

# Backup APIs

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# Backup [velero.io/v1]

## Description

Backup is a Velero resource that represents the capture of Kubernetes cluster state at a point in time (API objects and associated volume state).

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="#">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#kinds</a>

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	BackupSpec defines the specification for a Velero backup.
status	object	BackupStatus captures the current status of a Velero backup.

## .spec

### Description

BackupSpec defines the specification for a Velero backup.

### Type

object

Property	Type	Description
csiSnapshotTimeout	string	CSISnapshotTimeout specifies the time used to wait for CSI VolumeSnapshot status turns to ReadyToUse during creation, before returning error as timeout. The default value is 10 minutes.

Property	Type	Description
<code>datamover</code>	<code>string</code>	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
<code>defaultVolumesToFsWithBackup</code>	<code>boolean</code>	DefaultVolumesToFsWithBackup specifies whether pod volume file system backup should be used for all volumes by default.
<code>defaultVolumesToRestic</code>	<code>boolean</code>	DefaultVolumesToRestic specifies whether restic should be used to take backup of all pod volumes by default.  Deprecated: this field is no longer used and will be removed entirely in future. Use DefaultVolumesToFsWithBackup instead.
<code>excludedClusterScopedResources</code>	<code>array</code>	ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "*", all cluster-scoped resource types are excluded. The default value is empty.
<code>excludedNamespaceScopedResources</code>	<code>array</code>	ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from

Property	Type	Description
		the backup. If set to "*", all namespace scoped resource types are excluded. The default value is empty.
<code>excludedNamespaces</code>	<code>array</code>	ExcludedNamespaces contains a list namespaces that are not included in the backup.
<code>excludedResources</code>	<code>array</code>	ExcludedResources is a slice of resource names that are not included the backup.
<code>hooks</code>	<code>object</code>	Hooks represent custom behaviors that should be executed at different phase of the backup.
<code>includeClusterResources</code>	<code>boolean</code>	IncludeClusterResources specifies whether cluster-scoped resources should be included for consideration in the backup.

Property	Type	Description
<code>includedClusterScopedResources</code>	array	IncludedClusterScopedResources is slice of cluster-scoped resource type names to include in the backup. If set "*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are include
<code>includedNamespaceScopedResources</code>	array	IncludedNamespaceScopedResource is a slice of namespace-scoped resource type names to include in the backup. The default value is "*".
<code>includedNamespaces</code>	array	IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.
<code>includedResources</code>	array	IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.
<code>itemOperationTimeout</code>	string	ItemOperationTimeout specifies the time used to wait for asynchronous BackupItemAction operations The default value is 4 hour.

Property	Type	Description
<code>labelSelector</code>	<code>object</code>	<p>LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.</p>
<code>metadata</code>	<code>ObjectMeta</code>	<p>ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create</p>
<code>orLabelSelectors</code>	<code>array</code>	<p>OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator.</p> <p>LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.</p>
<code>orderedResources</code>	<code>object</code>	<p>OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".</p>

Property	Type	Description
<code>resourcePolicy</code>	<code>object</code>	ResourcePolicy specifies the referenced resource policies that backup should follow
<code>snapshotMoveData</code>	<code>boolean</code>	SnapshotMoveData specifies whether snapshot data should be moved
<code>snapshotVolumes</code>	<code>boolean</code>	SnapshotVolumes specifies whether take snapshots of any PV's reference in the set of objects included in the Backup.
<code>storageLocation</code>	<code>string</code>	StorageLocation is a string containing the name of a BackupStorageLocation where the backup should be stored.
<code>ttl</code>	<code>string</code>	TTL is a time.Duration-parseable string describing how long the Backup should be retained for.
<code>uploaderConfig</code>	<code>object</code>	UploaderConfig specifies the configuration for the uploader.
<code>volumeSnapshotLocations</code>	<code>array</code>	VolumeSnapshotLocations is a list containing names of

Property	Type	Description
		VolumeSnapshotLocations associate with this backup.

## `.spec.excludedClusterScopedResources`

### Description

ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "\*", all cluster-scoped resource types are excluded. The default value is empty.

### Type

array

## `.spec.excludedClusterScopedResources[]`

### Type

string

## `.spec.excludedNamespaceScopedResources`

### Description

ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from the backup. If set to "\*", all namespace-scoped resource types are excluded. The default value is empty.

### Type

array

## `.spec.excludedNamespaceScopedResources[]`

### Type

string

## **.spec.excludedNamespaces**

### **Description**

ExcludedNamespaces contains a list of namespaces that are not included in the backup.

### **Type**

array

## **.spec.excludedNamespaces[]**

### **Type**

string

## **.spec.excludedResources**

### **Description**

ExcludedResources is a slice of resource names that are not included in the backup.

### **Type**

array

## **.spec.excludedResources[]**

### **Type**

string

## **.spec.hooks**

### **Description**

Hooks represent custom behaviors that should be executed at different phases of the backup.

### **Type**

object

Property	Type	Description
resources	array	Resources are hooks that should be executed when backing up individual instances of a resource.

## .spec.hooks.resources

### Description

Resources are hooks that should be executed when backing up individual instances of a resource.

### Type

array

## .spec.hooks.resources[]

### Description

BackupResourceHookSpec defines one or more BackupResourceHooks that should be executed based on the rules defined for namespaces, resources, and label selector.

### Type

object

### Required

name

Property	Type	Description
excludedNamespaces	array	ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

Property	Type	Description
<code>excludedResources</code>	<code>array</code>	ExcludedResources specifies the resources to which this hook spec does not apply.
<code>includedNamespaces</code>	<code>array</code>	IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.
<code>includedResources</code>	<code>array</code>	IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.
<code>labelSelector</code>	<code>object</code>	LabelSelector, if specified, filters the resources to which this hook spec applies.
<code>name</code>	<code>string</code>	Name is the name of this hook.
<code>post</code>	<code>array</code>	PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.
<code>pre</code>	<code>array</code>	PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

## `.spec.hooks.resources[].excludedNamespaces`

### Description

ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

### Type

array

## `.spec.hooks.resources[].excludedNamespaces[]`

### Type

string

## `.spec.hooks.resources[].excludedResources`

### Description

ExcludedResources specifies the resources to which this hook spec does not apply.

### Type

array

## `.spec.hooks.resources[].excludedResources[]`

### Type

string

## `.spec.hooks.resources[].includedNamespaces`

### Description

IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

### Type

array

## `.spec.hooks.resources[].includedNamespaces[]`

### Type

`string`

## `.spec.hooks.resources[].includedResources`

### Description

IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.

### Type

`array`

## `.spec.hooks.resources[].includedResources[]`

### Type

`string`

## `.spec.hooks.resources[].labelSelector`

### Description

LabelSelector, if specified, filters the resources to which this hook spec applies.

### Type

`object`

Property	Type	Description
<code>matchExpressions</code>	<code>array</code>	matchExpressions is a list of label selector requirements. The requirements are ANDed.

Property	Type	Description
<code>matchLabels</code>	<code>object</code>	<code>matchLabels</code> is a map of {key,value} pairs. A single {key,value} in the <code>matchLabels</code> map is equivalent to an element of <code>matchExpressions</code> , whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.hooks.resources[].labelSelector.matchExpressions`

### Description

`matchExpressions` is a list of label selector requirements. The requirements are ANDed.

### Type

`array`

## `.spec.hooks.resources[].labelSelector.matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

`object`

### Required

`key`

`operator`

Property	Type	Description
<code>key</code>	<code>string</code>	<code>key</code> is the label key that the selector applies to.

Property	Type	Description
<code>operator</code>	<code>string</code>	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
<code>values</code>	<code>array</code>	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.hooks.resources[].labelSelector.matchExpressions[]`

### `.values`

#### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

#### Type

`array`

## `.spec.hooks.resources[].labelSelector.matchExpressions[]`

### `.values[]`

#### Type

`string`

## `.spec.hooks.resources[].labelSelector.matchLabels`

#### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## **.spec.hooks.resources[].post**

### Description

PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.

### Type

array

## **.spec.hooks.resources[].post[]**

### Description

BackupResourceHook defines a hook for a resource.

### Type

object

### Required

exec

Property	Type	Description
exec	object	Exec defines an exec hook.

## **.spec.hooks.resources[].post[].exec**

### Description

Exec defines an exec hook.

**Type**

object

**Required**

command

Property	Type	Description
command	array	Command is the command and arguments to execute.
container	string	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
onError	string	OnError specifies how Velero should behave if it encounters an error executing this hook.
timeout	string	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

**.spec.hooks.resources[].post[].exec.command****Description**

Command is the command and arguments to execute.

**Type**

array

**.spec.hooks.resources[].post[].exec.command[]**

**Type**

string

**.spec.hooks.resources[].pre****Description**

PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

**Type**

array

**.spec.hooks.resources[].pre[]****Description**

BackupResourceHook defines a hook for a resource.

**Type**

object

**Required**

exec

Property	Type	Description
exec	object	Exec defines an exec hook.

**.spec.hooks.resources[].pre[].exec****Description**

Exec defines an exec hook.

**Type**

object

## Required

command

Property	Type	Description
command	array	Command is the command and arguments to execute.
container	string	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
onError	string	OnError specifies how Velero should behave if it encounters an error executing this hook.
timeout	string	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

## `.spec.hooks.resources[].pre[].exec.command`

### Description

Command is the command and arguments to execute.

### Type

array

## `.spec.hooks.resources[].pre[].exec.command[]`

### Type

string

## **.spec.includedClusterScopedResources**

### **Description**

IncludedClusterScopedResources is a slice of cluster-scoped resource type names to include in the backup. If set to "\*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.

### **Type**

array

## **.spec.includedClusterScopedResources[]**

### **Type**

string

## **.spec.includedNamespaceScopedResources**

### **Description**

IncludedNamespaceScopedResources is a slice of namespace-scoped resource type names to include in the backup. The default value is "\*".

### **Type**

array

## **.spec.includedNamespaceScopedResources[]**

### **Type**

string

## **.spec.includedNamespaces**

### **Description**

IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

**Type**`array`**.spec.includedNamespaces[]****Type**`string`**.spec.includedResources****Description**

IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.

**Type**`array`**.spec.includedResources[]****Type**`string`**.spec.labelSelector****Description**

LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.

**Type**`object`

Property	Type	Description
<code>matchExpressions</code>	<code>array</code>	<code>matchExpressions</code> is a list of label selector requirements. The requirements are ANDed.
<code>matchLabels</code>	<code>object</code>	<code>matchLabels</code> is a map of {key,value} pairs. A single {key,value} in the <code>matchLabels</code> map is equivalent to an element of <code>matchExpressions</code> , whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.labelSelector.matchExpressions`

### Description

`matchExpressions` is a list of label selector requirements. The requirements are ANDed.

### Type

`array`

## `.spec.labelSelector.matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

`object`

### Required

`key`

`operator`

Property	Type	Description
<code>key</code>	<code>string</code>	key is the label key that the selector applies to.
<code>operator</code>	<code>string</code>	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
<code>values</code>	<code>array</code>	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.labelSelector.matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

`array`

## `.spec.labelSelector.matchExpressions[].values[]`

### Type

`string`

## `.spec.labelSelector.matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## Type

object

## .spec.orLabelSelectors

### Description

OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.

## Type

array

## .spec.orLabelSelectors[]

### Description

A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

## Type

object

Property	Type	Description
matchExpressions	array	matchExpressions is a list of label selector requirements. The requirements are ANDed.
matchLabels	object	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key",

Property	Type	Description
		the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.orLabelSelectors[].matchExpressions`

### Description

matchExpressions is a list of label selector requirements. The requirements are ANDed.

### Type

array

## `.spec.orLabelSelectors[].matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

object

### Required

key

operator

Property	Type	Description
key	string	key is the label key that the selector applies to.
operator	string	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.

Property	Type	Description
values	array	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## **.spec.orLabelSelectors[].matchExpressions[].values**

### **Description**

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### **Type**

array

## **.spec.orLabelSelectors[].matchExpressions[].values[]**

### **Type**

string

## **.spec.orLabelSelectors[].matchLabels**

### **Description**

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### **Type**

object

## **.spec.orderedResources**

## Description

OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".

## Type

object

## .spec.resourcePolicy

## Description

ResourcePolicy specifies the referenced resource policies that backup should follow

## Type

object

## Required

kind

name

Property	Type	Description
apiGroup	string	APIGroup is the group for the resource being referenced. If APIGroup is not specified, the specified Kind must be in the core API group. For any other third-party types, APIGroup is required.
kind	string	Kind is the type of resource being referenced
name	string	Name is the name of resource being referenced

## .spec.uploaderConfig

## Description

UploaderConfig specifies the configuration for the uploader.

## Type

object

Property	Type	Description
<code>parallelFilesUpload</code>	<code>integer</code>	ParallelFilesUpload is the number of files parallel uploads to perform when using the uploader.

## .spec.volumeSnapshotLocations

### Description

VolumeSnapshotLocations is a list containing names of VolumeSnapshotLocations associated with this backup.

### Type

array

## .spec.volumeSnapshotLocations[]

### Type

string

## .status

### Description

BackupStatus captures the current status of a Velero backup.

### Type

object

Property	Type	Description
<code>backupItemOperationsAttempted</code>	<code>integer</code>	<code>BackupItemOperationsAttempted</code> is the total number of attempted async <code>BackupItemAction</code> operations for this backup.
<code>backupItemOperationsCompleted</code>	<code>integer</code>	<code>BackupItemOperationsCompleted</code> is the total number of successfully completed async <code>BackupItemAction</code> operations for this backup.
<code>backupItemOperationsFailed</code>	<code>integer</code>	<code>BackupItemOperationsFailed</code> is the total number of async <code>BackupItemAction</code> operations for this backup which ended with an error.
<code>completionTimestamp</code>	<code>string</code>	<code>CompletionTimestamp</code> records the time a backup was completed. Completion time is recorded even on failed backups. Completion time is recorded before uploading the backup object. The server's time is used for <code>CompletionTimestamps</code>
<code>csiVolumeSnapshotsAttempted</code>	<code>integer</code>	<code>CSIVolumeSnapshotsAttempted</code> is the total number of attempted CSI <code>VolumeSnapshots</code> for this backup.

Property	Type	Description
<code>csiVolumeSnapshotsCompleted</code>	<code>integer</code>	CSIVolumeSnapshotsCompleted is the total number of successfully completed CSI VolumeSnapshots for this backup.
<code>errors</code>	<code>integer</code>	Errors is a count of all error messages that were generated during execution of the backup. The actual errors are in the backup's log file in object storage.
<code>expiration</code>	<code>string</code>	Expiration is when this Backup is eligible for garbage-collection.
<code>failureReason</code>	<code>string</code>	FailureReason is an error that caused the entire backup to fail.
<code>formatVersion</code>	<code>string</code>	FormatVersion is the backup format version, including major, minor, and patch version.
<code>hookStatus</code>	<code>object</code>	HookStatus contains information about the status of the hooks.
<code>phase</code>	<code>string</code>	Phase is the current state of the Backup.

Property	Type	Description
<code>progress</code>	<code>object</code>	Progress contains information about the backup's execution progress. Note that this information is best-effort only - if Velero fails to update it during a backup for any reason, it may be inaccurate/stale.
<code>startTimestamp</code>	<code>string</code>	StartTimestamp records the time a backup was started. Separate from CreationTimestamp, since that value changes on restores. The server's time is used for StartTimestamps
<code>validationErrors</code>	<code>array</code>	ValidationErrors is a slice of all validation errors (if applicable).
<code>version</code>	<code>integer</code>	Version is the backup format major version. Deprecated: Please see FormatVersion
<code>volumeSnapshotsAttempted</code>	<code>integer</code>	VolumeSnapshotsAttempted is the total number of attempted volume snapshots for this backup.

Property	Type	Description
<code>volumeSnapshotsCompleted</code>	<code>integer</code>	VolumeSnapshotsCompleted is the total number of successfully completed volume snapshots for this backup.
<code>warnings</code>	<code>integer</code>	Warnings is a count of all warning messages that were generated during execution of the backup. The actual warnings are in the backup's log file in object storage.

## `.status.hookStatus`

### Description

HookStatus contains information about the status of the hooks.

### Type

`object`

Property	Type	Description
<code>hooksAttempted</code>	<code>integer</code>	HooksAttempted is the total number of attempted hooks. Specifically, HooksAttempted represents the number of hooks that failed to execute and the number of hooks that executed successfully.
<code>hooksFailed</code>	<code>integer</code>	HooksFailed is the total number of hooks which ended with an error.

## .status.progress

### Description

Progress contains information about the backup's execution progress. Note that this information is best-effort only -- if Velero fails to update it during a backup for any reason, it may be inaccurate/stale.

### Type

object

Property	Type	Description
<code>itemsBackedUp</code>	<code>integer</code>	ItemsBackedUp is the number of items that have actually been written to the backup tarball so far.
<code>totalItems</code>	<code>integer</code>	TotalItems is the total number of items to be backed up. This number may change throughout the execution of the backup due to plugins that return additional related items to back up, the <code>velero.io/exclude-from-backup</code> label, and various other filters that happen as items are processed.

## .status.validationErrors

### Description

ValidationErrors is a slice of all validation errors (if applicable).

### Type

array

## .status.validationErrors[]

### Type

string

# API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/backups`
  - `DELETE` : delete collection of Backup
  - `GET` : list objects of kind Backup
  - `POST` : create a new Backup
- `/apis/velero.io/v1/namespaces/{namespace}/backups/{name}`
  - `DELETE` : delete the specified Backup
  - `GET` : read the specified Backup
  - `PATCH` : partially update the specified Backup
  - `PUT` : replace the specified Backup
- `/apis/velero.io/v1/namespaces/{namespace}/backups/{name}/status`
  - `GET` : read status of the specified Backup
  - `PATCH` : partially update status of the specified Backup
  - `PUT` : replace status of the specified Backup

## `/apis/velero.io/v1/namespaces/{namespace}/backups`

### HTTP method

`DELETE`

### Description

delete collection of Backup

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind Backup

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new Backup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	Backup schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	Backup schema
201 - Created	Backup schema
202 - Accepted	Backup schema
401 - Unauthorized	Empty

**/apis/velero.io/v1/namespaces/{namespace}/backups/{name}**

### HTTP method

DELETE

### Description

delete the specified Backup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified Backup

## HTTP responses

HTTP code	Response body
200 - OK	<code>Backup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified Backup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Backup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified Backup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>Backup</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>Backup</code> schema
201 - Created	<code>Backup</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/backups/{name}/status

## HTTP method

GET

## Description

read status of the specified Backup

## HTTP responses

HTTP code	Response body
200 - OK	<code>Backup</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified Backup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Backup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified Backup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	Backup schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	Backup schema
201 - Created	Backup schema
401 - Unauthorized	Empty

# BackupRepository [velero.io/v1]

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	<p>APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a></p>
<code>kind</code>	<code>string</code>	<p>Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a></p>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	BackupRepositorySpec is the specification for a BackupRepository.
<code>status</code>	<code>object</code>	BackupRepositoryStatus is the current status of a BackupRepository.

## .spec

### Description

BackupRepositorySpec is the specification for a BackupRepository.

### Type

`object`

### Required

`backupStorageLocation`

`maintenanceFrequency`

`resticIdentifier`

`volumeNamespace`

Property	Type	Description
<code>backupStorageLocation</code>	<code>string</code>	BackupStorageLocation is the name of the BackupStorageLocation that should contain this repository.

Property	Type	Description
<code>maintenanceFrequency</code>	<code>string</code>	MaintenanceFrequency is how often maintenance should be run.
<code>repositoryConfig</code>	<code>object</code>	RepositoryConfig is for repository-specific configuration fields.
<code>repositoryType</code>	<code>string</code>	RepositoryType indicates the type of the backend repository
<code>resticIdentifier</code>	<code>string</code>	ResticIdentifier is the full restic-compatible string for identifying this repository.
<code>volumeNamespace</code>	<code>string</code>	VolumeNamespace is the namespace this backup repository contains pod volume backups for.

## **.spec.repositoryConfig**

### **Description**

RepositoryConfig is for repository-specific configuration fields.

### **Type**

`object`

## **.status**

### **Description**

BackupRepositoryStatus is the current status of a BackupRepository.

## Type

object

Property	Type	Description
lastMaintenanceTime	string	LastMaintenanceTime is the last time maintenance was run.
message	string	Message is a message about the current status of the BackupRepository.
phase	string	Phase is the current state of the BackupRepository.

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/backuprepositories`
  - `DELETE` : delete collection of BackupRepository
  - `GET` : list objects of kind BackupRepository
  - `POST` : create a new BackupRepository
- `/apis/velero.io/v1/namespaces/{namespace}/backuprepositories/{name}`
  - `DELETE` : delete the specified BackupRepository
  - `GET` : read the specified BackupRepository
  - `PATCH` : partially update the specified BackupRepository
  - `PUT` : replace the specified BackupRepository

- `/apis/velero.io/v1/namespaces/{namespace}/backuprepositories/{name}/status`
  - `GET` : read status of the specified BackupRepository
  - `PATCH` : partially update status of the specified BackupRepository
  - `PUT` : replace status of the specified BackupRepository

## `/apis/velero.io/v1/namespaces/{namespace}/backuprepositories`

### HTTP method

`DELETE`

### Description

delete collection of BackupRepository

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

### Description

list objects of kind BackupRepository

### HTTP responses

HTTP code	Response body
200 - OK	<code>BackupRepositoryList</code> schema
401 - Unauthorized	Empty

### HTTP method

POST

## Description

create a new BackupRepository

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>BackupRepository</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupRepository</code> schema
201 - Created	<code>BackupRepository</code> schema
202 - Accepted	<code>BackupRepository</code> schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/backuprepositories/{name}

### HTTP method

DELETE

### Description

delete the specified BackupRepository

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

## Description

read the specified BackupRepository

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupRepository</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified BackupRepository

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a

Parameter	Type	Description
		BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupRepository</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified BackupRepository

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only

Parameter	Type	Description
		persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	BackupRepository schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	BackupRepository schema
201 - Created	BackupRepository schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/backuprepositories/{name}/status

### HTTP method

GET

### Description

read status of the specified BackupRepository

### HTTP responses

HTTP code	Response body
200 - OK	BackupRepository schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified BackupRepository

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupRepository</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified BackupRepository

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	BackupRepository schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	BackupRepository schema
201 - Created	BackupRepository schema
401 - Unauthorized	Empty

# BackupStorageLocation [velero.io/v1]

## Description

BackupStorageLocation is a location where Velero stores backup objects

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	<p>APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a></p>

Property	Type	Description
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	BackupStorageLocationSpec defines the desired state of a Velero BackupStorageLocation
<code>status</code>	<code>object</code>	BackupStorageLocationStatus defines the observed state of BackupStorageLocation

## .spec

### Description

BackupStorageLocationSpec defines the desired state of a Velero BackupStorageLocation

### Type

`object`

### Required

`objectStorage`

`provider`

Property	Type	Description
<code>accessMode</code>	<code>string</code>	AccessMode defines the permissions for the backup storage location.
<code>backupSyncPeriod</code>	<code>string</code>	BackupSyncPeriod defines how frequently to sync backup API objects from object storage. A value of 0 disables sync.
<code>config</code>	<code>object</code>	Config is for provider-specific configuration fields.
<code>credential</code>	<code>object</code>	Credential contains the credential information intended to be used with this location
<code>default</code>	<code>boolean</code>	Default indicates this location is the default backup storage location.
<code>objectStorage</code>	<code>object</code>	ObjectStorageLocation specifies the settings necessary to connect to a provider's object storage.
<code>provider</code>	<code>string</code>	Provider is the provider of the backup storage.

Property	Type	Description
<code>validationFrequency</code>	<code>string</code>	ValidationFrequency defines how frequently to validate the corresponding object storage. A value of 0 disables validation.

## .spec.config

### Description

Config is for provider-specific configuration fields.

### Type

`object`

## .spec.credential

### Description

Credential contains the credential information intended to be used with this location

### Type

`object`

### Required

`key`

Property	Type	Description
<code>key</code>	<code>string</code>	The key of the secret to select from. Must be a valid secret key.

Property	Type	Description
name	string	Name of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names">https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names</a> ↗ TODO: Add other useful fields. apiVersion, kind, uid?
optional	boolean	Specify whether the Secret or its key must be defined

## .spec.objectStorage

### Description

ObjectStorageLocation specifies the settings necessary to connect to a provider's object storage.

### Type

object

### Required

bucket

Property	Type	Description
bucket	string	Bucket is the bucket to use for object storage.
caCert	string	CACert defines a CA bundle to use when verifying TLS connections to the provider.

Property	Type	Description
<code>prefix</code>	<code>string</code>	Prefix is the path inside a bucket to use for Velero storage. Optional.

## .status

### Description

BackupStorageLocationStatus defines the observed state of BackupStorageLocation

### Type

`object`

Property	Type	Description
<code>accessMode</code>	<code>string</code>	AccessMode is an unused field.  Deprecated: there is now an AccessMode field on the Spec and this field will be removed entirely as of v2.0.
<code>lastSyncedRevision</code>	<code>string</code>	LastSyncedRevision is the value of the <code>metadata/revision</code> file in the backup storage location the last time the BSL's contents were synced into the cluster.  Deprecated: this field is no longer updated or used for detecting changes to the location's contents and will be removed entirely in v2.0.

Property	Type	Description
<code>lastSyncedTime</code>	<code>string</code>	LastSyncedTime is the last time the contents of the location were synced into the cluster.
<code>lastValidationTime</code>	<code>string</code>	LastValidationTime is the last time the backup store location was validated the cluster.
<code>message</code>	<code>string</code>	Message is a message about the backup storage location's status.
<code>phase</code>	<code>string</code>	Phase is the current state of the BackupStorageLocation.

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations`
  - `DELETE` : delete collection of BackupStorageLocation
  - `GET` : list objects of kind BackupStorageLocation
  - `POST` : create a new BackupStorageLocation
- `/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations/{name}`
  - `DELETE` : delete the specified BackupStorageLocation
  - `GET` : read the specified BackupStorageLocation
  - `PATCH` : partially update the specified BackupStorageLocation

- **PUT** : replace the specified BackupStorageLocation
- `/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations/{name}/status`
  - **GET** : read status of the specified BackupStorageLocation
  - **PATCH** : partially update status of the specified BackupStorageLocation
  - **PUT** : replace status of the specified BackupStorageLocation

## /apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations

### HTTP method

**DELETE**

### Description

delete collection of BackupStorageLocation

### HTTP responses

HTTP code	Response body
200 - OK	<b>Status</b> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind BackupStorageLocation

### HTTP responses

HTTP code	Response body
200 - OK	<b>BackupStorageLocationList</b> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new BackupStorageLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>BackupStorageLocation</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupStorageLocation</code> schema
201 - Created	<code>BackupStorageLocation</code> schema
202 - Accepted	<code>BackupStorageLocation</code> schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/backupstorageelocations/{name}

### HTTP method

DELETE

### Description

delete the specified BackupStorageLocation

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

## Description

read the specified BackupStorageLocation

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupStorageLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified BackupStorageLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a

Parameter	Type	Description
		BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupStorageLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified BackupStorageLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only

Parameter	Type	Description
		persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	BackupStorageLocation schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	BackupStorageLocation schema
201 - Created	BackupStorageLocation schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations/{name}/status

### HTTP method

GET

### Description

read status of the specified BackupStorageLocation

### HTTP responses

HTTP code	Response body
200 - OK	BackupStorageLocation schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified BackupStorageLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>BackupStorageLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified BackupStorageLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	BackupStorageLocation schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	BackupStorageLocation schema
201 - Created	BackupStorageLocation schema
401 - Unauthorized	Empty

# DataDownload [velero.io/v2alpha1]

## Description

DataDownload acts as the protocol between data mover plugins and data mover controller for the datamover restore operation

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a> ↗
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	DataDownloadSpec is the specification for a DataDownload.
status	object	DataDownloadStatus is the current status of a DataDownload.

## .spec

### Description

DataDownloadSpec is the specification for a DataDownload.

### Type

object

### Required

backupStorageLocation

operationTimeout

snapshotID

sourceNamespace

targetVolume

Property	Type	Description
<code>backupStorageLocation</code>	<code>string</code>	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.
<code>cancel</code>	<code>boolean</code>	Cancel indicates request to cancel the ongoing DataDownload. It can be set when the DataDownload is in InProgress phase
<code>dataMoverConfig</code>	<code>object</code>	DataMoverConfig is for data-mover-specific configuration fields.
<code>datamover</code>	<code>string</code>	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
<code>operationTimeout</code>	<code>string</code>	OperationTimeout specifies the time used to wait internal operations, before returning error as timeout.
<code>snapshotID</code>	<code>string</code>	SnapshotID is the ID of the Velero backup snapshot to be restored from.

Property	Type	Description
<code>sourceNamespace</code>	<code>string</code>	SourceNamespace is the original namespace where the volume is backed up from. It may be different from SourcePVC's namespace if namespace is remapped during restore.
<code>targetVolume</code>	<code>object</code>	TargetVolume is the information of the target PVC and PV.

## .spec.dataMoverConfig

### Description

DataMoverConfig is for data-mover-specific configuration fields.

### Type

`object`

## .spec.targetVolume

### Description

TargetVolume is the information of the target PVC and PV.

### Type

`object`

### Required

`namespace`

`pv`

`pvc`

Property	Type	Description
<code>namespace</code>	<code>string</code>	Namespace is the target namespace

Property	Type	Description
<code>pv</code>	<code>string</code>	PV is the name of the target PV that is created by Velero restore
<code>pvc</code>	<code>string</code>	PVC is the name of the target PVC that is created by Velero restore

## .status

### Description

DataDownloadStatus is the current status of a DataDownload.

### Type

`object`

Property	Type	Description
<code>completionTimestamp</code>	<code>string</code>	CompletionTimestamp records the time a restore was completed. Completion time is recorded even on failed restores. The server's time is used for CompletionTimestamps
<code>message</code>	<code>string</code>	Message is a message about the DataDownload's status.
<code>node</code>	<code>string</code>	Node is name of the node where the DataDownload is processed.

Property	Type	Description
<code>phase</code>	<code>string</code>	Phase is the current state of the DataDownload.
<code>progress</code>	<code>object</code>	Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore operation.
<code>startTimestamp</code>	<code>string</code>	StartTimestamp records the time a restore was started. The server's time is used for StartTimestamps

## .status.progress

### Description

Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore operation.

### Type

`object`

Property	Type	Description
<code>bytesDone</code>	<code>integer</code>	
<code>totalBytes</code>	<code>integer</code>	

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads`
  - `DELETE` : delete collection of DataDownload
  - `GET` : list objects of kind DataDownload
  - `POST` : create a new DataDownload
- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads/{name}`
  - `DELETE` : delete the specified DataDownload
  - `GET` : read the specified DataDownload
  - `PATCH` : partially update the specified DataDownload
  - `PUT` : replace the specified DataDownload
- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads/{name}/status`
  - `GET` : read status of the specified DataDownload
  - `PATCH` : partially update status of the specified DataDownload
  - `PUT` : replace status of the specified DataDownload

## `/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads`

### HTTP method

`DELETE`

### Description

delete collection of DataDownload

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind DataDownload

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataDownloadList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new DataDownload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default

Parameter	Type	Description
		in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	DataDownload schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	DataDownload schema
201 - Created	DataDownload schema
202 - Accepted	DataDownload schema
401 - Unauthorized	Empty

# /apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads/{name}

## HTTP method

DELETE

## Description

delete the specified DataDownload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified DataDownload

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataDownload</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified DataDownload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataDownload</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `DataDownload`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DataDownload</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataDownload</code> schema
201 - Created	<code>DataDownload</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v2alpha1/namespaces/{namespace}/datado wnloads/{name}/status

## HTTP method

GET

## Description

read status of the specified DataDownload

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataDownload</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified DataDownload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataDownload</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified DataDownload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	DataDownload schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	DataDownload schema
201 - Created	DataDownload schema
401 - Unauthorized	Empty

# DataUpload [velero.io/v2alpha1]

## Description

DataUpload acts as the protocol between data mover plugins and data mover controller for the datamover backup operation

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	DataUploadSpec is the specification for a DataUpload.
status	object	DataUploadStatus is the current status of a DataUpload.

## .spec

### Description

DataUploadSpec is the specification for a DataUpload.

### Type

object

### Required

backupStorageLocation

operationTimeout

snapshotType

sourceNamespace

sourcePVC

Property	Type	Description
backupStorageLocation	string	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.

Property	Type	Description
<code>cancel</code>	<code>boolean</code>	Cancel indicates request to cancel the ongoing DataUpload. It can be set when the DataUpload is in InProgress phase
<code>csiSnapshot</code>	<code>object</code>	If SnapshotType is CSI, CSISnapshot provides the information of the CSI snapshot.
<code>dataMoverConfig</code>	<code>object</code>	DataMoverConfig is for data-mover-specific configuration fields.
<code>datamover</code>	<code>string</code>	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
<code>operationTimeout</code>	<code>string</code>	OperationTimeout specifies the time used to wait internal operations, before returning error as timeout.
<code>snapshotType</code>	<code>string</code>	SnapshotType is the type of the snapshot to be backed up.
<code>sourceNamespace</code>	<code>string</code>	SourceNamespace is the original namespace where the volume is backed up from. It is the same namespace for SourcePVC and CSI namespaced objects.

Property	Type	Description
<code>sourcePVC</code>	<code>string</code>	SourcePVC is the name of the PVC which the snapshot is taken for.

## .spec.csiSnapshot

### Description

If SnapshotType is CSI, CSISnapshot provides the information of the CSI snapshot.

### Type

`object`

### Required

`storageClass`

`volumeSnapshot`

Property	Type	Description
<code>snapshotClass</code>	<code>string</code>	SnapshotClass is the name of the snapshot class that the volume snapshot is created with
<code>storageClass</code>	<code>string</code>	StorageClass is the name of the storage class of the PVC that the volume snapshot is created from
<code>volumeSnapshot</code>	<code>string</code>	VolumeSnapshot is the name of the volume snapshot to be backed up

## .spec.dataMoverConfig

### Description

DataMoverConfig is for data-mover-specific configuration fields.

## Type

object

## .status

## Description

DataUploadStatus is the current status of a DataUpload.

## Type

object

Property	Type	Description
<code>completionTimestamp</code>	<code>string</code>	CompletionTimestamp records the time a backup was completed. Completion time is recorded even on failed backups. Completion time is recorded before uploading the backup object. The server's time is used for CompletionTimestamps
<code>dataMoverResult</code>	<code>object</code>	DataMoverResult stores data-mover-specific information as a result of the DataUpload.
<code>message</code>	<code>string</code>	Message is a message about the DataUpload's status.
<code>node</code>	<code>string</code>	Node is name of the node where the DataUpload is processed.

Property	Type	Description
<code>path</code>	<code>string</code>	Path is the full path of the snapshot volume being backed up.
<code>phase</code>	<code>string</code>	Phase is the current state of the DataUpload.
<code>progress</code>	<code>object</code>	Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.
<code>snapshotID</code>	<code>string</code>	SnapshotID is the identifier for the snapshot in the backup repository.
<code>startTimestamp</code>	<code>string</code>	StartTimestamp records the time a backup was started. Separate from CreationTimestamp, since that value changes on restores. The server's time is used for StartTimestamps

## **.status.dataMoverResult**

### **Description**

DataMoverResult stores data-mover-specific information as a result of the DataUpload.

### **Type**

`object`

## **.status.progress**

## Description

Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.

## Type

object

Property	Type	Description
bytesDone	integer	
totalBytes	integer	

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads`
  - `DELETE` : delete collection of DataUpload
  - `GET` : list objects of kind DataUpload
  - `POST` : create a new DataUpload
- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads/{name}`
  - `DELETE` : delete the specified DataUpload
  - `GET` : read the specified DataUpload
  - `PATCH` : partially update the specified DataUpload
  - `PUT` : replace the specified DataUpload
- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads/{name}/status`
  - `GET` : read status of the specified DataUpload
  - `PATCH` : partially update status of the specified DataUpload
  - `PUT` : replace status of the specified DataUpload

# /apis/velero.io/v2alpha1/namespaces/{namespace}/dataup loads

## HTTP method

DELETE

## Description

delete collection of DataUpload

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind DataUpload

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">DataUploadList</a> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new DataUpload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DataUpload</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataUpload</code> schema
201 - Created	<code>DataUpload</code> schema
202 - Accepted	<code>DataUpload</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## /apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads/{name}

### HTTP method

DELETE

### Description

delete the specified DataUpload

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
202 - Accepted	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

read the specified DataUpload

### HTTP responses

HTTP code	Response body
200 - OK	<code>DataUpload</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified DataUpload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataUpload</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified DataUpload

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	DataUpload schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	DataUpload schema
201 - Created	DataUpload schema
401 - Unauthorized	Empty

## /apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads/{name}/status

### HTTP method

GET

### Description

read status of the specified DataUpload

### HTTP responses

HTTP code	Response body
200 - OK	DataUpload schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified DataUpload

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataUpload</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `DataUpload`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DataUpload</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DataUpload</code> schema
201 - Created	<code>DataUpload</code> schema
401 - Unauthorized	Empty



# DeleteBackupRequest [velero.io/v1]

## Description

DeleteBackupRequest is a request to delete one or more backups.

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	<p>APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a></p>

Property	Type	Description
kind	string	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	DeleteBackupRequestSpec is the specification for which backups to delete.
status	object	DeleteBackupRequestStatus is the current status of a DeleteBackupRequest.

## .spec

### Description

DeleteBackupRequestSpec is the specification for which backups to delete.

### Type

object

### Required

backupName

Property	Type	Description
<code>backupName</code>	<code>string</code>	

## **.status**

### **Description**

DeleteBackupRequestStatus is the current status of a DeleteBackupRequest.

### **Type**

`object`

Property	Type	Description
<code>errors</code>	<code>array</code>	Errors contains any errors that were encountered during the deletion process.
<code>phase</code>	<code>string</code>	Phase is the current state of the DeleteBackupRequest.

## **.status.errors**

### **Description**

Errors contains any errors that were encountered during the deletion process.

### **Type**

`array`

## **.status.errors[]**

### **Type**

`string`

# API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests`
  - `DELETE` : delete collection of DeleteBackupRequest
  - `GET` : list objects of kind DeleteBackupRequest
  - `POST` : create a new DeleteBackupRequest
- `/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests/{name}`
  - `DELETE` : delete the specified DeleteBackupRequest
  - `GET` : read the specified DeleteBackupRequest
  - `PATCH` : partially update the specified DeleteBackupRequest
  - `PUT` : replace the specified DeleteBackupRequest
- `/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests/{name}/status`
  - `GET` : read status of the specified DeleteBackupRequest
  - `PATCH` : partially update status of the specified DeleteBackupRequest
  - `PUT` : replace status of the specified DeleteBackupRequest

## `/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests`

### HTTP method

`DELETE`

### Description

delete collection of DeleteBackupRequest

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind DeleteBackupRequest

## HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequestList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new DeleteBackupRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	DeleteBackupRequest schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	DeleteBackupRequest schema
201 - Created	DeleteBackupRequest schema
202 - Accepted	DeleteBackupRequest schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests/{name}

### HTTP method

DELETE

## Description

delete the specified DeleteBackupRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified DeleteBackupRequest

## HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified DeleteBackupRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified DeleteBackupRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DeleteBackupRequest</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequest</code> schema

HTTP code	Response body
201 - Created	<code>DeleteBackupRequest</code> schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests/{name}/status

### HTTP method

GET

### Description

read status of the specified DeleteBackupRequest

### HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequest</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified DeleteBackupRequest

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified DeleteBackupRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing

Parameter	Type	Description
		of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DeleteBackupRequest</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DeleteBackupRequest</code> schema
201 - Created	<code>DeleteBackupRequest</code> schema
401 - Unauthorized	Empty

# DownloadRequest [velero.io/v1]

## Description

DownloadRequest is a request to download an artifact from backup object storage, such as a backup log file.

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a> ↗
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	DownloadRequestSpec is the specification for a download request.
status	object	DownloadRequestStatus is the current status of a DownloadRequest.

## .spec

### Description

DownloadRequestSpec is the specification for a download request.

### Type

object

### Required

target

Property	Type	Description
target	object	Target is what to download (e.g. logs for a backup).

## .spec.target

## Description

Target is what to download (e.g. logs for a backup).

## Type

object

## Required

kind

name

Property	Type	Description
kind	string	Kind is the type of file to download.
name	string	Name is the name of the Kubernetes resource with which the file is associated.

## .status

### Description

DownloadRequestStatus is the current status of a DownloadRequest.

### Type

object

Property	Type	Description
downloadURL	string	DownloadURL contains the pre-signed URL for the target file.
expiration	string	Expiration is when this DownloadRequest expires and can be deleted by the system.

Property	Type	Description
phase	string	Phase is the current state of the DownloadRequest.

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/downloadrequests`
  - `DELETE` : delete collection of DownloadRequest
  - `GET` : list objects of kind DownloadRequest
  - `POST` : create a new DownloadRequest
- `/apis/velero.io/v1/namespaces/{namespace}/downloadrequests/{name}`
  - `DELETE` : delete the specified DownloadRequest
  - `GET` : read the specified DownloadRequest
  - `PATCH` : partially update the specified DownloadRequest
  - `PUT` : replace the specified DownloadRequest
- `/apis/velero.io/v1/namespaces/{namespace}/downloadrequests/{name}/status`
  - `GET` : read status of the specified DownloadRequest
  - `PATCH` : partially update status of the specified DownloadRequest
  - `PUT` : replace status of the specified DownloadRequest

## `/apis/velero.io/v1/namespaces/{namespace}/downloadrequests`

HTTP method

`DELETE`

## Description

delete collection of DownloadRequest

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind DownloadRequest

## HTTP responses

HTTP code	Response body
200 - OK	<code>DownloadRequestList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new DownloadRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DownloadRequest</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DownloadRequest</code> schema
201 - Created	<code>DownloadRequest</code> schema
202 - Accepted	<code>DownloadRequest</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/downloadrequests/{name}

## HTTP method

DELETE

## Description

delete the specified DownloadRequest

## Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	Status schema
202 - Accepted	Status schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified DownloadRequest

## HTTP responses

HTTP code	Response body
200 - OK	DownloadRequest schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified DownloadRequest

## Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
fieldValidation	string	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DownloadRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified DownloadRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	DownloadRequest schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	DownloadRequest schema
201 - Created	DownloadRequest schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/downloadrequests/{name}/status

### HTTP method

GET

### Description

read status of the specified DownloadRequest

### HTTP responses

HTTP code	Response body
200 - OK	DownloadRequest schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified DownloadRequest

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>DownloadRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `DownloadRequest`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>DownloadRequest</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>DownloadRequest</code> schema
201 - Created	<code>DownloadRequest</code> schema
401 - Unauthorized	Empty



# PodVolumeBackup [velero.io/v1]

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	<p>APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a></p>
<code>kind</code>	<code>string</code>	<p>Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a></p>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	PodVolumeBackupSpec is the specification for a PodVolumeBackup.
<code>status</code>	<code>object</code>	PodVolumeBackupStatus is the current status of a PodVolumeBackup.

## .spec

### Description

PodVolumeBackupSpec is the specification for a PodVolumeBackup.

### Type

`object`

### Required

`backupStorageLocation`

`node`

`pod`

`repoIdentifier`

`volume`

Property	Type	Description
<code>backupStorageLocation</code>	<code>string</code>	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.

Property	Type	Description
node	string	Node is the name of the node that the Pod is running on.
pod	object	Pod is a reference to the pod containing the volume to be backed up.
repoIdentifier	string	RepoIdentifier is the backup repository identifier.
tags	object	Tags are a map of key-value pairs that should be applied to the volume backup as tags.
uploaderSettings	object	UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.
uploaderType	string	UploaderType is the type of the uploader to handle the data transfer.
volume	string	Volume is the name of the volume within the Pod to be backed up.

## .spec.pod

### Description

Pod is a reference to the pod containing the volume to be backed up.

## Type

object

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent.
<code>fieldPath</code>	<code>string</code>	<p>If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as <code>desiredState.manifest.containers[2]</code>. For example, if the object reference is to a container within a pod, this would take on a value like: <code>"spec.containers{name}"</code> (where "name" refers to the name of the container that triggered the event) or if no container name is specified <code>"spec.containers[2]"</code> (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future.</p>
<code>kind</code>	<code>string</code>	<p>Kind of the referent. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a></p>
<code>name</code>	<code>string</code>	<p>Name of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names">https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names</a></p>

Property	Type	Description
namespace	string	Namespace of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/">https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/</a> ↗
resourceVersion	string	Specific resourceVersion to which this reference is made, if any. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency</a> ↗
uid	string	UID of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids">https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids</a> ↗

## .spec.tags

### Description

Tags are a map of key-value pairs that should be applied to the volume backup as tags.

### Type

object

## .spec.uploaderSettings

### Description

UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.

### Type

`object`

## .status

### Description

PodVolumeBackupStatus is the current status of a PodVolumeBackup.

### Type

`object`

Property	Type	Description
<code>completionTimestamp</code>	<code>string</code>	CompletionTimestamp records the time a backup was completed. Completion time is recorded even on failed backups. Completion time is recorded before uploading the backup object. The server's time is used for CompletionTimestamps
<code>message</code>	<code>string</code>	Message is a message about the pod volume backup's status.
<code>path</code>	<code>string</code>	Path is the full path within the controller pod being backed up.
<code>phase</code>	<code>string</code>	Phase is the current state of the PodVolumeBackup.

Property	Type	Description
<code>progress</code>	<code>object</code>	Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.
<code>snapshotID</code>	<code>string</code>	SnapshotID is the identifier for the snapshot of the pod volume.
<code>startTimestamp</code>	<code>string</code>	StartTimestamp records the time a backup was started. Separate from CreationTimestamp, since that value changes on restores. The server's time is used for StartTimestamps

## **.status.progress**

### **Description**

Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.

### **Type**

`object`

Property	Type	Description
<code>bytesDone</code>	<code>integer</code>	
<code>totalBytes</code>	<code>integer</code>	

## **API Endpoints**

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups`
  - `DELETE` : delete collection of PodVolumeBackup
  - `GET` : list objects of kind PodVolumeBackup
  - `POST` : create a new PodVolumeBackup
- `/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups/{name}`
  - `DELETE` : delete the specified PodVolumeBackup
  - `GET` : read the specified PodVolumeBackup
  - `PATCH` : partially update the specified PodVolumeBackup
  - `PUT` : replace the specified PodVolumeBackup
- `/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups/{name}/status`
  - `GET` : read status of the specified PodVolumeBackup
  - `PATCH` : partially update status of the specified PodVolumeBackup
  - `PUT` : replace status of the specified PodVolumeBackup

## `/apis/velero.io/v1/namespaces/{namespace}/podvolumeba` `ckups`

### HTTP method

`DELETE`

### Description

delete collection of PodVolumeBackup

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind PodVolumeBackup

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeBackupList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new PodVolumeBackup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default

Parameter	Type	Description
		in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	PodVolumeBackup schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	PodVolumeBackup schema
201 - Created	PodVolumeBackup schema
202 - Accepted	PodVolumeBackup schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/podvolumebackups/{name}

## HTTP method

DELETE

## Description

delete the specified PodVolumeBackup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified PodVolumeBackup

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeBackup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified PodVolumeBackup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeBackup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `PodVolumeBackup`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>PodVolumeBackup</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeBackup</code> schema
201 - Created	<code>PodVolumeBackup</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/podvolumeba ckups/{name}/status

## HTTP method

GET

## Description

read status of the specified PodVolumeBackup

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeBackup</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified PodVolumeBackup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeBackup</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified PodVolumeBackup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	PodVolumeBackup schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	PodVolumeBackup schema
201 - Created	PodVolumeBackup schema
401 - Unauthorized	Empty

# PodVolumeRestore [velero.io/v1]

## Type

`object`

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	PodVolumeRestoreSpec is the specification for a PodVolumeRestore.
<code>status</code>	<code>object</code>	PodVolumeRestoreStatus is the current status of a PodVolumeRestore.

## .spec

### Description

PodVolumeRestoreSpec is the specification for a PodVolumeRestore.

### Type

`object`

### Required

`backupStorageLocation`

`pod`

`repoIdentifier`

`snapshotID`

`sourceNamespace`

`volume`

Property	Type	Description
<code>backupStorageLocation</code>	<code>string</code>	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.

Property	Type	Description
<code>pod</code>	<code>object</code>	Pod is a reference to the pod containing the volume to be restored.
<code>repoIdentifier</code>	<code>string</code>	RepoIdentifier is the backup repository identifier.
<code>snapshotID</code>	<code>string</code>	SnapshotID is the ID of the volume snapshot to be restored.
<code>sourceNamespace</code>	<code>string</code>	SourceNamespace is the original namespace for namespace mapping.
<code>uploaderSettings</code>	<code>object</code>	UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.
<code>uploaderType</code>	<code>string</code>	UploaderType is the type of the uploader to handle the data transfer.
<code>volume</code>	<code>string</code>	Volume is the name of the volume within the Pod to be restored.

## `.spec.pod`

### Description

Pod is a reference to the pod containing the volume to be restored.

## Type

object

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent.
<code>fieldPath</code>	<code>string</code>	<p>If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as <code>desiredState.manifest.containers[2]</code>. For example, if the object reference is to a container within a pod, this would take on a value like: <code>"spec.containers{name}"</code> (where "name" refers to the name of the container that triggered the event) or if no container name is specified <code>"spec.containers[2]"</code> (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future.</p>
<code>kind</code>	<code>string</code>	<p>Kind of the referent. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a></p>
<code>name</code>	<code>string</code>	<p>Name of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names">https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names</a></p>

Property	Type	Description
<code>namespace</code>	<code>string</code>	Namespace of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/">https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/</a> ↗
<code>resourceVersion</code>	<code>string</code>	Specific resourceVersion to which this reference is made, if any. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency</a> ↗
<code>uid</code>	<code>string</code>	UID of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids">https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids</a> ↗

## `.spec.uploaderSettings`

### Description

UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.

### Type

`object`

## `.status`

### Description

PodVolumeRestoreStatus is the current status of a PodVolumeRestore.

### Type

object

Property	Type	Description
completionTimestamp	string	CompletionTimestamp records the time a restore was completed. Completion time is recorded even on failed restores. The server's time is used for CompletionTimestamps
message	string	Message is a message about the pod volume restore's status.
phase	string	Phase is the current state of the PodVolumeRestore.
progress	object	Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore operation.
startTimeStamp	string	StartTimeStamp records the time a restore was started. The server's time is used for StartTimeStamps

## .status.progress

### Description

Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore

operation.

## Type

object

Property	Type	Description
bytesDone	integer	
totalBytes	integer	

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores`
  - `DELETE` : delete collection of PodVolumeRestore
  - `GET` : list objects of kind PodVolumeRestore
  - `POST` : create a new PodVolumeRestore
- `/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores/{name}`
  - `DELETE` : delete the specified PodVolumeRestore
  - `GET` : read the specified PodVolumeRestore
  - `PATCH` : partially update the specified PodVolumeRestore
  - `PUT` : replace the specified PodVolumeRestore
- `/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores/{name}/status`
  - `GET` : read status of the specified PodVolumeRestore
  - `PATCH` : partially update status of the specified PodVolumeRestore
  - `PUT` : replace status of the specified PodVolumeRestore

# /apis/velero.io/v1/namespaces/{namespace}/podvolumere stores

## HTTP method

DELETE

## Description

delete collection of PodVolumeRestore

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind PodVolumeRestore

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">PodVolumeRestoreList</a> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new PodVolumeRestore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>PodVolumeRestore</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeRestore</code> schema
201 - Created	<code>PodVolumeRestore</code> schema
202 - Accepted	<code>PodVolumeRestore</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/podvolumere stores/{name}

### HTTP method

DELETE

### Description

delete the specified PodVolumeRestore

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
202 - Accepted	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

read the specified PodVolumeRestore

### HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeRestore</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified PodVolumeRestore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeRestore</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified PodVolumeRestore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	PodVolumeRestore schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	PodVolumeRestore schema
201 - Created	PodVolumeRestore schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/podvolumere stores/{name}/status

### HTTP method

GET

### Description

read status of the specified PodVolumeRestore

### HTTP responses

HTTP code	Response body
200 - OK	PodVolumeRestore schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified PodVolumeRestore

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeRestore</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `PodVolumeRestore`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>PodVolumeRestore</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>PodVolumeRestore</code> schema
201 - Created	<code>PodVolumeRestore</code> schema
401 - Unauthorized	Empty



# Restore [velero.io/v1]

## Description

Restore is a Velero resource that represents the application of resources from a Velero backup to a target Kubernetes cluster.

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a> ↗
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	RestoreSpec defines the specification for a Velero restore.
<code>status</code>	<code>object</code>	RestoreStatus captures the current status of a Velero restore

## .spec

### Description

RestoreSpec defines the specification for a Velero restore.

### Type

`object`

Property	Type	Description
<code>backupName</code>	<code>string</code>	BackupName is the unique name of the Velero backup to restore from.

Property	Type	Description
<code>excludedNamespaces</code>	<code>array</code>	ExcludedNamespaces contains a list of namespaces that are not included in the restore.
<code>excludedResources</code>	<code>array</code>	ExcludedResources is a slice of resource names that are not included in the restore.
<code>existingResourcePolicy</code>	<code>string</code>	ExistingResourcePolicy specifies the restore behavior for the Kubernetes resource to be restored
<code>hooks</code>	<code>object</code>	Hooks represent custom behaviors that should be executed during or post restore.
<code>includeClusterResources</code>	<code>boolean</code>	IncludeClusterResources specifies whether cluster-scoped resources should be included for consideration in the restore. If null, defaults to true.
<code>includedNamespaces</code>	<code>array</code>	IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

Property	Type	Description
<code>includedResources</code>	<code>array</code>	IncludedResources is a slice of resource names to include in the restore. If empty, all resources in the backup are included.
<code>itemOperationTimeout</code>	<code>string</code>	ItemOperationTimeout specifies the time used to wait for RestoreItemAction operations The default value is 4 hour.
<code>labelSelector</code>	<code>object</code>	LabelSelector is a metav1.LabelSelector to filter with when restoring individual objects from the backup. If empty or nil, all objects are included. Optional.
<code>namespaceMapping</code>	<code>object</code>	NamespaceMapping is a map of source namespace names to target namespace names to restore into. Any source namespaces not included in the map will be restored into namespaces of the same name.
<code>orLabelSelectors</code>	<code>array</code>	OrLabelSelectors is list of metav1.LabelSelector to filter with when restoring individual objects from the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in restore request, only one of them can be used

Property	Type	Description
<code>preserveNodePorts</code>	<code>boolean</code>	PreserveNodePorts specifies whether to restore old nodePorts from backup.
<code>resourceModifier</code>	<code>object</code>	ResourceModifier specifies the reference to JSON resource patches that should be applied to resources before restoration.
<code>restorePVs</code>	<code>boolean</code>	RestorePVs specifies whether to restore all included PVs from snapshot
<code>restoreStatus</code>	<code>object</code>	RestoreStatus specifies which resources we should restore the status field. If nil, no objects are included. Optional.
<code>scheduleName</code>	<code>string</code>	ScheduleName is the unique name of the Velero schedule to restore from. If specified, and BackupName is empty, Velero will restore from the most recent successful backup created from this schedule.
<code>uploaderConfig</code>	<code>object</code>	UploaderConfig specifies the configuration for the restore.

## `.spec.excludedNamespaces`

### Description

ExcludedNamespaces contains a list of namespaces that are not included in the restore.

**Type**

array

**.spec.excludedNamespaces[]****Type**

string

**.spec.excludedResources****Description**

ExcludedResources is a slice of resource names that are not included in the restore.

**Type**

array

**.spec.excludedResources[]****Type**

string

**.spec.hooks****Description**

Hooks represent custom behaviors that should be executed during or post restore.

**Type**

object

Property	Type	Description
resources	array	

## .spec.hooks.resources

### Type

array

## .spec.hooks.resources[]

### Description

RestoreResourceHookSpec defines one or more RestoreResourceHooks that should be executed based on the rules defined for namespaces, resources, and label selector.

### Type

object

### Required

name

Property	Type	Description
<code>excludedNamespaces</code>	array	ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.
<code>excludedResources</code>	array	ExcludedResources specifies the resources to which this hook spec does not apply.
<code>includedNamespaces</code>	array	IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

Property	Type	Description
<code>includedResources</code>	<code>array</code>	IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.
<code>labelSelector</code>	<code>object</code>	LabelSelector, if specified, filters the resources to which this hook spec applies.
<code>name</code>	<code>string</code>	Name is the name of this hook.
<code>postHooks</code>	<code>array</code>	PostHooks is a list of RestoreResourceHooks to execute during and after restoring a resource.

## `.spec.hooks.resources[].excludedNamespaces`

### Description

ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

### Type

`array`

## `.spec.hooks.resources[].excludedNamespaces[]`

### Type

`string`

## `.spec.hooks.resources[].excludedResources`

### Description

ExcludedResources specifies the resources to which this hook spec does not apply.

### Type

array

## **.spec.hooks.resources[].excludedResources[]**

### Type

string

## **.spec.hooks.resources[].includedNamespaces**

### Description

IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

### Type

array

## **.spec.hooks.resources[].includedNamespaces[]**

### Type

string

## **.spec.hooks.resources[].includedResources**

### Description

IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.

### Type

array

## **.spec.hooks.resources[].includedResources[]**

## Type

string

## `.spec.hooks.resources[].labelSelector`

### Description

LabelSelector, if specified, filters the resources to which this hook spec applies.

## Type

object

Property	Type	Description
<code>matchExpressions</code>	array	matchExpressions is a list of label selector requirements. The requirements are ANDed.
<code>matchLabels</code>	object	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.hooks.resources[].labelSelector.matchExpressions`

### Description

matchExpressions is a list of label selector requirements. The requirements are ANDed.

## Type

array

## `.spec.hooks.resources[].labelSelector.matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

## Type

object

## Required

key

operator

Property	Type	Description
key	string	key is the label key that the selector applies to.
operator	string	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
values	array	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.hooks.resources[].labelSelector.matchExpressions[]`

### `.values`

#### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

#### Type

array

## `.spec.hooks.resources[].labelSelector.matchExpressions[].values[]`

### Type

string

## `.spec.hooks.resources[].labelSelector.matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## `.spec.hooks.resources[].postHooks`

### Description

PostHooks is a list of RestoreResourceHooks to execute during and after restoring a resource.

### Type

array

## `.spec.hooks.resources[].postHooks[]`

### Description

RestoreResourceHook defines a restore hook for a resource.

### Type

object

Property	Type	Description
<code>exec</code>	<code>object</code>	Exec defines an exec restore hook.
<code>init</code>	<code>object</code>	Init defines an init restore hook.

## `.spec.hooks.resources[].postHooks[].exec`

### Description

Exec defines an exec restore hook.

### Type

`object`

### Required

`command`

Property	Type	Description
<code>command</code>	<code>array</code>	Command is the command and arguments to execute from within a container after a pod has been restored.
<code>container</code>	<code>string</code>	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
<code>execTimeout</code>	<code>string</code>	ExecTimeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

Property	Type	Description
<code>onError</code>	<code>string</code>	OnError specifies how Velero should behave if it encounters an error executing this hook.
<code>waitForReady</code>	<code>boolean</code>	WaitForReady ensures command will be launched when container is Ready instead of Running.
<code>waitTimeout</code>	<code>string</code>	WaitTimeout defines the maximum amount of time Velero should wait for the container to be Ready before attempting to run the command.

## `.spec.hooks.resources[].postHooks[].exec.command`

### Description

Command is the command and arguments to execute from within a container after a pod has been restored.

### Type

`array`

## `.spec.hooks.resources[].postHooks[].exec.command[]`

### Type

`string`

## `.spec.hooks.resources[].postHooks[].init`

### Description

Init defines an init restore hook.

**Type**

object

Property	Type	Description
<code>initContainers</code>	array	InitContainers is list of init containers to be added to a pod during its restore.
<code>timeout</code>	string	Timeout defines the maximum amount of time Velero should wait for the initContainers to complete.

**`.spec.hooks.resources[].postHooks[].init.initContainers`****Description**

InitContainers is list of init containers to be added to a pod during its restore.

**Type**

array

**`.spec.hooks.resources[].postHooks[].init.initContainers[]`****Type**

object

**`.spec.includedNamespaces`****Description**

IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

**Type**

array

## .spec.includedNamespaces[]

### Type

string

## .spec.includedResources

### Description

IncludedResources is a slice of resource names to include in the restore. If empty, all resources in the backup are included.

### Type

array

## .spec.includedResources[]

### Type

string

## .spec.labelSelector

### Description

LabelSelector is a metav1.LabelSelector to filter with when restoring individual objects from the backup. If empty or nil, all objects are included. Optional.

### Type

object

Property	Type	Description
<code>matchExpressions</code>	array	matchExpressions is a list of label selector requirements. The requirements are ANDed.

Property	Type	Description
<code>matchLabels</code>	<code>object</code>	<code>matchLabels</code> is a map of {key,value} pairs. A single {key,value} in the <code>matchLabels</code> map is equivalent to an element of <code>matchExpressions</code> , whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.labelSelector.matchExpressions`

### Description

`matchExpressions` is a list of label selector requirements. The requirements are ANDed.

### Type

`array`

## `.spec.labelSelector.matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

`object`

### Required

`key`

`operator`

Property	Type	Description
<code>key</code>	<code>string</code>	<code>key</code> is the label key that the selector applies to.

Property	Type	Description
<code>operator</code>	<code>string</code>	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
<code>values</code>	<code>array</code>	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.labelSelector.matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

`array`

## `.spec.labelSelector.matchExpressions[].values[]`

### Type

`string`

## `.spec.labelSelector.matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

`object`

## **.spec.namespaceMapping**

### **Description**

NamespaceMapping is a map of source namespace names to target namespace names to restore into. Any source namespaces not included in the map will be restored into namespaces of the same name.

### **Type**

`object`

## **.spec.orLabelSelectors**

### **Description**

OrLabelSelectors is list of metav1.LabelSelector to filter with when restoring individual objects from the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in restore request, only one of them can be used

### **Type**

`array`

## **.spec.orLabelSelectors[]**

### **Description**

A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

### **Type**

`object`

Property	Type	Description
<code>matchExpressions</code>	<code>array</code>	<code>matchExpressions</code> is a list of label selector requirements. The requirements are ANDed.
<code>matchLabels</code>	<code>object</code>	<code>matchLabels</code> is a map of {key,value} pairs. A single {key,value} in the <code>matchLabels</code> map is equivalent to an element of <code>matchExpressions</code> , whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.orLabelSelectors[].matchExpressions`

### Description

`matchExpressions` is a list of label selector requirements. The requirements are ANDed.

### Type

`array`

## `.spec.orLabelSelectors[].matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

`object`

### Required

`key` `operator`

Property	Type	Description
<code>key</code>	<code>string</code>	key is the label key that the selector applies to.
<code>operator</code>	<code>string</code>	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
<code>values</code>	<code>array</code>	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.orLabelSelectors[].matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

`array`

## `.spec.orLabelSelectors[].matchExpressions[].values[]`

### Type

`string`

## `.spec.orLabelSelectors[].matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## .spec.resourceModifier

### Description

ResourceModifier specifies the reference to JSON resource patches that should be applied to resources before restoration.

### Type

object

### Required

kind

name

Property	Type	Description
apiGroup	string	APIGroup is the group for the resource being referenced. If APIGroup is not specified, the specified Kind must be in the core API group. For any other third-party types, APIGroup is required.
kind	string	Kind is the type of resource being referenced
name	string	Name is the name of resource being referenced

## .spec.restoreStatus

### Description

RestoreStatus specifies which resources we should restore the status field. If nil, no objects are included. Optional.

## Type

object

Property	Type	Description
<code>excludedResources</code>	array	ExcludedResources specifies the resources to which will not restore the status.
<code>includedResources</code>	array	IncludedResources specifies the resources to which will restore the status. If empty, it applies to all resources.

## `.spec.restoreStatus.excludedResources`

### Description

ExcludedResources specifies the resources to which will not restore the status.

### Type

array

## `.spec.restoreStatus.excludedResources[]`

### Type

string

## `.spec.restoreStatus.includedResources`

### Description

IncludedResources specifies the resources to which will restore the status. If empty, it applies to all resources.

## Type

array

## .spec.restoreStatus.includedResources[]

## Type

string

## .spec.uploaderConfig

## Description

UploaderConfig specifies the configuration for the restore.

## Type

object

Property	Type	Description
<code>parallelFilesDownload</code>	<code>integer</code>	ParallelFilesDownload is the concurrency number setting for restore.
<code>writeSparseFiles</code>	<code>boolean</code>	WriteSparseFiles is a flag to indicate whether write files sparsely or not.

## .status

## Description

RestoreStatus captures the current status of a Velero restore

## Type

object

Property	Type	Description
<code>completionTimestamp</code>	<code>string</code>	CompletionTimestamp records the time the restore operation was completed. Completion time is recorded even on failed restore. The server's time is used for StartTimestamps
<code>errors</code>	<code>integer</code>	Errors is a count of all error messages that were generated during execution of the restore. The actual errors are stored in object storage.
<code>failureReason</code>	<code>string</code>	FailureReason is an error that caused the entire restore to fail.
<code>hookStatus</code>	<code>object</code>	HookStatus contains information about the status of the hooks.
<code>phase</code>	<code>string</code>	Phase is the current state of the Restore
<code>progress</code>	<code>object</code>	Progress contains information about the restore's execution progress. Note that this information is best-effort only -- if Velero fails to update it

Property	Type	Description
		during a restore for any reason, it may be inaccurate/stale.
<code>restoreItemOperationsAttempted</code>	<code>integer</code>	<code>RestoreItemOperationsAttempted</code> is the total number of attempted async <code>RestoreItemAction</code> operations for this restore.
<code>restoreItemOperationsCompleted</code>	<code>integer</code>	<code>RestoreItemOperationsCompleted</code> is the total number of successfully completed async <code>RestoreItemAction</code> operations for this restore.
<code>restoreItemOperationsFailed</code>	<code>integer</code>	<code>RestoreItemOperationsFailed</code> is the total number of async <code>RestoreItemAction</code> operations for this restore which ended with an error.
<code>startTimestamp</code>	<code>string</code>	<code>StartTimestamp</code> records the time the restore operation was started. The server's time is used for <code>StartTimestamps</code>
<code>validationErrors</code>	<code>array</code>	<code>ValidationErrors</code> is a slice of all validation errors (if applicable)

Property	Type	Description
<code>warnings</code>	<code>integer</code>	Warnings is a count of all warning messages that were generated during execution of the restore. The actual warnings are stored in object storage.

## `.status.hookStatus`

### Description

HookStatus contains information about the status of the hooks.

### Type

`object`

Property	Type	Description
<code>hooksAttempted</code>	<code>integer</code>	HooksAttempted is the total number of attempted hooks. Specifically, HooksAttempted represents the number of hooks that failed to execute and the number of hooks that executed successfully.
<code>hooksFailed</code>	<code>integer</code>	HooksFailed is the total number of hooks which ended with an error.

## `.status.progress`

### Description

Progress contains information about the restore's execution progress. Note that this information is best-effort only -- if Velero fails to update it during a restore for any reason, it

may be inaccurate/stale.

## Type

object

Property	Type	Description
<code>itemsRestored</code>	<code>integer</code>	ItemsRestored is the number of items that have actually been restored so far
<code>totalItems</code>	<code>integer</code>	TotalItems is the total number of items to be restored. This number may change throughout the execution of the restore due to plugins that return additional related items to restore

## `.status.validationErrors`

### Description

ValidationErrors is a slice of all validation errors (if applicable)

### Type

array

## `.status.validationErrors[]`

### Type

string

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/restores`
  - `DELETE` : delete collection of Restore
  - `GET` : list objects of kind Restore
  - `POST` : create a new Restore
- `/apis/velero.io/v1/namespaces/{namespace}/restores/{name}`
  - `DELETE` : delete the specified Restore
  - `GET` : read the specified Restore
  - `PATCH` : partially update the specified Restore
  - `PUT` : replace the specified Restore
- `/apis/velero.io/v1/namespaces/{namespace}/restores/{name}/status`
  - `GET` : read status of the specified Restore
  - `PATCH` : partially update status of the specified Restore
  - `PUT` : replace status of the specified Restore

## `/apis/velero.io/v1/namespaces/{namespace}/restores`

### HTTP method

`DELETE`

### Description

delete collection of Restore

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

## Description

list objects of kind Restore

## HTTP responses

HTTP code	Response body
200 - OK	<code>RestoreList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new Restore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are

Parameter	Type	Description
		present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>Restore</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>Restore</code> schema
201 - Created	<code>Restore</code> schema
202 - Accepted	<code>Restore</code> schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/restores/{name}

### HTTP method

DELETE

### Description

delete the specified Restore

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result

Parameter	Type	Description
		in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified Restore

## HTTP responses

HTTP code	Response body
200 - OK	<code>Restore</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified Restore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive

Parameter	Type	Description
		will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Restore</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified Restore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>Restore</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>Restore</code> schema
201 - Created	<code>Restore</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/restores/{name}/status

## HTTP method

GET

## Description

read status of the specified Restore

## HTTP responses

HTTP code	Response body
200 - OK	<code>Restore</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified Restore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Restore</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified Restore

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	Restore schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	Restore schema
201 - Created	Restore schema
401 - Unauthorized	Empty

# Schedule [velero.io/v1]

## Description

Schedule is a Velero resource that represents a pre-scheduled or periodic Backup that should be run.

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="#">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a> ↗
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	ScheduleSpec defines the specification for a Velero schedule
status	object	ScheduleStatus captures the current state of a Velero schedule

## .spec

### Description

ScheduleSpec defines the specification for a Velero schedule

### Type

object

### Required

schedule

template

Property	Type	Description
paused	boolean	Paused specifies whether the schedule is paused or not

Property	Type	Description
<code>schedule</code>	<code>string</code>	Schedule is a Cron expression defining when to run the Backup.
<code>skipImmediately</code>	<code>boolean</code>	<code>SkipImmediately</code> specifies whether to skip backup if schedule is due immediately from <code>schedule.status.lastBackup</code> timestamp when schedule is unpaused or if schedule is new. If true, backup will be skipped immediately when schedule is unpaused if it is due based on <code>.Status.LastBackupTimestamp</code> or schedule is new, and will run at next schedule time. If false, backup will not be skipped immediately when schedule is unpaused, but will run at next schedule time. If empty, will follow server configuration (default: false).
<code>template</code>	<code>object</code>	Template is the definition of the Backup to be run on the provided schedule
<code>useOwnerReferencesInBackup</code>	<code>boolean</code>	<code>UseOwnerReferencesBackup</code> specifies whether to use <code>OwnerReferences</code> on backups created by this Schedule.

## .spec.template

### Description

Template is the definition of the Backup to be run on the provided schedule

## Type

object

Property	Type	Description
<code>csiSnapshotTimeout</code>	<code>string</code>	<code>CSISnapshotTimeout</code> specifies the time used to wait for CSI VolumeSnapshot status turns to <code>ReadyToUse</code> during creation, before returning error as timeout. The default value is 10 minutes.
<code>datamover</code>	<code>string</code>	<code>DataMover</code> specifies the data mover to be used by the backup. If <code>DataMover</code> is <code>""</code> or <code>"velero"</code> , the built-in data mover will be used.
<code>defaultVolumesToFsBackup</code>	<code>boolean</code>	<code>DefaultVolumesToFsBackup</code> specifies whether pod volume file system backup should be used for all volumes by default.
<code>defaultVolumesToRestic</code>	<code>boolean</code>	<code>DefaultVolumesToRestic</code> specifies whether restic should be used to take backup of all pod volumes by default.  Deprecated: this field is no longer used and will be removed entirely in future. Use <code>DefaultVolumesToFsBackup</code> instead.

Property	Type	Description
<code>excludedClusterScopedResources</code>	array	ExcludedClusterScopedResources is slice of cluster-scoped resource type names to exclude from the backup. If set to "*", all cluster-scoped resource types are excluded. The default value empty.
<code>excludedNamespaceScopedResources</code>	array	ExcludedNamespaceScopedResource is a slice of namespace-scoped resource type names to exclude from the backup. If set to "*", all namespace-scoped resource types are excluded. The default value is empty.
<code>excludedNamespaces</code>	array	ExcludedNamespaces contains a list namespaces that are not included in the backup.
<code>excludedResources</code>	array	ExcludedResources is a slice of resource names that are not included the backup.
<code>hooks</code>	object	Hooks represent custom behaviors that should be executed at different phases of the backup.

Property	Type	Description
<code>includeClusterResources</code>	<code>boolean</code>	<code>IncludeClusterResources</code> specifies whether cluster-scoped resources should be included for consideration in the backup.
<code>includedClusterScopedResources</code>	<code>array</code>	<code>IncludedClusterScopedResources</code> is a slice of cluster-scoped resource type names to include in the backup. If set to "*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.
<code>includedNamespaceScopedResources</code>	<code>array</code>	<code>IncludedNamespaceScopedResources</code> is a slice of namespace-scoped resource type names to include in the backup. The default value is "*".
<code>includedNamespaces</code>	<code>array</code>	<code>IncludedNamespaces</code> is a slice of namespace names to include objects from. If empty, all namespaces are included.
<code>includedResources</code>	<code>array</code>	<code>IncludedResources</code> is a slice of resource names to include in the backup. If empty, all resources are included.

Property	Type	Description
<code>itemOperationTimeout</code>	<code>string</code>	<code>ItemOperationTimeout</code> specifies the time used to wait for asynchronous <code>BackupItemAction</code> operations. The default value is 4 hour.
<code>labelSelector</code>	<code>object</code>	<code>LabelSelector</code> is a <code>metav1.LabelSelector</code> to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.
<code>metadata</code>	<code>ObjectMeta</code>	<code>ObjectMeta</code> is metadata that all persisted resources must have, which includes all objects users must create
<code>orLabelSelectors</code>	<code>array</code>	<code>OrLabelSelectors</code> is list of <code>metav1.LabelSelector</code> to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. <code>LabelSelector</code> as well as <code>OrLabelSelectors</code> cannot co-exist in backup request, only one of them can be used.
<code>orderedResources</code>	<code>object</code>	<code>OrderedResources</code> specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object

Property	Type	Description
		names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".
<code>resourcePolicy</code>	<code>object</code>	ResourcePolicy specifies the referenced resource policies that backup should follow
<code>snapshotMoveData</code>	<code>boolean</code>	SnapshotMoveData specifies whether snapshot data should be moved
<code>snapshotVolumes</code>	<code>boolean</code>	SnapshotVolumes specifies whether take snapshots of any PV's reference in the set of objects included in the Backup.
<code>storageLocation</code>	<code>string</code>	StorageLocation is a string containing the name of a BackupStorageLocation where the backup should be stored.
<code>ttl</code>	<code>string</code>	TTL is a time.Duration-parseable string describing how long the Backup should be retained for.

Property	Type	Description
<code>uploaderConfig</code>	<code>object</code>	UploaderConfig specifies the configuration for the uploader.
<code>volumeSnapshotLocations</code>	<code>array</code>	VolumeSnapshotLocations is a list containing names of VolumeSnapshotLocations associated with this backup.

## `.spec.template.excludedClusterScopedResources`

### Description

ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "\*", all cluster-scoped resource types are excluded. The default value is empty.

### Type

`array`

## `.spec.template.excludedClusterScopedResources[]`

### Type

`string`

## `.spec.template.excludedNamespaceScopedResources`

### Description

ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from the backup. If set to "\*", all namespace-scoped resource types are excluded. The default value is empty.

### Type

`array`

## `.spec.template.excludedNamespaceScopedResources[]`

### Type

`string`

## `.spec.template.excludedNamespaces`

### Description

ExcludedNamespaces contains a list of namespaces that are not included in the backup.

### Type

`array`

## `.spec.template.excludedNamespaces[]`

### Type

`string`

## `.spec.template.excludedResources`

### Description

ExcludedResources is a slice of resource names that are not included in the backup.

### Type

`array`

## `.spec.template.excludedResources[]`

### Type

`string`

## .spec.template.hooks

### Description

Hooks represent custom behaviors that should be executed at different phases of the backup.

### Type

object

Property	Type	Description
resources	array	Resources are hooks that should be executed when backing up individual instances of a resource.

## .spec.template.hooks.resources

### Description

Resources are hooks that should be executed when backing up individual instances of a resource.

### Type

array

## .spec.template.hooks.resources[]

### Description

BackupResourceHookSpec defines one or more BackupResourceHooks that should be executed based on the rules defined for namespaces, resources, and label selector.

### Type

object

### Required

name

Property	Type	Description
<code>excludedNamespaces</code>	<code>array</code>	ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.
<code>excludedResources</code>	<code>array</code>	ExcludedResources specifies the resources to which this hook spec does not apply.
<code>includedNamespaces</code>	<code>array</code>	IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.
<code>includedResources</code>	<code>array</code>	IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.
<code>labelSelector</code>	<code>object</code>	LabelSelector, if specified, filters the resources to which this hook spec applies.
<code>name</code>	<code>string</code>	Name is the name of this hook.
<code>post</code>	<code>array</code>	PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.

Property	Type	Description
<code>pre</code>	<code>array</code>	PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

## `.spec.template.hooks.resources[].excludedNamespaces`

### Description

ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

### Type

`array`

## `.spec.template.hooks.resources[].excludedNamespaces[]`

### Type

`string`

## `.spec.template.hooks.resources[].excludedResources`

### Description

ExcludedResources specifies the resources to which this hook spec does not apply.

### Type

`array`

## `.spec.template.hooks.resources[].excludedResources[]`

### Type

`string`

## `.spec.template.hooks.resources[].includedNamespaces`

### Description

IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

### Type

array

## `.spec.template.hooks.resources[].includedNamespaces[]`

### Type

string

## `.spec.template.hooks.resources[].includedResources`

### Description

IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.

### Type

array

## `.spec.template.hooks.resources[].includedResources[]`

### Type

string

## `.spec.template.hooks.resources[].labelSelector`

### Description

LabelSelector, if specified, filters the resources to which this hook spec applies.

### Type

object

Property	Type	Description
<code>matchExpressions</code>	<code>array</code>	<code>matchExpressions</code> is a list of label selector requirements. The requirements are ANDed.
<code>matchLabels</code>	<code>object</code>	<code>matchLabels</code> is a map of {key,value} pairs. A single {key,value} in the <code>matchLabels</code> map is equivalent to an element of <code>matchExpressions</code> , whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.template.hooks.resources[].labelSelector.matchExpressions`

### Description

`matchExpressions` is a list of label selector requirements. The requirements are ANDed.

### Type

`array`

## `.spec.template.hooks.resources[].labelSelector.matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

`object`

### Required

`key` `operator`

Property	Type	Description
key	string	key is the label key that the selector applies to.
operator	string	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
values	array	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.template.hooks.resources[].labelSelector.matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

array

## `.spec.template.hooks.resources[].labelSelector.matchExpressions[].values[]`

### Type

string

## `.spec.template.hooks.resources[].labelSelector.matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## `.spec.template.hooks.resources[].post`

### Description

PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.

### Type

array

## `.spec.template.hooks.resources[].post[]`

### Description

BackupResourceHook defines a hook for a resource.

### Type

object

### Required

exec

Property	Type	Description
exec	object	Exec defines an exec hook.

## `.spec.template.hooks.resources[].post[].exec`

### Description

Exec defines an exec hook.

### Type

object

### Required

command

Property	Type	Description
<code>command</code>	<code>array</code>	Command is the command and arguments to execute.
<code>container</code>	<code>string</code>	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
<code>onError</code>	<code>string</code>	OnError specifies how Velero should behave if it encounters an error executing this hook.
<code>timeout</code>	<code>string</code>	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

## `.spec.template.hooks.resources[].post[].exec.command`

### Description

Command is the command and arguments to execute.

### Type

array

## `.spec.template.hooks.resources[].post[].exec.command[]`

### Type

string

## `.spec.template.hooks.resources[].pre`

### Description

PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

### Type

array

## `.spec.template.hooks.resources[].pre[]`

### Description

BackupResourceHook defines a hook for a resource.

### Type

object

### Required

exec

Property	Type	Description
exec	object	Exec defines an exec hook.

## `.spec.template.hooks.resources[].pre[].exec`

### Description

Exec defines an exec hook.

## Type

object

## Required

command

Property	Type	Description
command	array	Command is the command and arguments to execute.
container	string	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
onError	string	OnError specifies how Velero should behave if it encounters an error executing this hook.
timeout	string	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

## `.spec.template.hooks.resources[].pre[].exec.command`

### Description

Command is the command and arguments to execute.

### Type

array

## `.spec.template.hooks.resources[].pre[].exec.command[]`

### Type

string

## `.spec.template.includedClusterScopedResources`

### Description

IncludedClusterScopedResources is a slice of cluster-scoped resource type names to include in the backup. If set to "\*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.

### Type

array

## `.spec.template.includedClusterScopedResources[]`

### Type

string

## `.spec.template.includedNamespaceScopedResources`

### Description

IncludedNamespaceScopedResources is a slice of namespace-scoped resource type names to include in the backup. The default value is "\*".

### Type

array

## `.spec.template.includedNamespaceScopedResources[]`

### Type

string

## **.spec.template.includedNamespaces**

### **Description**

IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

### **Type**

array

## **.spec.template.includedNamespaces[]**

### **Type**

string

## **.spec.template.includedResources**

### **Description**

IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.

### **Type**

array

## **.spec.template.includedResources[]**

### **Type**

string

## **.spec.template.labelSelector**

### **Description**

LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.

### **Type**

object

Property	Type	Description
matchExpressions	array	matchExpressions is a list of label selector requirements. The requirements are ANDed.
matchLabels	object	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## .spec.template.labelSelector.matchExpressions

### Description

matchExpressions is a list of label selector requirements. The requirements are ANDed.

### Type

array

## .spec.template.labelSelector.matchExpressions[]

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

object

### Required

key

operator

Property	Type	Description
<code>key</code>	<code>string</code>	key is the label key that the selector applies to.
<code>operator</code>	<code>string</code>	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
<code>values</code>	<code>array</code>	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.template.labelSelector.matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

`array`

## `.spec.template.labelSelector.matchExpressions[].values[]`

### Type

`string`

## `.spec.template.labelSelector.matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## Type

object

## .spec.template.orLabelSelectors

### Description

OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.

## Type

array

## .spec.template.orLabelSelectors[]

### Description

A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

## Type

object

Property	Type	Description
matchExpressions	array	matchExpressions is a list of label selector requirements. The requirements are ANDed.
matchLabels	object	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key",

Property	Type	Description
		the operator is "In", and the values array contains only "value". The requirements are ANDed.

## `.spec.template.orLabelSelectors[].matchExpressions`

### Description

matchExpressions is a list of label selector requirements. The requirements are ANDed.

### Type

array

## `.spec.template.orLabelSelectors[].matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

object

### Required

key

operator

Property	Type	Description
key	string	key is the label key that the selector applies to.
operator	string	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.

Property	Type	Description
values	array	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.template.orLabelSelectors[].matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

array

## `.spec.template.orLabelSelectors[].matchExpressions[].values[]`

### Type

string

## `.spec.template.orLabelSelectors[].matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## .spec.template.orderedResources

### Description

OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".

### Type

object

## .spec.template.resourcePolicy

### Description

ResourcePolicy specifies the referenced resource policies that backup should follow

### Type

object

### Required

kind name

Property	Type	Description
apiGroup	string	APIGroup is the group for the resource being referenced. If APIGroup is not specified, the specified Kind must be in the core API group. For any other third-party types, APIGroup is required.
kind	string	Kind is the type of resource being referenced
name	string	Name is the name of resource being referenced

## .spec.template.uploaderConfig

### Description

UploaderConfig specifies the configuration for the uploader.

### Type

object

Property	Type	Description
<code>parallelFilesUpload</code>	<code>integer</code>	ParallelFilesUpload is the number of files parallel uploads to perform when using the uploader.

## .spec.template.volumeSnapshotLocations

### Description

VolumeSnapshotLocations is a list containing names of VolumeSnapshotLocations associated with this backup.

### Type

array

## .spec.template.volumeSnapshotLocations[]

### Type

string

## .status

### Description

ScheduleStatus captures the current state of a Velero schedule

### Type

object

Property	Type	Description
<code>lastBackup</code>	<code>string</code>	LastBackup is the last time a Backup was run for this Schedule schedule
<code>lastSkipped</code>	<code>string</code>	LastSkipped is the last time a Schedule was skipped
<code>phase</code>	<code>string</code>	Phase is the current phase of the Schedule
<code>validationErrors</code>	<code>array</code>	ValidationErrors is a slice of all validation errors (if applicable)

## `.status.validationErrors`

### Description

ValidationErrors is a slice of all validation errors (if applicable)

### Type

`array`

## `.status.validationErrors[]`

### Type

`string`

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/schedules`
  - `DELETE` : delete collection of Schedule
  - `GET` : list objects of kind Schedule
  - `POST` : create a new Schedule
- `/apis/velero.io/v1/namespaces/{namespace}/schedules/{name}`
  - `DELETE` : delete the specified Schedule
  - `GET` : read the specified Schedule
  - `PATCH` : partially update the specified Schedule
  - `PUT` : replace the specified Schedule
- `/apis/velero.io/v1/namespaces/{namespace}/schedules/{name}/status`
  - `GET` : read status of the specified Schedule
  - `PATCH` : partially update status of the specified Schedule
  - `PUT` : replace status of the specified Schedule

## `/apis/velero.io/v1/namespaces/{namespace}/schedules`

### HTTP method

`DELETE`

### Description

delete collection of Schedule

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

## Description

list objects of kind Schedule

## HTTP responses

HTTP code	Response body
200 - OK	<code>ScheduleList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new Schedule

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are

Parameter	Type	Description
		present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	Schedule schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	Schedule schema
201 - Created	Schedule schema
202 - Accepted	Schedule schema
401 - Unauthorized	Empty

## /apis/velero.io/v1/namespaces/{namespace}/schedules/{name}

### HTTP method

DELETE

### Description

delete the specified Schedule

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result

Parameter	Type	Description
		in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified Schedule

## HTTP responses

HTTP code	Response body
200 - OK	<code>Schedule</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified Schedule

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive

Parameter	Type	Description
		will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Schedule</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified Schedule

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>Schedule</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>Schedule</code> schema
201 - Created	<code>Schedule</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/schedules/{name}/status

## HTTP method

GET

## Description

read status of the specified Schedule

## HTTP responses

HTTP code	Response body
200 - OK	<code>Schedule</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified Schedule

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Schedule</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified Schedule

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	Schedule schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	Schedule schema
201 - Created	Schedule schema
401 - Unauthorized	Empty

# ServerStatusRequest [velero.io/v1]

## Description

ServerStatusRequest is a request to access current status information about the Velero server.

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="#">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
		<a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a> ↗
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	ServerStatusRequestSpec is the specification for a ServerStatusRequest.
<code>status</code>	<code>object</code>	ServerStatusRequestStatus is the current status of a ServerStatusRequest.

## `.spec`

### Description

ServerStatusRequestSpec is the specification for a ServerStatusRequest.

### Type

`object`

## `.status`

### Description

ServerStatusRequestStatus is the current status of a ServerStatusRequest.

### Type

`object`

Property	Type	Description
<code>phase</code>	<code>string</code>	Phase is the current lifecycle phase of the ServerStatusRequest.
<code>plugins</code>	<code>array</code>	Plugins list information about the plugins running on the Velero server
<code>processedTimestamp</code>	<code>string</code>	ProcessedTimestamp is when the ServerStatusRequest was processed by the ServerStatusRequestController.
<code>serverVersion</code>	<code>string</code>	ServerVersion is the Velero server version.

## `.status.plugins`

### Description

Plugins list information about the plugins running on the Velero server

### Type

`array`

## `.status.plugins[]`

### Description

PluginInfo contains attributes of a Velero plugin

### Type

`object`

### Required

kind name

Property	Type	Description
kind	string	
name	string	

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests`
  - **DELETE** : delete collection of ServerStatusRequest
  - **GET** : list objects of kind ServerStatusRequest
  - **POST** : create a new ServerStatusRequest
- `/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests/{name}`
  - **DELETE** : delete the specified ServerStatusRequest
  - **GET** : read the specified ServerStatusRequest
  - **PATCH** : partially update the specified ServerStatusRequest
  - **PUT** : replace the specified ServerStatusRequest
- `/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests/{name}/status`
  - **GET** : read status of the specified ServerStatusRequest
  - **PATCH** : partially update status of the specified ServerStatusRequest
  - **PUT** : replace status of the specified ServerStatusRequest

## `/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests`

## HTTP method

DELETE

## Description

delete collection of ServerStatusRequest

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind ServerStatusRequest

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServerStatusRequestList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new ServerStatusRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing

Parameter	Type	Description
		of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ServerStatusRequest</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServerStatusRequest</code> schema
201 - Created	<code>ServerStatusRequest</code> schema
202 - Accepted	<code>ServerStatusRequest</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests/{name}

## HTTP method

DELETE

## Description

delete the specified ServerStatusRequest

## Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	Status schema
202 - Accepted	Status schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified ServerStatusRequest

## HTTP responses

HTTP code	Response body
200 - OK	ServerStatusRequest schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ServerStatusRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServerStatusRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified ServerStatusRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	ServerStatusRequest schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	ServerStatusRequest schema
201 - Created	ServerStatusRequest schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests/{name}/status

## HTTP method

GET

## Description

read status of the specified ServerStatusRequest

## HTTP responses

HTTP code	Response body
200 - OK	ServerStatusRequest schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified ServerStatusRequest

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServerStatusRequest</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `ServerStatusRequest`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ServerStatusRequest</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServerStatusRequest</code> schema
201 - Created	<code>ServerStatusRequest</code> schema
401 - Unauthorized	Empty



# VolumeSnapshotLocation [velero.io/v1]

## Description

VolumeSnapshotLocation is a location where Velero stores volume snapshots.

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>

Property	Type	Description
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>
<code>metadata</code>	<code>ObjectMeta</code>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	VolumeSnapshotLocationSpec defines the specification for a Velero VolumeSnapshotLocation.
<code>status</code>	<code>object</code>	VolumeSnapshotLocationStatus describes the current status of a Velero VolumeSnapshotLocation.

## .spec

### Description

VolumeSnapshotLocationSpec defines the specification for a Velero VolumeSnapshotLocation.

### Type

`object`

### Required

`provider`

Property	Type	Description
<code>config</code>	<code>object</code>	Config is for provider-specific configuration fields.
<code>credential</code>	<code>object</code>	Credential contains the credential information intended to be used with this location
<code>provider</code>	<code>string</code>	Provider is the provider of the volume storage.

## **.spec.config**

### **Description**

Config is for provider-specific configuration fields.

### **Type**

`object`

## **.spec.credential**

### **Description**

Credential contains the credential information intended to be used with this location

### **Type**

`object`

### **Required**

`key`

Property	Type	Description
<code>key</code>	<code>string</code>	The key of the secret to select from. Must be a valid secret key.
<code>name</code>	<code>string</code>	Name of the referent. More info: <a href="https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names">https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names</a> <sup>↗</sup> TODO: Add other useful fields. apiVersion, kind, uid?
<code>optional</code>	<code>boolean</code>	Specify whether the Secret or its key must be defined

## .status

### Description

VolumeSnapshotLocationStatus describes the current status of a Velero VolumeSnapshotLocation.

### Type

`object`

Property	Type	Description
<code>phase</code>	<code>string</code>	VolumeSnapshotLocationPhase is the lifecycle phase of a Velero VolumeSnapshotLocation.

## API Endpoints

The following API endpoints are available:

- `/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations`
  - `DELETE` : delete collection of VolumeSnapshotLocation
  - `GET` : list objects of kind VolumeSnapshotLocation
  - `POST` : create a new VolumeSnapshotLocation
- `/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations/{name}`
  - `DELETE` : delete the specified VolumeSnapshotLocation
  - `GET` : read the specified VolumeSnapshotLocation
  - `PATCH` : partially update the specified VolumeSnapshotLocation
  - `PUT` : replace the specified VolumeSnapshotLocation
- `/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations/{name}/status`
  - `GET` : read status of the specified VolumeSnapshotLocation
  - `PATCH` : partially update status of the specified VolumeSnapshotLocation
  - `PUT` : replace status of the specified VolumeSnapshotLocation

## `/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotslocations`

### HTTP method

`DELETE`

### Description

delete collection of VolumeSnapshotLocation

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind VolumeSnapshotLocation

## HTTP responses

HTTP code	Response body
200 - OK	<code>VolumeSnapshotLocationList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new VolumeSnapshotLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default

Parameter	Type	Description
		in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	VolumeSnapshotLocation schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	VolumeSnapshotLocation schema
201 - Created	VolumeSnapshotLocation schema
202 - Accepted	VolumeSnapshotLocation schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/volumesnapshots/{name}

## HTTP method

DELETE

## Description

delete the specified VolumeSnapshotLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified VolumeSnapshotLocation

## HTTP responses

HTTP code	Response body
200 - OK	<code>VolumeSnapshotLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified VolumeSnapshotLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>VolumeSnapshotLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `VolumeSnapshotLocation`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>VolumeSnapshotLocation</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>VolumeSnapshotLocation</code> schema
201 - Created	<code>VolumeSnapshotLocation</code> schema
401 - Unauthorized	Empty

# /apis/velero.io/v1/namespaces/{namespace}/volumesnaphotlocations/{name}/status

## HTTP method

GET

## Description

read status of the specified VolumeSnapshotLocation

## HTTP responses

HTTP code	Response body
200 - OK	<code>VolumeSnapshotLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified VolumeSnapshotLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>VolumeSnapshotLocation</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified VolumeSnapshotLocation

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	VolumeSnapshotLocation schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	VolumeSnapshotLocation schema
201 - Created	VolumeSnapshotLocation schema
401 - Unauthorized	Empty