

Silver Peak

Orchestrator and AWS Deployment Guide

How to deploy an Orchestrator with AWS

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Date: September 2019

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Support

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Related Documentation

- **Release Notes** provide information on new software features, system bugs, and software compatibility.
- All user documentation is available at <http://www.silver-peak.com>.

Overview

Silver Peak Unity Orchestrator and Unity EdgeConnect provide customers with unprecedented levels of visibility into both legacy and cloud applications, and the ability to centrally assign business intent policies to secure and control all WAN traffic. A Silver Peak Unity Orchestrator, referred throughout the guide as Orchestrator, can be deployed as a Virtual Machine (VM) in a Virtual Private Cloud (VPC) in Amazon Web Services (AWS). It is available on the AWS Marketplace as a Bring Your Own License (BYOL) VM instance. This guide illustrates how to deploy an Orchestrator instance from the AWS Marketplace.

Prerequisites

Prior to deployment, you must make sure you have the following:

- An existing AWS account
- Permission to deploy a VM from the AWS Marketplace into a VPC

Deploy the Orchestrator from the AWS Marketplace

Follow these steps to deploy the Orchestrator.

1. To locate the Orchestrator AMI on the AWS Marketplace, log into your AWS account, click **Services**, and select **EC2** under Compute. The EC2 Dashboard appears.
2. Click **Launch Instance**.
3. Click the AWS Marketplace link, and type **silver peak**.
The Silver Peak product listings appear.
4. Select **Silver Peak Unity Orchestrator** for AWS.
5. The *Choose an Amazon Machine Image (AMI)* page opens. Click **Continue**.
6. The *Choose an Instance Type* page opens.
Refer to the [Orchestrator Host Systems Requirements](#) document to find the recommended CPU, RAM, and storage requirements of the Orchestrator based on the number of EdgeConnect devices that you are planning to manage from the Orchestrator. Silver Peak recommends EC2 instance types **M4**, **M5**, **M5a**, **M5ad**, and **M5d** to deploy the Orchestrator.
7. Click the **Next: Configure Instance Details** button after selecting the instance type.
The Configure Instance Details page opens.
8. Refer to the tables below to enter settings for each configuration option.

VPC Configuration	Settings
Number of instances	1
Purchasing option	Keep the default setting.
Network	Select the VPC into which you want to deploy the Orchestrator.
Subnet	Select a subnet.
Auto-assign Public IP	If you are deploying the Orchestrator for a short period of time, for instance, for a Proof of Concept, you may select Enable, which will assign dynamic public IP to the Orchestrator. If you plan to use the Orchestrator in a production environment, it is recommended to assign an Elastic (static) IP address to the Orchestrator.
Placement group	Keep the default setting.

IAM role	Select an appropriate IAM role. If no IAM roles are created, select None.
Shutdown behavior	Stop
Capacity Reservation	Optional
Enable termination protection	Optional
Monitoring	Optional
EBS-optimized instance	Launch as EBS-optimized instance.
Tenancy	Shared - Run a shared hardware instance.
Elastic Inference	Keep the default setting.

9. Click **Next: Add Storage**.

The Add Storage page opens. Keep the default settings.

10. Click **Next: Add Tags**.

The Add Tag page opens. Optionally, you may assign a tag to the Orchestrator.

11. Click **Next: Configure Security Group**.

The Configure Security Group page opens.

12. Create a new Security Group or assign an existing Security Group. You should enable inbound **TCP port 22** and **TCP port 443** from your network to access the Orchestrator. Similarly, allow all outbound traffic.

13. Click the **Review and Launch** button.

The Review Instance Launch page opens

14. Click **Launch**.

Select an existing keypair or create a new keypair window opens. As the name suggests, you may select an existing keypair or create a new one.

15. Check the **Assign a keypair** box.

16. Click **Launch instance**.

17. On the Launch Status page, click the instance (AMI) ID. The EC2 page opens.

18. If you assigned a dynamic public IP while deploying the Orchestrator, you will see it on the

Description tab of the VM. If you did not assign a public IP while deploying the Orchestrator, click the Elastic IPs page, allocate a new static IP, and assign it to the Orchestrator.

You have now deployed your Orchestrator. The next step is to create an admin password on the Orchestrator.

Create an admin password on the Orchestrator

Once the Orchestrator is running and has a public IP assigned to it, SSH into its terminal to create a new admin password to log into the Orchestrator's Web UI.

1. Log on to the Orchestrator via SSH by entering the following information:
 - **Username:** `ec2-user`
 - **Password:** Use the SSH keypair you selected earlier while deploying the Orchestrator.
2. Once you've established an SSH session, type the following commands to create a new admin password:
 - a. `sudo su - gms`
 - b. `cd /home/gms/gms`
 - c. `./resetpasswd change`
 - d. Type in your password when you see `Enter new password`
 - e. Confirm your password when you see `Confirm new password`

You are now ready to log into the Orchestrator Web UI.

Log in to the Orchestrator Web UI

1. After the password is successfully created, on a web browser, type `https://` followed by the Orchestrator's public IP.
2. Log into the Orchestrator.
 - a. **Username:** `admin`
 - b. **Password:** type the newly created password.
3. Click **Agree** on the Silver Peak's End User License Agreement window.
4. Once you're logged in for the first time, the Getting Started Wizard opens. Complete the Getting Started Wizard and configure the Orchestrator by following the [Unity Orchestrator's User Guide](#).