



## Deployment Options

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### HyperFlex Edge Deployment Options

HyperFlex Edge can be deployed using Cisco Intersight from the cloud or by using the on-premises installer appliance. You can choose between the following two options depending on your requirements:

- **HyperFlex On-Premises OVA Installer**—Use this option for on-premises Edge deployments for three and four node clusters. This type of deployment supports all three network topologies, and requires download and installation of the appliance along with local network access.



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**Note** Use of HyperFlex OVA installer is not supported for two node HyperFlex Edge and any M6 node edge cluster deployments.

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- **Intersight Installer**—Use this option for Edge to deploy HyperFlex Edge from the cloud. This deployment option supports all Edge cluster sizes and network topologies.



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**Note** Deployment of 2-node edge clusters and NIC-Based clusters is supported from Intersight only.

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This guide covers deployment using the on-premises OVA installer only.

To deploy an HyperFlex Edge cluster using Cisco Intersight, see [Cisco HyperFlex Systems Installation Guide for Cisco Intersight](#) for detailed deployment instructions. The Cisco Intersight HX installer rapidly deploys HyperFlex Edge clusters. The installer constructs a pre-configuration definition of your cluster, called an HX Cluster Profile. This definition is a logical representation of the HX nodes in your HX Edge cluster. Each HX node provisioned in Cisco Intersight is specified in a HX Cluster profile.



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**Note** Each cluster should use a unique storage data VLAN to keep all storage traffic isolated. Reuse of this VLAN across multiple clusters is highly discouraged.

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**Note** Due to the nature of the Cisco VIC carving up multiple vNICs from the same physical port, it is not possible for guest VM traffic configured on vswitch-hx-vm-network to communicate L2 to interfaces or services running on the same host. It is recommended to either a) use a separate VLAN and perform L3 routing or b) ensure any guest VMs that need access to management interfaces be placed on the vswitch-hx-inband-mgmt vSwitch. In general, guest VMs should not be put on any of the HyperFlex configured vSwitches except for the vm-network vSwitch. An example use case would be if you need to run vCenter on one of the nodes and it requires connectivity to manage the ESXi host it is running on. In this case, use one of the recommendations above to ensure uninterrupted connectivity.

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