Web Console

Overview

The Alauda Container Platform web console provides a graphical user interface to visualize your project data and perform administrative, management, and troubleshooting tasks. The web console is designed to enhance user experience by organizing platform functionality into distinct perspectives that cater to different user roles and workflows.

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Browser Compatibility

The web console is tested and verified with the following modern browsers:

ACP Version	Chrome	Firefox
4.2	141	144
4.1	138	140
4.0	131	134

DANGER

IE 11 and earlier versions are not supported.

For the best experience, use a browser version that meets or exceeds the tested versions listed above.

While the web console primarily supports browsers based on the Chromium engine (Blink rendering engine), Firefox is also tested and supported as it is a mainstream browser.

If you encounter any display or functionality issues when using other browsers, please contact the technical support team.

Navigating the Web Console

Portal Page

Upon logging into the web console, you are directed to the Portal page by default. The Portal page displays all available view cards supported by the web console. These cards serve as entry points to different functional areas of the platform.

View Switching

You can switch between different views using the view switcher located in the upper-left corner of the web console. This allows for seamless navigation between different functional contexts within the platform.

Primary Views

The Alauda Container Platform web console offers several key views, each tailored to specific user roles and tasks:

Container Platform View

The Container Platform view is designed for Developers. In this view, Developers can manage resources within their Projects, such as:

- Application workloads
- Storage volumes
- Configurations
- Service bindings
- Routes and networking resources

Platform Management View

The Platform Management view is oriented toward Administrators. This view allows Administrators to:

- Create or import clusters
- Install and manage Operators
- Configure platform-wide settings
- Monitor system health and metrics
- Manage platform security

Project Management View

The Project Management view focuses on Project-level administration, enabling users to:

- Create and configure Projects
- Manage Project quotas and resource limits
- Administer Project members and role bindings
- Configure Project-level policies

Overview Pages

Each view typically includes an Overview page that provides a summary of relevant information. For example, the Platform Management Overview page displays platform-wide data, including:

- Total number of Projects
- Cluster status and health
- Resource utilization metrics
- Recent events and alerts
- Platform health indicators

These Overview pages offer at-a-glance insights into the status and performance of your containerized infrastructure, helping users quickly assess system health and identify areas requiring attention.

Accessing the Web Console

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Introduction

The Alauda Container Platform web console provides a centralized graphical interface for managing containerized applications and infrastructure. This document outlines the methods for accessing the web console and navigating between its different views.

Prerequisites

Before accessing the web console, ensure you have:

- A supported web browser (Chrome, Firefox, Safari, or Edge)
- Network connectivity to the platform's web console endpoint
- Valid authentication credentials for the platform

Accessing the Web Console

URL Access

The web console can be accessed through its URL, which is typically in the following format:

```
https://<console-route-hostname>
```

Contact your system administrator to obtain the specific URL for your Alauda Container Platform installation.

Authentication

Upon accessing the web console URL, you will be presented with a login page. Enter your credentials and select your authentication method if multiple methods are configured.

The platform supports various authentication providers, which may include:

- Local authentication
- LDAP/Active Directory
- OpenID Connect
- OAuth providers

After successful authentication, you will be directed to the Portal page.

Navigating the Web Console

Portal Page

The Portal page serves as the entry point to the web console, displaying cards for all available views. Each card represents a different functional area of the platform.

View Switching

To switch between views:

1. Locate the view switcher in the upper-left corner of the console
2. Click on the view switcher to view available views
3. Select your desired view from the dropdown menu

User Interface Elements

The web console interface includes several key elements:

- **Main navigation menu**: Located on the left side, provides access to view-specific resources
- **View switcher**: Located in the upper-left corner, allows switching between views
- **User menu**: Located in the upper-right corner, provides access to user settings and logout
- **Help menu**: Provides access to documentation and support resources

Customizing the Web Console

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Introduction

The Alauda Container Platform web console can be customized to reflect your organization's branding and preferences. This document describes the various customization options available to administrators.

User Preferences

Theme and Language Settings

Individual users can customize their web console experience through the user menu located in the upper-right corner of the console.

To change theme and language settings:

1. Click on your username in the upper-right corner
2. Select "User Preferences" from the dropdown menu
3. Navigate to the "Theme" or "Language" section
4. Choose your preferred settings
5. Click "Save" to apply changes

Note: If your preferred language is not available in the language selector, you may need to install the corresponding language plugin. Contact your platform administrator for assistance with installing additional language plugins.

Administrator Customizations

The following customizations require administrator privileges and can be accessed through the Platform Management view.

Customizing the Login Page

To customize the login page:

1. Navigate to the Platform Management view
2. Select "System Settings" from the navigation menu
3. Click on "Login Page"
4. Customize the following elements:
   - Update Logo: Click "Update Logo" to upload a custom logo image (recommended size: 200px × 60px)

- Update Background Image: Click "Update Background Image" to upload a custom background image (recommended size: 1920px × 1080px)

5. Click "Save" to apply changes

Customizing the Portal Page

To customize the Portal page:

1. Navigate to the Platform Management view
2. Select "System Settings" from the navigation menu
3. Click on "Portal"
4. Customize the following elements:

   - Main Title: Enter the text to be displayed as the main heading
   - Sub Title: Enter the text to be displayed as the sub-heading
   - Top Image: Upload an image to be displayed at the top of the Portal page
   - Bottom Image: Upload an image to be displayed at the bottom of the Portal page

5. Click "Save" to apply changes

Customizing Platform Branding

To customize platform branding elements:

1. Navigate to the Platform Management view
2. Select "System Settings" from the navigation menu
3. Click on "Logo"
4. Customize the following elements:

   - Platform Logo: Upload a custom logo for the platform (recommended size: 180px × 40px)
   - Platform Name: Enter the text to be displayed as the platform name
   - Favicon: Upload a custom favicon (recommended size: 32px × 32px)

5. Click "Save" to apply changes

Customizing View Names

To customize view names:

1. Navigate to the Platform Management view
2. Select "System Settings" from the navigation menu
3. Click on "Platform Parameters"
4. Under "Product Config," locate the view you want to rename
5. Update the "Name" field with your preferred name
6. Click "Save" to apply changes

The renamed view will appear in the view switcher and Portal page with the new name.

Customizing the Left Navigation

Administrators can customize the **left navigation menus** of the platform to hide, rename, or add navigation items for the Administrator and Projects views.

For detailed steps on how to configure and manage custom left navigation, refer to:

Customizing the Left Navigation

Integrating External Products

You can integrate external product URLs into the platform, which will appear as view cards on the Portal page and in the view switcher.

To integrate an external product:

1. Navigate to the Platform Management view
2. Select "System Settings" from the navigation menu
3. Click on "Platform Parameters"
4. Under "Product Config," click "Integrate Product"
5. Provide the following information:

- Name: The name of the product to be displayed
- Icon: Upload an icon for the product
- URL: Enter the URL of the external product
- Description: Provide a brief description of the product

6. Click "Submit" to complete the integration

Once integrated, the external product will appear as a card on the Portal page and in the view switcher. Clicking the card or selecting the view will navigate users to the specified URL.

Best Practices for Customization

- Maintain consistent branding across all customized elements
- Use image files with appropriate dimensions and file sizes
- Ensure custom text is clear, concise, and appropriate for all users
- Test customizations across different browsers and screen sizes
- Consider accessibility guidelines when selecting colors and contrast levels

Customizing the Left Navigation

This guide explains how to customize the **Administrator view** and **Projects view** left navigation by modifying `custom-navconfig-platform` and `custom-navconfig-project` ConfigMaps.

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Where to configure

In the `cpaas-system` **namespace of the global cluster**, you can find:

- `custom-navconfig-platform`: for **Administrator view** navigation customization
- `custom-navconfig-project`: for **Projects view** navigation customization

Basic operation example

Example: Hide the Licenses menu

To hide **Licenses** in the **Administrator view**, add the following to `custom-navconfig-platform`:

```
apiVersion: v1
data:
  buildIn: |
    {
      "license_manage": {
        "hidden": true
      }
    }
kind: ConfigMap
metadata:
  name: custom-navconfig-platform
  namespace: cpaas-system
```

Field description

- `buildIn`: Modifies built-in navigation.
- `license_manage`: The Licenses menu.
- `hidden: true`: Hides this navigation item.

Refresh your browser to see changes after editing.

Supported customization capabilities

You can:

- **Hide navigation items**
- **Add custom top-level navigation**

- **Modify navigation labels**
- **Modify navigation icons**

Example configuration:

```
apiVersion: v1
kind: ConfigMap
metadata:
  name: custom-navconfig-platform
  namespace: cpaas-system
data:
  buildIn: |
    {
      "<name>": {
        "label": "<Example Name>",
        "hidden": true
      }
    }
  customs: |
    [
      {
        "label": "<Example>",
        "iconData": "<Base64 encoded icon>",
        "hidden": false,
        "href": "http://www.example.com"
      }
    ]
```

Reference

Navigation Configuration Structure Example

The following YAML illustrates **the navigation structure syntax with comments** to guide users on how to write and understand navigation configurations:

```
- name: cluster          # Top-level navigation name. If no translation is
available, this name is displayed.
  icon: basic:server_s  # (Optional) Navigation icon.
  children:
    - name: cluster     # Sub-navigation name. Displays as is if no trans
lation exists.
      href: cluster     # Navigation link. Use absolute URLs (http:// or
https://) for non-platform functions.
    - name: resource_management
      href: resource_management

# If there is no `children` field, you can define direct links, for examp
le:
- name: notification    # Top-level navigation name
  icon: basic:notice_s  # (Optional) Icon
  href: notification    # Navigation link, can be an internal route or ex
ternal URL
  label: Notification    # (Optional) Display label; if set, this overrid
es translation
  gate: notification    # (Optional) Feature flag controlling display vis
ibility
```

- **name**: Unique identifier for navigation. Displays as is if no translation is found.
- **icon**: Optional navigation icon.
- **children**: List of sub-navigation items.
- **href**: Route path or external URL.
- **label**: Optional display label that overrides the default translation.
- **gate**: Optional feature flag that controls whether this navigation item is displayed.

Default left navigation

Below are the **full** `name` **,** `href` **,** `gate` **, and structure references** for direct copy and modification.

Administrator view

```yaml
# Clusters
- name: cluster_management
  icon: server
  children:
    # Clusters
    - name: clusters
      href: cluster-management/cluster
    # Cloud Credentials
    - name: cloud_credentials
      href: cluster-management/cloud-credential
    # CRDs
    - name: crds
      href: $cluster/cluster-management/crd
    # Resources
    - name: resource_management
      href: $cluster/cluster-management/resource
      gate: acp-safemode
      negate: true
    # Backup & Recovery
    - name: backup_recover
      gate: backup-recovery
      children:
        - name: backup_manage
          href: $cluster/cluster-management/backup-restore/backup-manage
        - name: restore_manage
          href: $cluster/cluster-management/backup-restore/restore-manage
        - name: backup_warehouse
          href: cluster-management/backup-restore/backup-warehouse
    # Config
    - name: cluster_config_manage
      href: cluster-management/config-manage
      gate: config-manage

# Networking
- name: network_management
  icon: internet
  children:
    # Domains
    - name: domains
      href: network-management/domain
    # Certificates
    - name: certificates
      href: network-management/certificate
```

```
    # Subnets
    - name: subnets
      href: $cluster/network-management/subnet
      publicCloud: false
      gate: acp-safemode
      negate: true
    # Bridge Networks
    - name: bridge_network
      href: $cluster/network-management/bridge-network
      publicCloud: false
      gate: acp-safemode
      negate: true
    # VLANs
    - name: vlan
      href: $cluster/network-management/vlan
      publicCloud: false
      gate: acp-safemode
      negate: true
    # Load Balancers
    - name: alb2
      gate: alb2
      href: $cluster/network-management/load-balancer
    # Network Policies
    - name: cluster_network_policy
      href: $cluster/network-management/cluster-network-policy
      gate: cluster-network-policy

# Storage
- name: storage_management
  icon: storage
  children:
    # StorageClasses
    - name: storageclasses
      href: $cluster/storage-management/storageclass
    # PersistentVolumes
    - name: nav_pv
      href: $cluster/storage-management/pv
    # Object StorageClass
    - name: object_storage_class
      href: $cluster/storage-management/object-storageclass
      gate: cosi
    # Buckets
    - name: bucket
      href: $cluster/storage-management/bucket
```

```
      gate: cosi

# Security Settings
- name: security_setting
  icon: security
  children:
    # Node Isolation Policies
    - name: node_isolation_policy
      href: $cluster/security-management/node-isolation-policy
      gate: node-isolation

# DevOps Toolchain
- name: toolchain_management
  icon: devops_tools
  gate: katanomi
  href: /console-devops/platform/integration
# Pipelines
- name: pipeline_management
  icon: pipeline
  gate: katanomi
  href: /console-devops/platform/jenkins-custom-template

# Certificates
- name: platform_certificate_manage
  icon: certificate
  href: certificate
  gate: legacy-certificate-manage

# System Settings
- name: platform_setting
  icon: platform_settings
  children:
    # Licenses
    - name: license_manage
      href: platform-setting/license
      gate: license-manage
    # Platform Parameters
    - name: platform_parameters
      href: platform-setting/params
    # Login Page
    - name: login_page
      href: platform-setting/login-page
    # Portal
    - name: portal
```

```
      href: platform-setting/portal
    # Logo
    - name: logo
      href: platform-setting/logo
    # Regions
    - name: manage_region
      href: platform-setting/manage-region
    # Platform Maintenance
    - name: platform_ops
      href: platform-setting/online-ops
```

Projects view

```
# Overview
- name: project_overview
  icon: bar_chart
  href: overview

# Details
- name: project_detail
  icon: project
  href: detail

# Members
- name: project_member
  icon: member
  href: member

# DevOps Toolchain
- name: toolchain_management
  icon: devops_tools
  gate: katanomi
  href: /console-devops/project/$project/integration
# Pipelines
- name: pipeline_management
  icon: pipeline
  gate: katanomi
  href: /console-devops/project/$project/source-management
```