

Silver Peak

# Orchestrator and Microsoft Azure Deployment Guide

How to deploy an Orchestrator with Microsoft Azure

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Date: September 2019

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# Support

For product and technical support, contact Silver Peak Systems at either of the following:

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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 Network (VNet) in Microsoft Azure. It is available on the Azure Marketplace as a Bring Your Own License (BYOL) VM instance. This guide illustrates how to deploy an Orchestrator instance from the Azure Marketplace.

# Prerequisites

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

- An existing Azure account
- Permission to deploy a VM from the Azure Marketplace into a VNET

# Deploy the Orchestrator from the Azure Marketplace

Follow these steps to deploy the Orchestrator.

1. Locate the Orchestrator VM on the Azure Marketplace by navigating to the Resource Group that you are planning to deploy the Orchestrator.
2. Click **Add**.
3. In the **Search the Marketplace** text box, type **silver peak**, and select the **Silver Peak Unity Orchestrator** icon.

The Orchestrator page opens.

4. Click **Create**.

The Create a virtual machine page opens.

5. Refer to the tables below to enter settings for each configuration option.

Basics	Settings
<b>Subscription</b>	Select your subscription.
<b>Resource Group</b>	Select Create new or use an existing resource group.
<b>Virtual machine name</b>	Enter a descriptive name for the Orchestrator.
<b>Region</b>	Select an Azure region where you want to deploy your Orchestrator.
<b>Availability options</b>	Select No infrastructure redundancy required.
<b>Image</b>	Select the latest Orchestrator image
<b>Size</b>	Refer to the <a href="#">Orchestrator Host Systems Requirements</a> 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.
<b>Authentication type</b>	You may select either <b>Password</b> or <b>SSH public key</b> .
<b>Username</b>	Enter a username.
<b>Password</b>	Enter a password. If you selected an SSH public key-based authentication, enter the SSH public key instead.

6. Click **Next: Disks**.



Disks-Select disk options	Settings
OS disk type	Select Standard SSD or Premium SSD

Keep all other settings as default

7. Click **Next: Networking**.

Networking-Define Network connectivity	Settings
Virtual Network	Select a VNet from the drop-down list.
Subnet	Select a subnet to deploy the MGMT0 interface.
Public IP	Click <b>Create new</b> and assign a static public IP address.
NIC network security group	Keep the default settings.
Accelerated networking Select	Off.
Place this virtual machine behind an existing load balancing solution?	No.

8. Click **Next: Management**.

Management-Configure monitoring and management options	Settings
Boot Diagnostics	On.
Diagnostics storage account	Select a diagnostic storage account or create a new one.
System assigned managed identity	Off.
Login with AAD credentials	<i>Optional.</i>
Enable auto-shutdown	Off.

9. Click **Next: Advanced**

Leave default settings as is. The default Network Security Group assigned to the instance allows inbound traffic from TCP port 22, TCP port 443, and all outbound traffic. It is highly recommended that you modify the default Network Security Group and allow only inbound traffic from your network.

10. Click **Next: Tags**

Optionally, you may assign a tag to the Orchestrator.

11. Click **Next: Review + Create**.

12. Review VM details, and click **Create**.

The Azure Dashboard appears as the Orchestrator begins to deploy. To view the progress of the deployment, go to your Resource Group and click the **Orchestrator VM**.

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:** Enter the username that you used to deploy the Orchestrator VM.
  - **Password:** Enter the password used (or the SSH public key) that you used to deploy the Orchestrator VM.

[Another way to access the terminal of the Orchestrator is via the serial console option on the Azure Portal.](#)

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 in to the Orchestrator.
  - **Username:** `admin`
  - **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](#).