

**AOM**

# Getting Started

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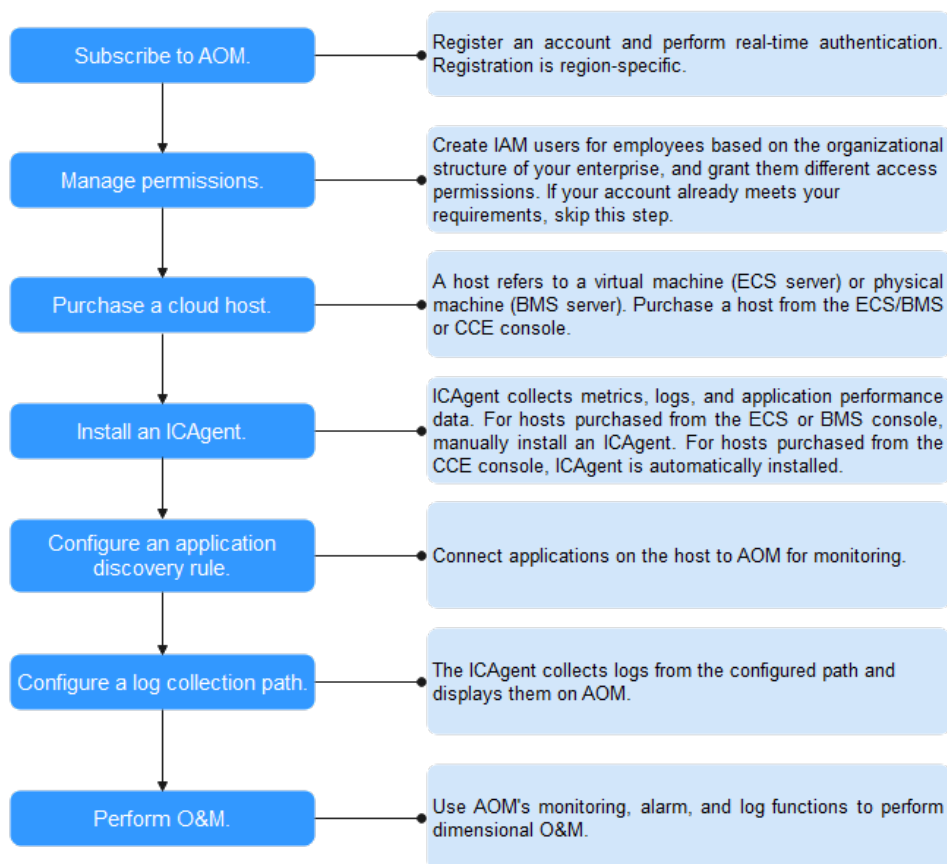
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# 1 Process of Using AOM

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.**  
ICAgent is the collector of AOM. It collects metrics, logs, and application performance data in real time. For hosts purchased on the ECS or BMS console, install the ICAgent manually. For hosts purchased on the CCE console, the ICAgent is automatically installed.
5. (Optional) **Configure an application discovery rule.**  
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 **dashboard**, and **alarm notification** to perform routine O&M.

# 2 Subscribing to AOM



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Before subscribing to AOM, register a [HUAWEI CLOUD account](#) and complete [real-name authentication](#).

## Subscribing to AOM

AOM resources are region-specific and cannot be used across regions. Select a region (such as CN North-Beijing 1 and CN South-Guangzhou) before subscribing to AOM.

The procedure is as follows:

1. Log in to the HUAWEI CLOUD management console.
2. Click  in the upper left corner and select your desired region from the drop-down list.
3. Click  on the left and choose **Management & Governance > Application Operations Management**.
4. In the dialog box that is displayed, click **Subscribe for Free**.

### NOTE

AOM provides both basic and pay-per-use editions. The basic edition is used by default. You can click **Switch Edition** as required.

# 3 Installing an ICAgent

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

## Precautions

- You have [purchased an ECS](#).
- The ECS meets the requirements in [OSs and versions supported by AOM](#).
- You have bound an Elastic IP Address (EIP) to the ECS according to [Assigning an EIP and Binding It to an ECS](#).
- You have obtained an Access Key ID/Secret Access Key (AK/SK). There are two methods:
  - (Recommended) Obtain a permanent AK/SK according to [How Do I Obtain an AK/SK?](#)
  - Obtain a temporary AK/SK according to [How Do I Obtain the AK/SK by Creating an Agency?](#)
- 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 page that is displayed, enter the AK/SK to generate the ICAgent installation command, and click **Copy Command** to copy the command for further use in [Step 4](#), as shown in the following figure.

### NOTE

Ensure that the AK/SK are correct. Otherwise, the ICAgent cannot be installed.

Figure 3-1 Installing an ICAgent

**Install ICAgent**

Host: **HUAWEI CLOUD host** Non-HUAWEI CLOUD host beta

OS: **Linux**

Installation Mode: **Obtain AK/SK** Create Agency

You can install ICAgent in either of the above ways. If you have installation for multiple hosts, please refer to [Inherited Batch Installation](#).

- 1 Enter the AK/SK to generate the installation command. [How to Obtain an AK/SK?](#)**  
AK: [Input field]  
SK: [Input field]
- 2 Copy Command**  
Command Generated: [Copy Command](#) ✓  

```
curl http://icagent-cn-north-7.obs.cn-north-1.myhuaweicloud.com/ICAgent_linux/apm_agent_install.sh > apm_agent_install.sh && REGION=cn-north-7 bash apm_agent_install.sh -H IJG9KR5aKPyZeAgzh -p cn-north-7 -projectid e6271c77 obs.cn-north-1.myhuaweicloud.com -accessip 100.79.29.107;
```
- 3 Use a remote login tool (such as PuTTY) to log in to the node as the root user and run the copied command.**

**Step 3** 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 3-2 Logging in to the ECS remotely

Elastic Cloud Server

You can create 999 more ECSs. The ECSs can use up to 7999 vCPUs and 24,575 GB of memory. [Quota details](#)

Name/ID	AZ	Status	Specifications/Image	IP Address	Billing Mode	Enterprise Pr.	Operation
ecs-a738-09c5802f-5540-4269-9f2e-2a...	AZ1	Running	1 vCPUs   1 GB   s3 small.1 SUSE Enterprise 11 SP4 64bit	159.138.237.153 (EIP) 5 Mbit/s 192.168.1.118 (Private IP)	Pay-per-use	default	<a href="#">Remote Login</a> <a href="#">More</a>

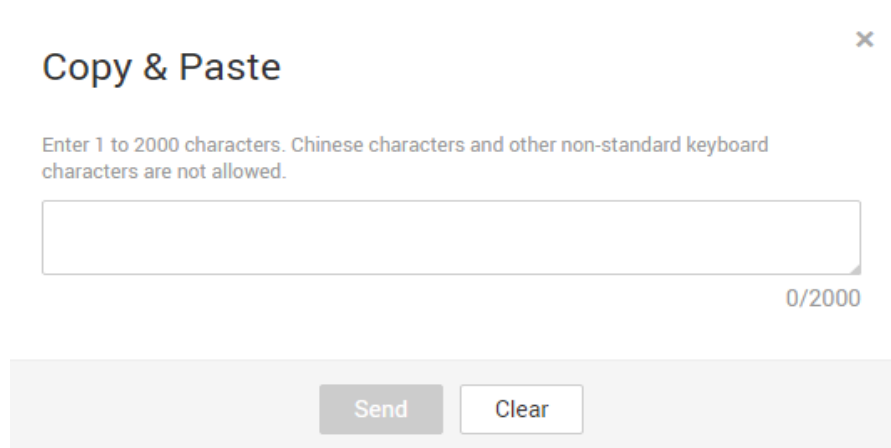
**Step 4** Run the ICAgent installation command.

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 2](#), 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 3-3 Copy & Paste button



Figure 3-4 Pasting and sending the installation command



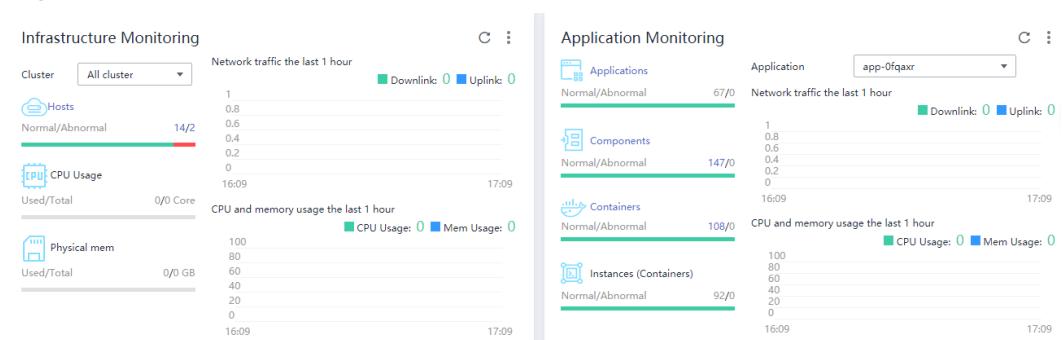
If the message "ICAgent install success" is displayed, the ICAgent is successfully installed in the `/opt/oss/servicemgr/` directory. Wait for a while and go back to the **Agent Management** page to check whether the ICAgent status is **Running**.

- 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 5** 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 3-5 O&M



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