

Dedicated Computing Cluster

User Guide

Issue 04

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1 Overview

DCC provides dedicated, physically isolated computing resource pools on the cloud service platform, allowing you to use physical computing devices and resources exclusively.

This section describes how to enable and use a DCC.

2 Enabling a DeC

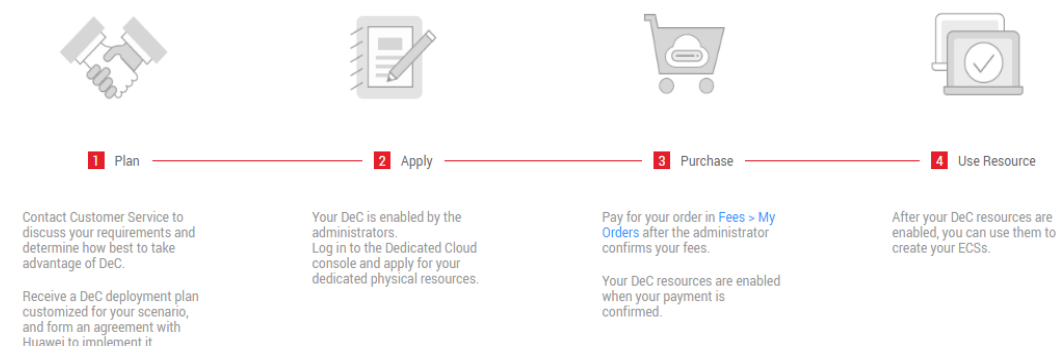
Scenarios

You must enable a DeC before you apply for DCC resources.

Procedure

Log in to the management console. Click **Service List**. Under **Dedicated Cloud**, click **Dedicated Computing Cluster**. On the **DeC** page, you can view the process for requesting a DeC and using resources.

Figure 2-1 DeC requesting and resource usage process



1. To learn DeC advantages and benefits, contact the customer service at 4000-955-988 or 950808.
2. Negotiate with your account manager. The account manager will help you shape a business model based on your service scenarios and requirements and offer the most suitable DeC for you.
3. **Submit a service ticket** to have your DeC provisioned.
 - a. In the **Select Subtype** area, choose **Product Consulting > Create Service Ticket**.
 - b. Select the region where you want to enable a DeC.
 - c. Enter the account name and the DeC to be enabled in the problem description. The DeC name can contain a maximum of 16 characters which consist of only letters (case-insensitive), digits, hyphens (-), and underscores (_).

- d. Enter other parameters as prompted.
 - e. Click **Submit**.
4. After DeC is provisioned, select desired resource pools and flexibly manage your resources.

3 Applying for DCC Resources

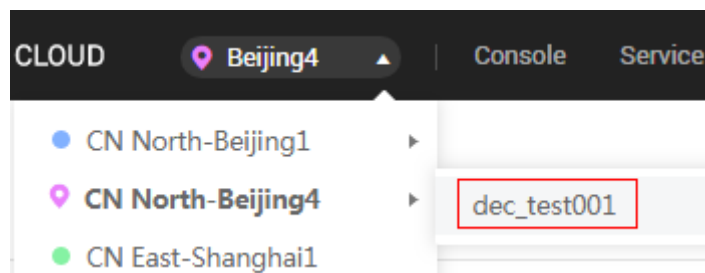
Scenarios

You can apply for DCC resources after you have enabled your DeC.

Procedure

1. Log in to the management console.
2. Switch to the target region where DeC is enabled.

Figure 3-1 Changing the region



3. Click **Service List**. Under **Dedicated Cloud**, click **Dedicated Computing Cluster**.
The **Dedicated Computing Cluster** page is displayed.
4. Click **Apply for Resource** in the upper right corner and set parameters as prompted.
5. Click **Next**.
6. Confirm the configuration and click **Submit**.
7. After the task is successfully delivered, close the task creation page and wait for the administrator's approval.

4 Querying the DeC Information

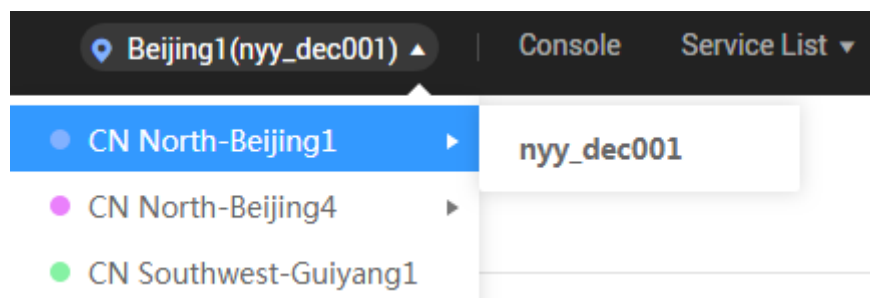
Scenarios

You can view DeCs you have enabled in different regions. You can also view information about basic service resources, such as DCCs and ECSs, in a specific DeC.

Querying DeCs in all Regions

1. Log in to the management console.
2. Click the region name in the upper left corner to view the DeCs you have enabled in all regions.

Figure 4-1 DeCs in different regions



Querying DeCs in a Specified Region

1. Log in to the management console.
2. Click the region name in the upper left corner and select the required region.
3. Click **Service List**. Under **Computing**, click **Dedicated Cloud**. Click the name of the dedicated cloud, and the **Dedicated Computing Cluster** page is displayed by default.

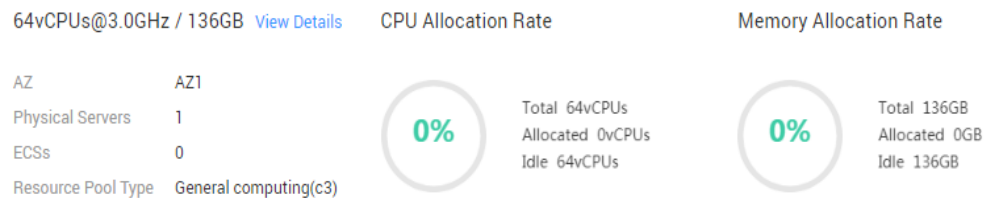
Querying Information About a DCC

1. Log in to the management console.
2. Follow the operations described in [Querying DeCs in a Specified Region](#) to switch to the DCC page.

3. View the monitoring information about DCC resource pools and the resources in the DeC, such as ECSs.

Figure 4-2 DCC resource pool

DCC resource pool



You can view the following information on this page:

- Physical resource specifications in the format of "Number of CPU cores@CPU frequency / Memory size", for example, **64vCPUs@3.0GHz / 136GB**.
 - **Basic Information**
 - **AZ**
 - **Physical Servers**
 - **ECSs**
 - **Resource Pool Type**
 - **CPU Allocation Rate**
 - **Total:** specifies the total number of CPU cores of all physical servers.
 - **Allocated:** specifies the number of allocated CPU cores.
 - **Idle:** specifies the number of idle CPU cores.
 - **Memory Allocation Rate**
 - **Total:** specifies the total physical memory capacity of all the ECSs on physical servers.
 - **Allocated:** specifies the allocated memory capacity.
 - **Idle:** specifies the idle memory capacity.
4. Click **View Details** to view all obtained physical servers in the physical server list. You can also click a physical server name to view all ECSs created on the physical server.

5 Expanding DCC Resources

Scenarios

If the DCC resources you have obtained cannot meet your demands, you can expand DCC resources.

Procedure

1. Log in to the management console.
2. Click the region name in the upper left corner and select the required region.
3. Click **Service List**. Under **Dedicated Cloud**, click **Dedicated Computing Cluster**.
4. In the upper right corner, click **Apply for Expansion**.
The **Apply for Resources** page is displayed.
5. Locate the server type you want to add, set the desired number in the **Quantity** column, and select a usage duration.

Figure 5-1 Applying for resources

Specifications/Resource Pool Type	Price	Quantity
264 vCPUs@2.6 GHz / 516 GB Dedicated Cloud General computings6_264Core 516GB monthly	15,909.6 ¥/server/month	<input type="text" value="0"/> <input type="button" value="-"/> <input type="button" value="+"/> 0 vCPUs,0 GB Memory
264 vCPUs@2.6 GHz / 702 GB Dedicated Cloud General computings6_pro 264Core 702GB monthly	18,268.1 ¥/server/month	<input type="text" value="0"/> <input type="button" value="-"/> <input type="button" value="+"/> 0 vCPUs,0 GB Memory
264 vCPUs@2.6 GHz / 702 GB Dedicated Cloud General computings6_pro 264Core 702GB	182,681 ¥/server/year	<input type="text" value="0"/> <input type="button" value="-"/> <input type="button" value="+"/> 0 vCPUs,0 GB Memory

6. Click **Next**.
7. Confirm the configuration and click **Submit**.
8. After the task is successfully submitted, the system generates a payment order.

Once your payment is verified, the administrator will expand your required resources as soon as possible. After the expansion is complete, the order is in the completed state.

6 Cloud Trace Service

6.1 Key Operations Recorded by CTS

With CTS, you can record operations associated with DCC for later query, audit, and backtrack operations.

Table 6-1 DCC operations that can be recorded by CTS

Operation	Resource Type	Trace Name
Enabling DeC	dec	openDEC

6.2 Viewing Traces

Scenarios


After you enable Cloud Trace Service (CTS), it will record operations performed for DCCs. You can view operation records of the last seven days on the CTS management console.

Procedure

1. Log in to the management console.
2. Click **Service List**. Under **Management & Deployment**, click **Cloud Trace Service**.
3. In the navigation pane on the left, choose **Trace List**.
4. Click the **Region** tab, set the filters, and click **Query**.

The following four filters are available:

- **Trace Type, Trace Source, Resource Type, and Search By.**
 - Select the desired filter criterion from the drop-down list. Select **Management** for **Trace Type** and **DCC** for **Trace Source**.

- If you select **Resource ID** for **Search By**, you need to enter a resource ID. Only whole strings are matched.
 - If you select **Resource name** for **Search By**, you need to select or enter a specific resource name.
 - **Operator**: Select a specific operator (which is a user rather than the tenant).
 - **Trace Status**: Available options include **All trace statuses**, **normal**, **warning**, and **incident**. You can only select one of them.
 - **Time range**: You can select **Last 1 hour**, **Last 1 day**, **Last 1 week**, and **Customize**.
5. Click  on the left of the required trace to expand its details.
 6. Locate a trace and click **View Trace** in the **Operation** column. A dialog box is displayed, showing the trace structure details.

A Change History

Released On	Description
2020-06-23	This issue is the fourth official release, which incorporates the following change: Added operations for submitting a service ticket in Enabling a DeC .
2019-07-30	This issue is the third official release, which incorporates the following changes: Updated screenshots and descriptions in Enabling a DeC , Applying for DCC Resources , Querying the DeC Information , and Expanding DCC Resources in accordance with the console changes.
2018-03-30	This issue is the second official release, which incorporates the following changes: Changed Dedicated Cloud (DeC) to Dedicated Computing Cluster (DCC).
2017-06-23	This issue is the first official release.