Hyper Elastic Cloud Server

Getting Started

Issue 03

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1 Purchasing an HECS

This section describes how to purchase an HECS on the management console. By default, an HECS is billed on a yearly/monthly basis, located in a randomly allocated AZ, and uses the default security group and an automatically-assigned EIP. The HECS management console enables you to quickly purchase HECSs within several minutes, improving configuration efficiency.

NOTE

If the enterprise project function is enabled, HECSs are created in the **default** enterprise project by default. If your account is not permitted to access the **default** enterprise project, apply for the permission before purchasing HECSs.

Purchase process:

- **2 Step 1: Select a Configuration**
- **3 Step 2: Purchase an HECS**
- **4 Step 3: Reset the HECS Password and Log In to the HECS**
- **5 Step 4: (Optional) Purchase and Attach a Data Disk to the HECS**
- **6 Step 5: (Optional) Set Up a Website on the HECS and Configure the Domain Name**

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2 Step 1: Select a Configuration

The following table lists available HECS configurations. Select one based on your application scenarios.

Table 2-1 HECS configurations

Classification	vCPUs and Memory	EVS Disk	Bandwidth	Application Scenario
Entry level	1 vCPU | 1 GB	40 GB, high I/O	1 Mbit/s	Provides basic computing capabilities for tiny loads; ideal for setting up small websites.
Basic level	1 vCPU | 2 GB	40 GB, high I/O	1 Mbit/s	Provides computing capabilities for light loads; ideal for small-scale websites, software, and applications.
Advanced level	2 vCPUs | 4 GB	40 GB, high I/O	2 Mbit/s	Provides computing capabilities for light and medium loads; ideal for small- and medium-scale websites, software, applications and systems.
Flexi purchase	Customize HECS specifications based on service scenarios.			

For instructions about how to set up a website, see **Best Practices for Setting Up Websites**.

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3 Step 2: Purchase an HECS

Scenarios

This section describes how to purchase an HECS.

Notes

Certain parameters on the **Buy HECS** page use default system settings to speed up configurations. For details about these configurations, see the following table.

Table 3-1 Default configurations

Parameter	Configuration
Billing Mode	Yearly/Monthly
AZ	Randomly allocated and cannot be changed.
Image	Public image, Marketplace image, and private image **NOTE** • Private images are used only when you change OSs. • Only private images of the system disk or full-HECS type can be used for OS change.
VPC	Allocated by default and cannot be changed.
Security Group	Allocated by default but can be changed after the HECS is created. For details, see **Default Security Groups and Security Group Rules**.
EIP	Automatically assigned by default. **NOTE** If you customize the configuration and set **Bandwidth** to **Do not configure** when purchasing an HECS, you can attach an EIP to the HECS after the HECS is purchased.
Disk	Only a system disk is allocated. You can add one data disk during HECS purchase or add more after HECS purchase.

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Parameter	Configuration
HECS Name	The default HECS name consists of **hecs_** and a 4-digit random number. You can change the name after the HECS is created.
Password	• Set a password when creating an HECS. • Alternatively, select **Set password later** when creating an HECS, and reset the password on the management console after the HECS is created.

Prerequisites

HECSs can only be billed on a yearly/monthly basis. Before purchasing an HECS, make sure that you have registered on HUAWEI CLOUD and your credit balance is sufficient. For details, see **Registering on the HUAWEI CLOUD Management Console**.

Procedure

1. Log in to the **management console**.
2. Click  in the upper left corner and select your region and project.
3. Under **Computing**, click **Hyper ECS**.
4. Click **Buy HECS**.

   The **Buy HECS** page is displayed.
5. Select a region.

   HECSs in different regions cannot communicate with each other over a private network. For lower network latency and quick resource access, select the nearest region.

   NOTE

   The AZ is randomly allocated and cannot be changed.
6. Select an image.
   - A public image is a widely used standard image. It contains an OS and preinstalled public applications and is available to all users. After an HECS is created using a public image, you can deploy applications or software on the HECS as required.

     Table 3-2 lists the functions recommended for public images.

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Table 3-2 Functions supported by public images

Name	Description	How to Enable
Host security	If you select certain public images, it is a good practice to use the host security function. HSS helps you improve server security in every aspect. It can defend against account hacking attacks, detect weak passwords, and prevent unauthorized logins by two-factor authentication.	Select **Host Security** (basic edition). If you select this option, the system automatically installs the HSS agent and defends against account hacking attacks to improve your server security. For details about how to check the host security, see **Host Security**.
Host monitoring	If you select certain public images, it is a good practice to use the host monitoring function. Cloud Eye monitors vCPUs, memory, network, disks, and processes of the HECS, so that you can view resource utilization or locate a fault.	Select **Cloud Eye**. If you select this option, the Agent will be automatically installed on the HECS and be granted the permissions required for monitoring. For details about the monitoring metrics, see **OS Monitoring Metrics Supported by HECSs with the Agent Installed**.

  - A Marketplace image is a third-party image that contains an OS, preset application environment, and software. Use the images to deploy websites and application development environments with a few clicks. No additional configuration is required.

7. Select a configuration.

   For details, see **2 Step 1: Select a Configuration**.

8. (Optional) Create a data disk with a customized size for the HECS. The disk is of the VBD type by default.

9. Set a login password.

   a. Set a password when creating the HECS.

      A username and its initial password are used for HECS authentication.

      The initial password of user **root** is used to authenticate Linux HECSs, while that of user **Administrator** is used to authenticate Windows HECSs.

      The passwords must meet the requirements described in **Table 3-3**.

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Table 3-3 Password complexity requirements

Parameter	Requirement	Example Value
Password	• Consists of 8 to 26 characters. • Contains at least three of the following character types: – Uppercase letters – Lowercase letters – Digits – Special characters: $!@%-_=+[]:./^,{}? • Cannot contain the username or the username spelled backwards. • Cannot contain more than two characters in the same sequence as they appear in the username. (This requirement applies only to Windows HECSs.)	YNbUwp!dUc9MClnv **NOTE** The example password is generated randomly. Do not copy it for use.

NOTE

The system does not periodically change the password. It is recommended that you change your password regularly for security.

b. Set the password after creating the HECS.

After the HECS is created, select **Reset Password** in the **Operation** column, set a password for the HECS as prompted, and log in to the HECS.

10. Set the required duration.

The required duration of a yearly/monthly HECS ranges from one month to three years.

If you select **Auto renew**, your order will automatically renew on a monthly or yearly basis, depending on if you purchased 1-9 months, or 1-3 years.

11. Configure the number of HECSs to be purchased.
    - **Quantity**: sets the number of HECSs to be purchased.
    - **HECS Price**: shows the HECS configuration fee.
12. Agree to the service agreement, click **Next**, and complete the payment as prompted.

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4 Step 3: Reset the HECS Password and Log In to the HECS

Scenarios

If you select **Set password later** during HECS creation, you can set the password for logging in to the HECS by clicking **Reset Password** on the HECS management console. This section describes how to reset the password on the console and remotely log in to the HECS through the console.

For details about how to log in to an HECS, see:

- **Login Overview for Windows HECSs**
- **Login Overview for Linux HECSs**

Resetting the HECS Password

1. Log in to the **management console**.
2. Click  in the upper left corner and select your region and project.
3. Under **Computing**, click **Hyper ECS**.
4. Locate the row containing the target HECS, click **More** in the **Operation** column, and select **Reset Password** from the drop-down list.

   NOTE

   You can reset passwords for HECSs in batches.

   1. Select the target HECSs.
   2. Click **Reset Password** in the upper part of the HECS list.
   3. Set a new password as prompted.

      After the resetting, the login passwords of these HECSs are the same.

5. Set and confirm a new password as prompted.

   If you reset the password for a running HECS, the new password takes effect only after the HECS is restarted. You can select **Auto Restart**.

6. Click **OK**.

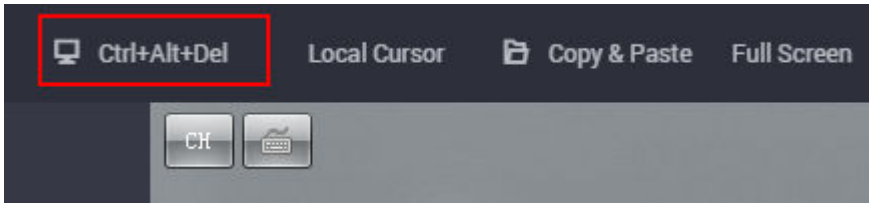
   It takes about 10 minutes to reset the password. Do not repeatedly perform this operation during a reset.

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Logging In to the ECS Using VNC Through the Management Console

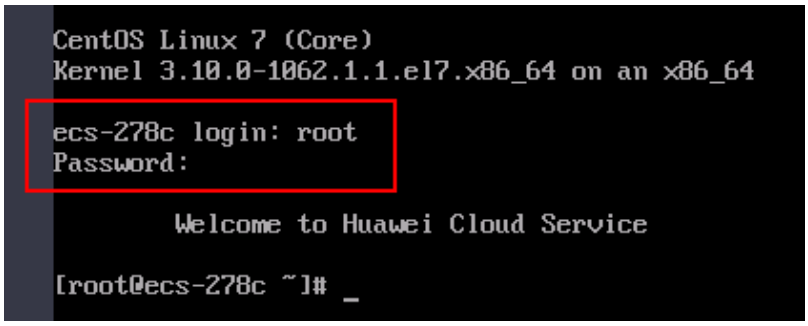
1. In the **Operation** column of the target ECS, click **Remote Login**.
2. Log in to the ECS as prompted.
   - **Windows:** When the system displays "Press CTRL+ALT+DELETE to log on", click **Send CtrlAltDel** in the upper part of the remote login page to log in to the ECS.

     Figure 4-1 Send CtrlAltDel

   - **Linux:** Enter the username and password as prompted.

     Figure 4-2 Username and password

3. Enter the password for logging in to the ECS.

   To log in to a Linux ECS, enter the username and then password.

   NOTE

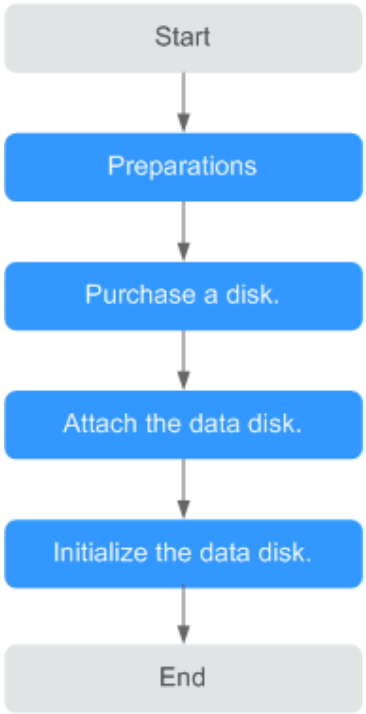
   Username for logging in to an ECS:
   - For Windows: **Administrator**
   - For Linux: **root**

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5 Step 4: (Optional) Purchase and Attach a Data Disk to the HECS

If the system disk cannot meet your storage requirements, purchase an EVS disk and attach it to the HECS after purchasing the HECS.

Figure 5-1 Purchase procedure



- For instructions on how to add an EVS disk, see **Adding a Disk to an HECS**.
- For instructions on how to attach an EVS disk to an HECS, see **Attaching a Non-Shared Disk** or **Attaching a Shared Disk**.
- For instructions on how to initialize a data disk, see **Initializing an EVS Data Disk**.

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6 Step 5: (Optional) Set Up a Website on the HECS and Configure the Domain Name

Scenarios

This section describes how to set up an external website or a web application on an HECS.

Procedure

1. Set up a website or web application.

   If your HECS is created using a public image, follow the instructions to set up an external website or a web application on the HECS:

   - To set up a WordPress blog, see **Deploying WordPress Using an Image**.
   - To set up a Discuz forum, see **Setting Up a Discuz Forum**.
   - For more information, see **Best Practices for Setting Up Websites**.

2. **Purchase a domain name**.

   If a domain name is already available, go to step **3**.

3. Configure domain name resolution.

   - For the domain name registered at HUAWEI CLOUD, see **DNS Resolution**. For more details, see **Configuring Record Sets for a Website**.
   - For the domain name registered with other registrars, see Domain Registration on HUAWEI CLOUD.

4. Apply for an Internet Content Provider (ICP) filing number for the website.

   When the ICP filing number for the website is available, your domain name can be directed to the ICP filing server for access. For more details, see **ICP License Service**.

5. Obtain an SSL certificate.

   This operation is performed if HTTPS is used. SSL Certificate Manager (SCM) is jointly provided by HUAWEI CLOUD and world-renowned Certificate Authorities (CAs). It provides one-stop management of digital certificates throughout their lifecycles to ensure trusted authentication and secure data transmission for websites. For more details, see **SSL Certificate Manager**.

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7 Change History

Released On	Description
2020-04-30	This issue is the third official release. Added description that you can enable the host monitoring function when you select a public image to create an HECS in **3 Step 2: Purchase an HECS**.
2020-03-30	This issue is the second official issue. Added description that you can enable the host security function when you select a public image to create an HECS in **3 Step 2: Purchase an HECS**.
2020-02-06	This issue is the first official release.

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