Alibaba Cloud

Apsara Stack Enterprise

Hybrid Cloud Application

Center

User Guide

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Document conventions

Style	Description	Example
⚠ Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	⚠ Danger: Resetting will result in the loss of user configuration data.
🔔 Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	🔔 Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.
📢 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	📢 Notice: If the weight is set to 0, the server no longer receives new requests.
? Note	A note indicates supplemental instructions, best practices, tips, and other content.	? Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings> Network> Set network type.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click OK.
Courier font	Courier font is used for commands	Run the cd /d C:/window command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	bae log list --instanceid Instance_ID
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	ipconfig [-all|-t]
{} or {a|b}	This format is used for a required value, where only one item can be selected.	switch {active|stand}

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1. Hybrid Cloud Application Center

1.1. What is Hybrid Cloud Application Center?

The Hybrid Cloud Application Center allows you to conveniently deliver and deploy applications.

The number of Apsara Stack enterprise users grows day by day, and they want to better utilize

Apsara Stack. Enterprises want to introduce robust cloud-based services to meet the requirements

of their customers. Such services include software as a service (SaaS) products from Alibaba

Cloud and third-party independent software vendors (ISVs). The Hybrid Cloud Application Center

provides a more lightweight mechanism for cloud services to connect to the Apsara Stack sales

system.

Features

- Quick service access

    o Standard access: integrates service components by using the Open Application Model

        (OAM) format to generate complete solutions. The OAM format that approximates

        Kubernetes is an industry standard jointly developed by Alibaba Cloud and Microsoft. The

        OAM format is easy to learn and allows users to integrate multiple services and resource

        definitions into a single overall protocol format. The OAM format can also expand the

        resource capabilities of Apsara Stack into other format descriptions. Then, you can

        implement the corresponding formats to deliver overall environments.

    o Third-party ecosystem: establishes open source standards. Third-party ISV users can

        deliver versions to the Apsara Stack sales system based on the application formats

provided by Apsara Stack. This way, Apsara Stack can provide a wide variety of services

to choose from and customization capabilities. This makes Apsara Stack more flexible and

convenient.

- Convenient environment delivery

  o Trial system: allows you to experience the features and effects of services provided by the

    application center in advance.

  o One-click delivery: allows you to deliver a complete environment with a single click when

    you want to purchase or try out a service. This can reduce delivery costs. You can

    complete the delivery on your own.

- Service environment O&M

  Minimal O&M: accesses basic monitoring and defines basic countermeasures. Automated

  polices are used as much as possible in the O&M environment, which allows applications to

  gradually gain the ability to maintain themselves over time.

Scenarios

The Hybrid Cloud Application Center can be used in the following scenarios:

- Third-party ISVs enter the Apsara Stack platform.

- Internal services that are decoupled from base version dependencies rapidly iterate.

- Applications are expected to be deployed on the tenant side and to be able to provide

  comprehensive Apsara Stack service capabilities.

Benefits

The OAM standard allows you to integrate and package services and resources into a complete

solution. You can deploy this complete solution in your Apsara Stack environment with a single

click. The following benefits are provided:

- Uses the common OAM application package format and simple and unified access standards.

  You do not need to manage the base version.

- Provides a complete third-party ecosystem. You can build application versions, test and

  deliver applications, and specify sales mechanisms to manage the overall service lifecycle in

  the delivery console in the future.

- Provides a one-click service deployment mechanism that allows you to deliver service

  environments with a single click.

- Provides a minimal O&M system. You and your suppliers do not need to manage the platform

  O&M.

Architecture

Service Architecture of Hybrid Cloud Application Center
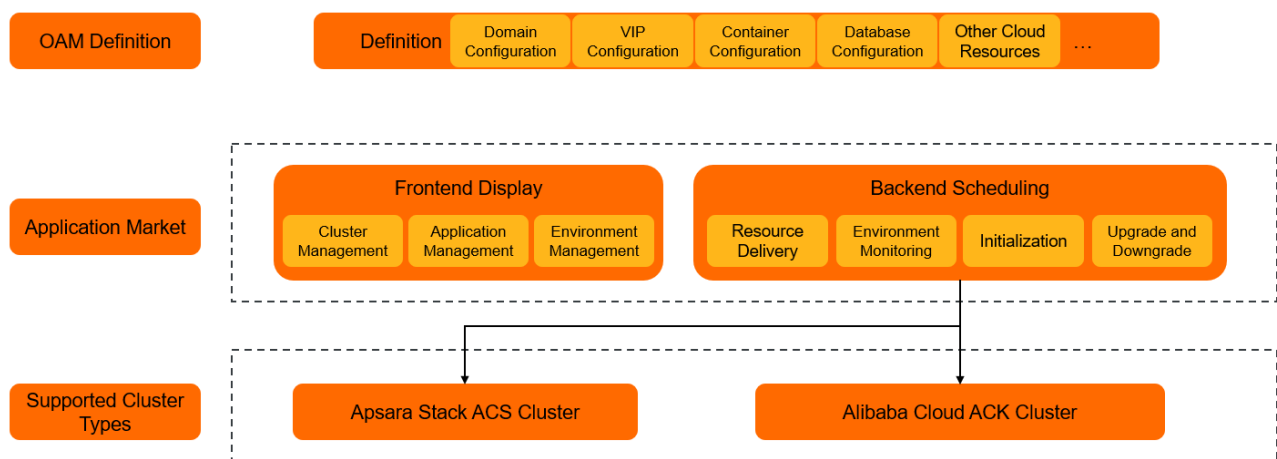
1.2. Experience the trial environment

In trial mode, you can deliver the environment by using minimized resources to experience the

features and effects of a service.

Prerequisites

A Container Service cluster is created. For more information, see *Container Service for Kubernetes*

User Guide.

Background information

This topic describes how to create the environment of WordPress. You can follow this procedure to

create environments of other products.

Procedure

1. Log on to the Apsara Uni-manager Management Console.

2. In the top navigation bar, choose **Applications > Hybrid Cloud Application Center**.

3. In the left-side navigation pane of the **Application Center** page, click **All Applications and**

   Solutions.

4. Click **WordPress**.

   On the **Application Details** page, you can view the basic information, technical support, and

   application introduction of the product.

5. On the **Application Details** page, click **Experience Trial Environment**.

6. Select the type and cluster that you want to manage and click **OK**.

The system goes to the trial environment after a while.

Note

If the **Insufficient Resources** message appears, click **Add or Scale Out Cluster** to go to

Container Service to scale out the cluster. For more information, see *Container Service*

for Kubernetes User Guide.

1.3. End the trial environment

You can close the trial environment of an application and release its resources at any time.

Procedure

1. Log on to the Apsara Uni-manager Management Console.

2. In the top navigation bar, choose **Applications > Hybrid Cloud Application Center**.

3. In the left-side navigation pane of the **Application Center** page, click **My Enterprise**

   Applications.

4. In the **Trial** section, click the trial environment of the application that you want to close.

5. Click **End Application** in the upper-right corner of the page.

6. In the message that appears, click **OK**.

   The trial environment is closed, and its resources are released.

   Note

   After the trial is complete, all the data generated within the trial environment is deleted.

   Proceed with caution.

1.4. Deploy an application

You can deploy a complete production environment of a product with a single click.

Prerequisites

A Container Service cluster is created. For more information, see *Container Service for Kubernetes*

User Guide.

Background information

This topic describes how to create the environment of WordPress. You can follow this procedure to

create environments of other products.

Procedure

1. Log on to the Apsara Uni-manager Management Console.

2. In the top navigation bar, choose **Applications > Hybrid Cloud Application Center**.

3. In the left-side navigation pane of the **Application Center** page, click **All Applications and**

   Solutions.

4. Click **WordPress**.

   On the **Application Details** page, you can view the basic information, technical support, and

   application introduction of the product.

5. On the **Application Details** page, click **Activate Deployment**.

6. Select the type and cluster that you want to manage, set **Authorization Code**, and then click

   OK.

You can obtain the authorization code from the onsite O&M engineer.

The system goes to the production environment after a while.

Note

- o   If the **Insufficient Resources** message appears, click **Add or Scale Out Cluster** to go

    to **Container Service** to scale out the cluster. For more information, see *Container*

    Service for Kubernetes User Guide.

- o   If the authorization code is invalid or empty, the deployed application environment

    is automatically switched to the trial environment.

1.5. View applications

You can view all purchased and trial applications in Apsara Stack.

Prerequisites

You are granted related permissions to view applications. Otherwise, the applications are not

displayed in the application list.

Procedure

1. Log on to the Apsara Uni-manager Management Console.

2. In the top navigation bar, choose **Applications > Hybrid Cloud Application Center**.

3. In the left-side navigation pane of the **Application Center** page, click **My Enterprise**

    Applications.

4. In the **Purchase** section, view the purchased applications. In the **Trial** section, view the trial

applications.