

Application Operations Management

Best Practices

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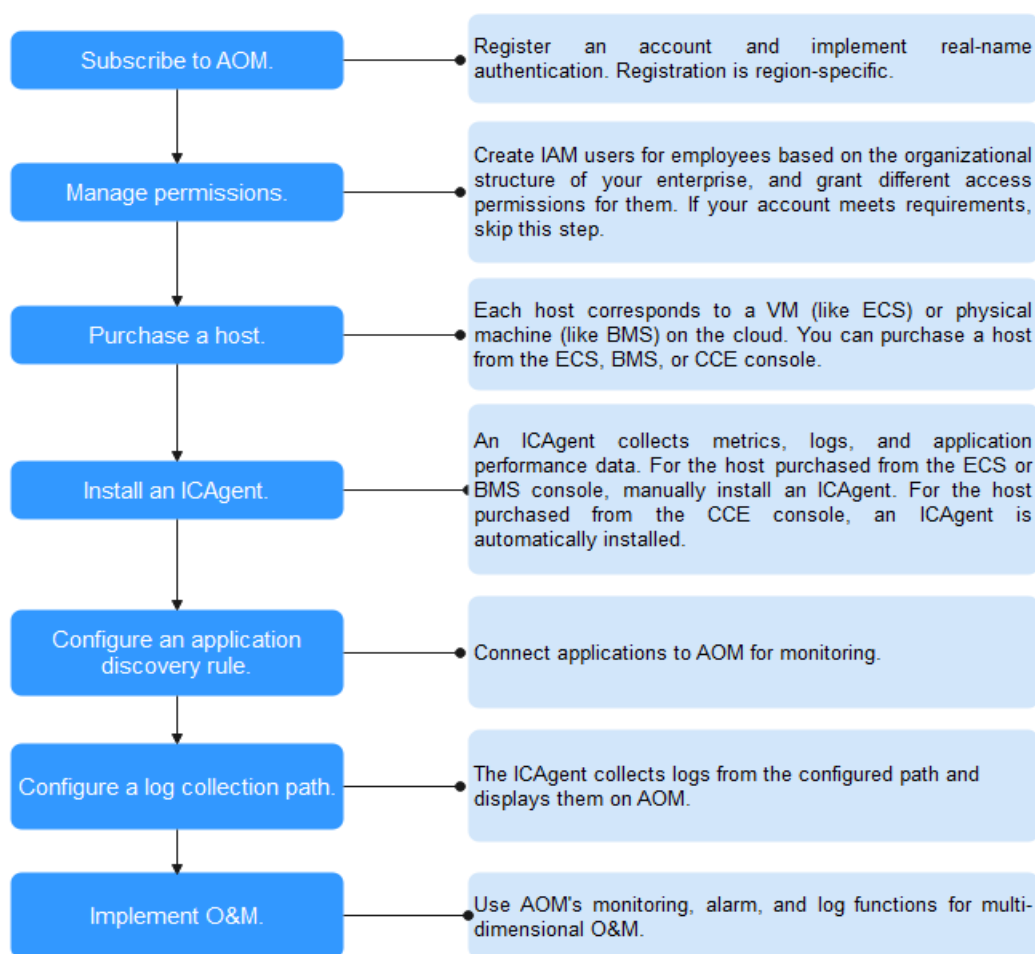
Contents

1 Process of Using AOM.....	1
2 Subscribing to AOM 1.0.....	3
3 Installing an ICAgent.....	4

1 Process of Using AOM

Application Operations Management (AOM) is a one-stop cloud operations management platform that helps you with problem management, monitoring, security, and performance. Streamline cloud operational processes and effectively manage cloud hardware, software, services, and networks.

Figure 1-1 Process of using AOM



1. (Mandatory) **Subscribe to AOM.**
2. (Optional) Create IAM users and set permissions.
Create IAM users for employees based on the organizational structure of your enterprise, and grant different access permissions to them.
3. (Mandatory) Purchase a cloud host.
A host corresponds to a VM, for example, Elastic Cloud Server (ECS), or a physical machine, for example, Bare Metal Server (BMS). A host can be directly purchased on the ECS or BMS console, or indirectly purchased on the Cloud Container Engine (CCE) console.
4. (Mandatory) **Install an ICAgent.**
An ICAgent is a collector of AOM. It collects metrics, logs, and application performance data in real time. For hosts purchased on the ECS console, install the ICAgent manually. For hosts purchased on the CCE console, the ICAgent is automatically installed.
5. (Optional) **Configure application discovery rules.**
Connect applications on the host to AOM for monitoring. For the applications that meet built-in application discovery rules, they will be automatically discovered after the ICAgent is installed. For those that do not meet built-in rules, custom your own rules.
6. (Optional) **Configure a log collection path.**
To use AOM to monitor host logs, configure a log collection path first.
7. (Optional) Perform O&M.
Use AOM functions such as **dashboards**, and **alarm notifications** to perform routine O&M.

2 Subscribing to AOM 1.0

Before subscribing to AOM 1.0, register a [HUAWEI ID](#).


 **NOTE**

AOM 1.0 is about to go offline. You are advised to use AOM 2.0.

Procedure

AOM resources are region-specific and cannot be used across regions. Select a region (such as CN-Hong Kong and AP-Bangkok) before subscribing to AOM.

The procedure is as follows:

- Step 1** Log in to the Huawei Cloud management console.
- Step 2** Click  in the upper left corner and select your desired region from the drop-down list.

- Step 3** Click  on the left and choose **Management & Deployment > Application Operations Management**.

If you access the AOM 1.0 console through the [AOM official website](#), click **Go to Authorization** in the displayed **Notify** dialog box to enable AOM 2.0.

 **NOTE**

AOM 1.0 packages can no longer be purchased. New billing will take effect after AOM 2.0 is enabled. If you do not enable AOM 2.0, only certain AOM 1.0 functions can be used.

- Step 4** On the displayed dialog box, read the billing changes for switching AOM 1.0 to AOM 2.0.
- Step 5** Click **Authorize**. On the **Service Authorization** page that is displayed, read the *Authorization Statement* and select "I have read and agreed to the *Authorization Statement*".
- Step 6** Click **Subscribe and Authorize for Free** for AOM 2.0.
- Step 7** If necessary, choose **Back to 1.0** in the navigation pane to access AOM 1.0.

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3 Installing an ICAgent

This section describes how to install an ICAgent on an ECS and monitor its resources on the AOM console.

Prerequisites

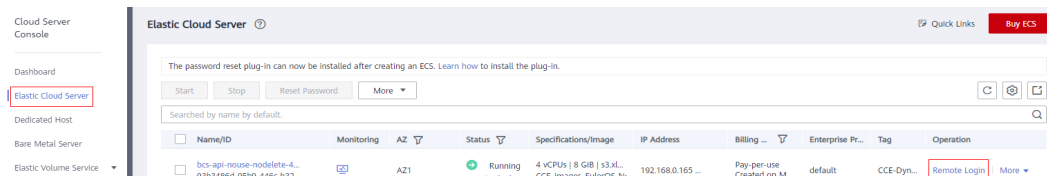
- You have [purchased an ECS](#).
- The ECS meets the requirements in [OSs and versions supported by AOM](#).
- You have [obtained an AK/SK](#).
- The time of the local browser must be consistent with that of the ECS.

Installing an ICAgent

- Step 1** Log in to the AOM console. In the navigation pane, choose **Configuration Management > Agent Management**.
- Step 2** Click **Install ICAgent**. On the displayed page, set **Host Type** to **HUAWEI CLOUD host**, and **Installation Mode** to **Obtain AK/SK**.
- Step 3** Click **Copy Command** to copy the installation command.
- Step 4** Log in to the ECS remotely.

Specifically, log in to the ECS console, click **Remote Login** in the **Operation** column of the target ECS, and then log in to the ECS as the **root** user.

Figure 3-1 Logging in to the ECS remotely



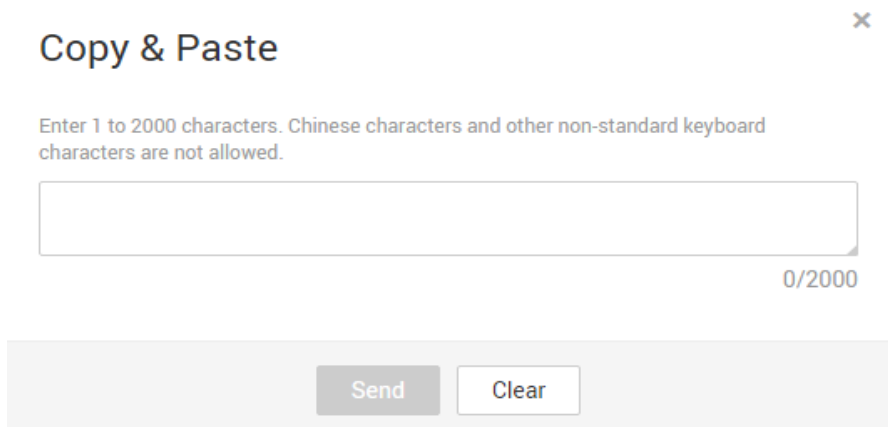
- Step 5** Run the ICAgent installation command.

On the ECS page, click **Copy & Paste**. On the page that is displayed, press **Ctrl+V** to paste the ICAgent installation command obtained in [Step 3](#), and click **Send** to send the command to the CLI, as shown in the following figure. In the CLI, press **Enter** to run the ICAgent installation command.

Figure 3-2 Copy & Paste button



Figure 3-3 Pasting and sending the installation command



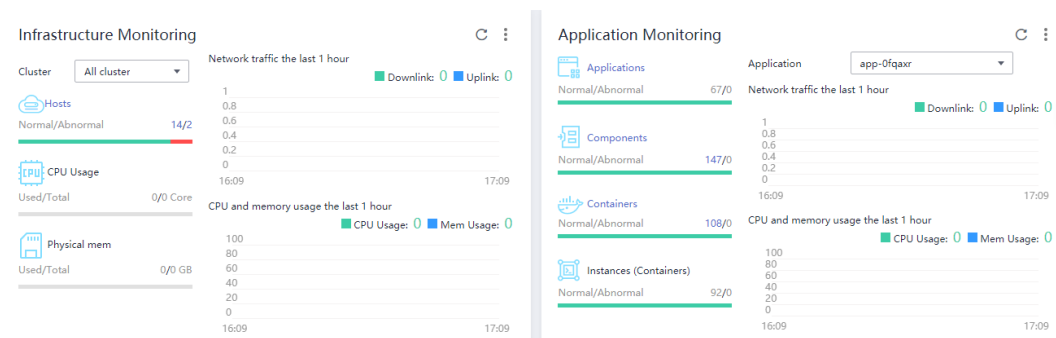
If the message "ICAgent install success" is displayed, the ICAgent is successfully installed in the `/opt/oss/servicemgr/` directory. Wait for a while and go back to the **Agent Management** page to check whether the ICAgent status of the ECS is **Running**.

- If the ICAgent status is **Running**, the ICAgent is successfully installed.
- If the ICAgent status is **Offline**, view details. The AK/SK or ECS agency may be incorrect. In this case, obtain the correct AK/SK or reconfigure the ECS agency, and then reinstall the ICAgent. If the problem persists, [submit a service ticket](#).

Step 6 On the AOM console, monitor the ECS.

After the ICAgent is installed, wait for about 1–2 minutes. Then, in the navigation pane, choose **Overview > O&M** to monitor the ECS, as shown in the following figure.

Figure 3-4 O&M



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