

Dedicated Computing Cluster

User Guide

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1 Overview

Dedicated Computing Cluster (DCC) provides dedicated, physically isolated computing resource pools on the cloud service platform, allowing you to use physical server resources exclusively. You can also create ECSs on the physical servers.

DCCs must be used in DeCs. So, you need to apply for a DeC before using your DCCs. Then you can centrally manage your DCCs in the DeC.

This section describes how to enable and use a DCC.

2 Enabling a DeC

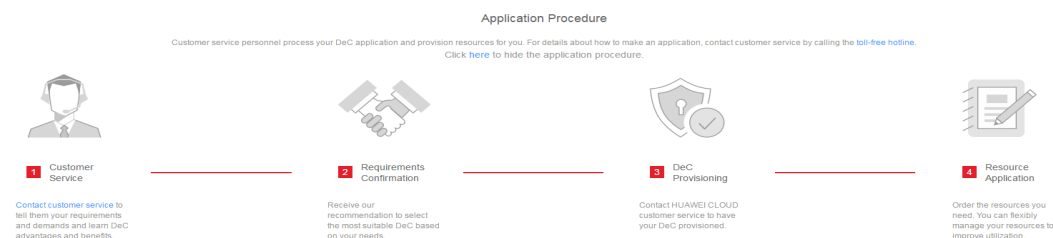
Scenarios

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

Procedure

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

Figure 2-1 DeC requesting and resource application process



1. Make a call to the customer service to learn DeC advantages and benefits. To get the phone number, visit at:
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.
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.
3. Click **Service List**. Under **Compute**, click **Dedicated Cloud**.
Click the name of the DeC. The **Dedicated Computing Cluster** page is displayed by default.
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.

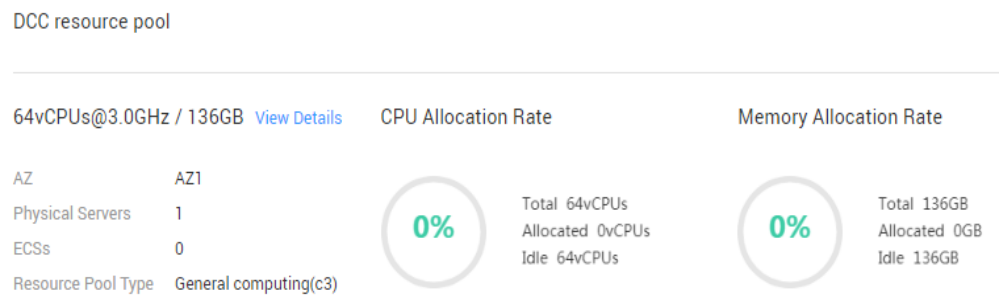
Querying DeCs in a Specified Region

- 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**, and choose **Compute > Dedicated Cloud**. The **DeC** page is displayed.

Querying Information About a DCC

- 1. Log in to the management console.
- 2. Switch to the **DeC** page by following the instructions provided in [Querying DeCs in a Specified Region](#).
- 3. Click the name of your desired DeC to view the monitoring information about DCC resource pools and the resources in the DeC, such as ECSs.

Figure 4-1 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 **Compute**, click **Dedicated Cloud**.
4. On the **DeC** page, click **DCC resource pool**.
The **Dedicated Computing Cluster** page is displayed.
5. In the upper right corner, click **Apply for Expansion**.
The **Apply for Resources** page is displayed.
6. Locate the server type you want to add, set the desired number in the **Quantity** column, and select a usage duration.
7. Click **Next**.
8. Confirm the configuration and click **Submit**.
9. 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.