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Introduction

Cisco Intersight offers flexible deployment either as Software as a Service (SaaS) on Intersight.com or running on your premises as Cisco Intersight Virtual Appliance. The virtual appliance provides the benefits of Cisco Intersight while allowing more flexibility for those with additional data locality and security requirements. The Cisco Intersight connected Virtual Appliance software can be deployed on premises, allowing users to take advantage of the SaaS functionality. The Private Virtual Appliance can be deployed on premises with further security restrictions.

Cisco Intersight Assist helps you add endpoint devices to Cisco Intersight. A datacenter could have multiple devices that do not connect directly with Cisco Intersight. Any device that is supported by Cisco Intersight but does not connect directly with it, will need a connection mechanism. Cisco Intersight Assist provides that connection mechanism, and helps you add devices into Cisco Intersight.

The guide provides an overview of how to install and set up Cisco Intersight Virtual Appliance and Cisco Intersight Assist in your environment.

New and Changed Information

The following table provides an overview of the significant updates for the new features and functionality documented in this guide:

Table 1: New and Changed Features and Functionality

When Updated	Feature/Functionality	Description	Where Documented
March 2024	Metrics Collection	Added information in the table about the supported configuration limits for the Metrics Collection feature.	Supported Configuration
	Local users	Updated task to include information on how to add local users.	Adding a User
	Reset password of local users	Added a new section that includes information about how to reset the password of local users.	Resetting the Password of Local Users
	Lockout local users account	Added a new task that describes the lockout of local users accounts feature. Updated the table in Step 4 to add the fields required for configuring the lockout of local users account feature.	Locking Out Local Users Accounts Configuring Password Policy for Local Users
December 2023	Backup Retention	Updated task to include information about the steps to follow for enabling backup retention.	Scheduling Backup
	Support for CIFS protocol	Updated task to include information pertaining to support for the CIFS protocol.	Creating a Backup
	Backup Retention Scenarios	Added a new table that describes the various backup retention scenarios and the expected outcomes.	Backup Retention Scenarios
	Port Requirements	Updated the topic to include port 9094 as a requirement for Intersight Virtual Appliance communication.	Port Requirements

When Updated	Feature/Funtionality	Description	Where Documented
October 2023	Resource requirements for existing appliance deployments.	New task includes information about resource requirements for existing appliance deployments as well as disk size requirements for VMware vSphere installations.	VM Resource Requirements for Existing Appliance Deployments
	Migration Path to expand existing single-node appliance deployment to multi-node cluster configuration.	New task that includes step on how to expand an existing single-node appliance deployment to a multi-node cluster configuration.	Migration Path for Expanding Existing Single-Node Deployment to Multi-Node Cluster Configuration
	Configuring External Syslog	Updated the task to include information that it is now possible to configure up to five external syslog servers.	Configuring External Syslog
	SSL Certificates	Updated task to include information about switching to a self-signed certificate.	Adding SSL Certificates
	Appliance Alarms	Updated information in the table for the appliance alarms.	Alarms
	Single Sign-on	Updated the "IdP Requirements" section to include information for multi-node cluster configuration.	Single Sign-On with Intersight Virtual Appliance
July 2023	Collecting a Tech Support Bundle From Intersight Virtual Appliance	Added support for collecting tech support bundles for Intersight Connected Virtual Appliance.	Technical Assistance
	Configuring Cisco TAC Support Using a Serial Console	Added new task to configure Cisco TAC Support using a serial console.	Configuring Cisco TAC Support Using a Serial Console
	Reserved IP Address Range Requirements	Updated information in this section	Reserved IP Address Range Requirements

When Updated	Feature/Funtionality	Description	Where Documented
February 2023	Multi-Node Cluster Deployment This feature is currently in Tech Preview. Tech Preview provides a preview of a functionality that is still under development. The Tech Preview features are not intended to be used in production environments. These features, including their GUI and API interfaces, may change between Tech Preview and General Availability. To provide your feedback for the tech preview, send an email to intersight-preview@icm.com	Added a new task that provides information on how to configure a multi-node cluster for Intersight Virtual Appliance.	Configuring a Multi-Node Cluster for Intersight Virtual Appliance
		Added a new task that provides information on how to replace a node in the multi-node cluster for Intersight Virtual Appliance.	Replacing a Node in the Multi-Node Cluster for Intersight Virtual Appliance
January 2023	Reserved IP Address Range Requirements	Added new section to include information about the requirements for reserved IP address range.	Reserved IP Address Range Requirements
November 2022	Configuring External Syslog	Updated the Configuring External Syslog task to include support for exporting all Intersight alarms to the configured external syslog server.	Configuring External Syslog
	Supported Configuration Limits	Updated content to include information for large deployments.	Supported Configuration Limits for Intersight Virtual Appliance

When Updated	Feature/Funtionality	Description	Where Documented
April 2022	Intersight Virtual Appliance Monitoring	Added a note in the Intersight Virtual Appliance Monitoring section to specify that UCS C-Series server-related faults are not forwarded by the Connected Virtual Appliance to an external syslog server.	Intersight Virtual Appliance Monitoring
	Configuring External Syslog	Added a note in the Configuring External Syslog task to specify that UCS C-Series server-related faults are not forwarded by the Connected Virtual Appliance to an external syslog server.	Configuring External Syslog
January 2022	High Availability and Disaster Recovery	This guide now includes information about how to leverage High Availability using a vendor-provided solution. It also includes information about disaster recovery using the existing Backup and Restore functionality in Intersight Virtual Appliance as well as other third-party solutions.	High Availability and Disaster Recovery for Cisco Intersight Virtual Appliance
December 2021	Merge the Intersight Assist Getting Started Guide content with the Intersight Virtual Appliance Getting Started Guide	This guide now includes installation and set-up information for both Intersight Virtual Appliance and Intersight Assist.	About Cisco Intersight Virtual Appliance About Cisco Intersight Assist
November 2021	Configuring Account Settings	Updated the Configuring Account Settings task to include information about the Audit Logs Retention Period field.	Configuring Account Settings
October 2021	Setting Up Intersight Virtual Appliance	Added new tasks for setting up Intersight Connected Virtual Appliance, Intersight Private Virtual Appliance, and Intersight Assist.	Setting Up Intersight Virtual Appliance
	Recovering Intersight Virtual Appliance	Added new tasks that provides information on how to recover Intersight Virtual Appliance.	Recovering Intersight Virtual Appliance
	Updating the Intersight Virtual Appliance Software	Added tasks that provide information on how to update Intersight Connected Virtual Appliance and Intersight Private Virtual Appliance.	Updating the Intersight Virtual Appliance Software

When Updated	Feature/Funtionality	Description	Where Documented
July 2021	Enhancement to Intersight Virtual Appliance Settings	Updated the configuring external syslog task to include support for UDP and TCP protocols, in addition to the existing TLS protocol.	Configuring External Syslog
		Updated the role creation task to include information on configuring the maximum number of concurrent sessions per role.	Adding a Role
May 2021	Enhancement to Intersight Virtual Appliance Settings	Updated the task that provides information on how to download software packages for Intersight Virtual Appliance.	Downloading Software Packages for Intersight Virtual Appliance
	Configuring NTP Servers	Updated the task that provides information on how to configure a NTP server.	Configuring NTP
February 2021	Enhancements to Intersight Virtual Appliance Settings	Added a new task that includes information about configuring password policy for local users. Added a new task that includes information about configuring a banner message for displaying before the login screen.	Configuring Password Policy for Local Users Configuring a Banner Message for Displaying Before the Login Screen
	Installing Appliance on KVM Hypervisor	Added a new task that provides information on how to install Cisco Intersight Virtual Appliance on KVM Hypervisor.	Installing Cisco Intersight Virtual Appliance and Intersight Assist on KVM Hypervisor
January 2021	Enhancement to Intersight Virtual Appliance Settings	Added a new task that includes information about updating Intersight Intelligence for Intersight Virtual Appliance.	Updating Intersight Intelligence for Intersight Connected Virtual Appliance
October 2020	Enhancement to Intersight Virtual Appliance Settings	Added a new task that includes information about configuring external syslog.	Configuring External Syslog
	Support for IPv6 for endpoints	Updated this section to include information about configuring IP addresses.	Maintenance Shell for Intersight Virtual Appliance and Intersight Assist

When Updated	Feature/Funtionality	Description	Where Documented
July 2020	Licensing requirements	Updated this section to include licensing requirements for Intersight Private Virtual Appliance.	Licensing Requirements for Intersight Virtual Appliance
	Technical assistance	Added a new section that includes information about collecting tech support bundles from Intersight Virtual Appliance.	Technical Assistance
	Installing Appliance on Microsoft Hyper-V Server	Added a new task that provides information on how to install Cisco Intersight Virtual Appliance on Microsoft Hyper-V Server.	Installing Cisco Intersight Virtual Appliance and Intersight Assist on Microsoft Hyper-V Server
	Creating Private Appliance Account	Added a new task that provides information about creating a Private Appliance Account for downloading software packages for Intersight Private Virtual Appliance deployments.	Creating an Appliance Account for Downloading Software Packages
	Downloading Software Packages	Added a new task that provides information about downloading software packages for Intersight Private Virtual Appliance deployments.	Downloading Software Packages for Intersight Virtual Appliance
	Uploading Software Packages	Added a new task that provides information about uploading software packages for Intersight Private Virtual Appliance deployments.	Uploading Software Packages for Intersight Private Virtual Appliance
March 2020	Configuration selection	Added a step to the existing procedure.	Installing Cisco Intersight Virtual Appliance and Intersight Assist on VMware vSphere
	Supported Configuration Limits for Intersight Virtual Appliance	The newly added Tiny(8 vCPU, 16 Gi RAM) option is applicable for Intersight Assist deployments only.	Supported Configuration Limits for Intersight Virtual Appliance
February 2020	LDAP Configuration	Added support for multiple LDAP domains. Added support for LDAP/AD configurations without requiring email.	Configuring LDAP Settings
	Change IP address	Added the ability to change IP address of the virtual appliance VM.	Maintenance Shell for Intersight Virtual Appliance and Intersight Assist

When Updated	Feature/Funtionality	Description	Where Documented
January 2020	Organizations	Organizations to support multi-tenancy in an account and the ability to create user-defined roles with system-defined privileges.	Adding a Role, and Adding an Organization
	Certificates	Allow user-submitted certificates and ability to create a self-signed certificate.	Certificates
December 2019	Supported Configuration Limits for Intersight Virtual Appliance	Intersight Virtual Appliance can be deployed in Small or Medium deployment sizes to support 2000 or 5000 servers.	Supported Configuration Limits for Intersight Virtual Appliance
	Graceful reboot of the Appliance VM	Intersight Virtual Appliance can be gracefully rebooted from the Intersight Appliance Diagnostic Tool.	Intersight Appliance Diagnostic Tool
July 2019	Alerts based on Cloud Connection	Enhanced messages to alert users about cloud connectivity and impact of a disrupted connection.	Cloud Connection for Intersight Connected Virtual Appliance
	Intersight Appliance Diagnostic tool	A console-based diagnostic tool that helps in troubleshooting and addressing misconfiguration or networking issues during the appliance installation.	Troubleshooting
June 2019	Support for DHCP	Enables the appliance to obtain IP addresses from the DHCP server running on the same network to avoid using static IP addresses.	Installing Cisco Intersight Virtual Appliance
	Scheduling Backup	Schedules a full state periodic backup of the data in the appliance based on a schedule and saves the backed-up data on a remote server.	Scheduling Backup