

# Edge Management

A DRAFT



You can find the most up-to-date technical documentation on the VMware website at:

<https://docs.vmware.com/>

BETA DRAFT

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# Contents

Contents .....	3
Edge Management with New Orchestrator UI .....	4
Software & Firmware Images .....	6

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# Edge Management with New Orchestrator UI

Edge Management feature allows you to configure general settings and authentication for an Edge. It allows you to activate or deactivate configuration updates for an Edge. You can also select a default Software & Firmware Image.

- 1 In the Enterprise portal, click **Service Settings > Edge Management**.
- 2 You can configure the following options and click **Save Changes**.

## Edge Management

▼ General Edge Settings

Edge Link Down Limit ⓘ  Customize (default 1 day)

Number of days

▼ Edge Authentication

Default Certificate  Certificate Acquire  Certificate Deactivated  Certificate Required

Edge Authentication ⓘ ACTIVATE SECURE EDGE ACCESS

▼ Device Secret Encryption

Enable Encrypt Device Secrets ⓘ ENABLE FOR ALL EDGES

▼ Configuration Updates

Enable Edge Configuration Updates  On

When this option is set to on, configuration updates are actively pushed to Edges. When this option is turned off, pending configuration changes are paused until the setting is turned back on. Note: Edge configuration updates are disabled by default during Orchestrator upgrades.

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Enable Configuration Updates Post-Upgrade  Off

This option allows the customer to control when post-Orchestrator upgrade configuration changes are applied to their Edges. During an Orchestrator upgrade, the Operator managing the upgrade pauses all Edge configuration updates automatically, and after the upgrade the Operator resumes these Edge configuration updates. When this option is turned off, the customer prevents the Operator from automatically resuming Edge configuration updates after the Orchestrator is upgraded, and these Edge configuration updates would only resume once the customer turned this setting back on.

▼ Software & Firmware Images

Is Default?	Operator Profile	Software & Firmware Images	Description	Used by
<input checked="" type="checkbox"/>	3-site-Operator	5.2.0.0 (build R5200-20230323-MH-feOc2...		0
<p>▼ <b>3-site-Operator</b></p> <p>Description:</p> <p>Software Image: <b>5.2.0.0 (build R5200-20230323-MH-feOc25d5bf)</b></p> <p>Platform Firmware: <b>None (do not update)</b></p> <p>Modem Firmware: <b>None (do not update)</b></p> <p>Factory Image: <b>None (do not update)</b></p> <p>ConfigurationType: <b>Segment Based</b></p> <p>Orchestrator FQDN Address:</p> <p>Orchestrator IPv4 Address: <b>10.81.117.120</b></p> <p>Orchestrator IPv6 Address:</p> <p>Heartbeat Interval: <b>5 seconds</b></p> <p>Time Slice Interval: <b>30 seconds</b></p> <p>Stats Upload Interval: <b>30 seconds</b></p>				

1 - 1 of 1 items

Option	Description
<b>General Edge Settings</b>	
Edge Link Down Limit	You can set this value for each Edge by selecting the <b>Customize</b> check box. This overrides the value set through the system property <code>edge.link.show.limit.sec</code> .
Number of days	Enter a value in the range <b>1</b> to <b>365</b> . The default value is <b>1</b> .
<b>Edge Authentication</b>	

Option	Description
Default Certificate	<p>Choose the default option to authenticate the Edges associated to the Customer.</p> <ul style="list-style-type: none"> <li>■ <b>Certificate Acquire:</b> This option instructs the Edge to acquire a certificate from the certificate authority of the SD-WAN Orchestrator, by generating a key pair and sending a certificate signing request to the Orchestrator. Once acquired, the Edge uses the certificate for authentication to the SD-WAN Orchestrator and for the establishment of VCMP tunnels.</li> </ul> <p><b>Note</b> Only after acquiring the certificate, the option can be updated to <b>Certificate Required</b>.</p> <ul style="list-style-type: none"> <li>■ <b>Certificate Deactivated:</b> This option instructs the Edge to use a pre-shared key mode of authentication.</li> <li>■ <b>Certificate Required:</b> This option is selected by default, and it instructs the Edge to use the PKI certificate. Operators can change the certificate renewal time window for Edges using system properties. For more information, contact your Operator.</li> </ul> <p><b>Note</b> On clicking <b>Save Changes</b>, you are asked to confirm if the selected Edge authentication setting is applicable to all the impacted Edges or only the new Edges. By default, <b>Apply to all Edges</b> check box is selected.</p>
Edge Authentication	Click the <b>Activate Secure Edge Access</b> button to allow the user to access Edges using Password-based or Key-based authentication. You can activate this option only once. But you can switch to either Password-based or Key-based authentication any number of times.
<b>Device Secret Encryption</b>	

Enable Encrypt Device Secrets	<p>Click the <b>Enable For All Edges</b> button to activate device secret encryption for all the Edges in the current Enterprise. This action causes restart of all the Edges. However, Edges which already have this feature activated are not affected.</p> <p><b>Note</b> You can activate this option for individual Edges at the time of creating a new Edge.</p>
<b>Configuration Updates</b>	

Option	Description
Disable Edge Configuration Updates	By default, this option is activated. This option allows you to actively push the configuration updates to Edges. Slide the toggle button to turn it Off.
Enable Configuration Updates Post-Upgrade	By default, this option is deactivated. This option allows you to control when post-Orchestrator upgrade configuration changes are applied to their Edges. Slide the toggle button to turn it On.

## Software & Firmware Images

You can view the details of the listed images and select the default image.

### Note

- To view this section, go to **Global Settings > Customer Configuration > SD-WAN Configuration**, and then select the **Allow Customer to manage software** check box.
- Only an Operator can add, delete, or edit an image. For more information, see the topic *Platform Firmware and Factory Images with New Orchestrator UI*, in the *VMware SD-WAN Operator Guide*.