

Release Notes for Cisco Catalyst SD-WAN Control Components Release 20.11.x

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Note

To achieve simplification and consistency, the Cisco SD-WAN solution has been rebranded as Cisco Catalyst SD-WAN. In addition, from Cisco IOS XE SD-WAN Release 17.12.1a and Cisco Catalyst SD-WAN Release 20.12.1, the following component changes are applicable: Cisco vManage to Cisco Catalyst SD-WAN Manager, Cisco vAnalytics to Cisco Catalyst SD-WAN Analytics, Cisco vBond to Cisco Catalyst SD-WAN Validator, and Cisco vSmart to Cisco Catalyst SD-WAN Controller. See the latest Release Notes for a comprehensive list of all the component brand name changes. While we transition to the new names, some inconsistencies might be present in the documentation set because of a phased approach to the user interface updates of the software product.

Related References

- Cisco Catalyst SD-WAN Control Components Compatibility Matrix and Server Recommendations
- Cisco Catalyst SD-WAN Device Compatibility

User Documentation

- User Documentation for Cisco IOS XE Catalyst SD-WAN Release 17
- User Documentation for Cisco SD-WAN Release 20

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Note

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These release notes accompany the Cisco SD-WAN Control Components, Release 20.11.x, which provides Cisco Catalyst SD-WAN capabilities. They include release-specific information for Cisco Catalyst SD-WAN Controllers, Cisco Catalyst SD-WAN Validators, Cisco SD-WAN Manager as applicable to Cisco SD-WAN Manager.

Related Releases

For release information about Cisco IOS XE Catalyst SD-WAN devices, refer to Release Notes for Cisco IOS XE Catalyst SD-WAN devices, Cisco IOS XE Catalyst SD-WAN Release 17.11.x.

What's New for Cisco Catalyst SD-WAN Control Components Release 20.11.x

Cisco is constantly enhancing the Cisco Catalyst SD-WAN solution with every release and we try and keep the content in line with the latest enhancements. The following table lists new and modified features we documented in the Configuration, Command Reference, and Hardware Installation guides.

Table 1: Cisco IOS XE Catalyst SD-WAN Release 17.11.1a

Feature	Description
Cisco Catalyst SD-V	WAN Getting Started Guide
Support for Specifying Any Organization for WAN Edge Cloud Device Enterprise Certificates	When configuring controller certificate authorization for enterprise certificates on WAN edge cloud devices, you can specify any organization in the Organization field. You are not limited to organization names such as Cisco Systems . This feature enables you to use your organization's certificate authority name or a third-party certificate authority name.

Feature	Description
SMU Support for Cisco ISR1100 and ISR1100X Series Routers	Added SMU support for Cisco ISR1100 and ISR1100X Series Routers.
Cisco Catalyst SD-V	VAN Systems and Interfaces
Cisco Catalyst SD-WAN Remote Access Configuration	This feature enables you to configure a remote access feature in system profile of the configuration groups. You can configure the following remote access parameters in system profile—Private IP Pool, Authentication, AAA Policy, IKEv2 Setting, and IPSec Settings.
Device Variable Option	This feature enables you to read or write variables from the Associate Devices page while deploying the devices.
Configuration Groups and Feature Profiles	The following new features are introduced to the Configuration Groups and Feature Profiles—Cisco Security in System Profile, IPV4-Device-Access-Policy in System Profile, IPV6-Device-Access-Policy in System Profile, OSPF Routing in Transport Profile, VPN Interface GRE in Transport Profile, IPSEC in Transport Profile, Tracker Group in Transport Profile, GPS in Transport Profile, IPSEC in Service Profile, Tracker in Service Profile, Tracker Group in Service Profile, UCSE in Other Profile, AppQoE in Other Profile, Remote Access feature in System Profile.
Support for Software Defined Remote Access Pools	Remote access refers to enabling secure access to an organization's network from devices at remote locations. The resource pool manager manages the IPv4 and IPv6 private IP address pools for Cisco Catalyst SD-WAN remote access devices.
	You can create a software defined remote access pool using the Configuration > Network Hierarchy page.
TLOC Extension Over IPv6	This feature enables the support of TLOC extension for IPv6.
GRE-in-UDP	This feature enables you to configure GRE-in-UDP tunnel.
Assigning Roles Locally to a User Defined by an Identity Provider for SAML SSO	If you are using an identity provider, such as Okta, for security assertion markup language (SAML)-based single sign-on (SSO), then you can define user roles through the identity provider. This feature enables you to assign user groups locally in Cisco SD-WAN Manager, when no roles are defined for the user by the identity provider.
Cisco Catalyst SD-V	VAN Policies
Log Action for both Localized and Centralized Data Policies	With this feature, you can set log action parameter for data policy, application route policy and localized policy while configuring data policies on Cisco IOS XE Catalyst SD-WAN devices. The log parameter allows packets to get logged and generate syslog messages. Logs are exported to external syslog every five mins when flow is active. Logs are exported to external syslog server only when one is configured in the system, or else only console logging is done. Policy logs further can be controlled as per the configured rate. A new command policy log-rate-limit is introduced to support this feature.

Feature	Description
QoS for Router Generated Cisco SD-WAN Manager Traffic	This feature helps you to prioritize or queue router-generated Cisco SD-WAN Manager traffic based on your specific requirements. Achieve routing vManage traffic through a queue of your choice using QoS policies and configuring class maps.
Cisco Catalyst SD-V	VAN Security
IPv6 Support for Zone-based Firewall	This feature adds support for configuring IPv6 Zone-based Firewall (ZBFW) in addition to the existing IPv4 ZBFW.
Security Logging Enhancements	This feature allows you to configure up to four destination servers to export the logs, and an option to specify a source interface for high-speed logging (HSL). The IP addresses for the destination servers can be IPv4, IPv6, or both.
Security Logging Enhancements	This feature enhances the capability of UTD logging in a unified security policy. When you configure UTD logging for exporting the UTD logs to an external syslog server, you can now specify the source interface from where the UTD syslog originate from.
Cisco Umbrella Multi-Org Support	This feature supports management of multiple organizations through a single parent organization. With this feature, Cisco Catalyst SD-WAN and umbrella for SIG supports different security policy requirements for different regions of the Cisco Catalyst SD-WAN network.
Cisco Catalyst SD-V	WAN Cloud OnRamp
Support for Multiple Virtual Hubs per Region	You can create multiple virtual hubs in a single Azure region.
Audit Management	The audit management feature helps in understanding if the interconnect cloud and provider connection states are in sync with the Cisco SD-WAN Manager connection state. The State refers to the various connection statuses that Cisco SD-WAN Manager establishes with cloud services and providers. The audit helps in identifying the gaps or disconnects between Cisco SD-WAN Manager intent and what is realized in the cloud.
Cisco Catalyst SD-V	VAN Monitor and Maintain
Security Dashboard Enhancements	This features introduces enhancements to the security dashboard in Cisco SD-WAN Manager.
	The security dashboard introduces a drop-down list Actions that enables you to edit the security dashboard and reset the security dashboard to the default view when you have modified the security dashboard, view the SecureX ribbon once it is configured.
	Additionally, you can access the Cisco Talos portal from Cisco SD-WAN Manager. A hyperlink of the Cisco Talos portal is added to the security dashboard.
SCM Integration Improvements	With this feature, you can access Support Case Manager (SCM) wizard using Cisco SD-WAN Manager. You can create, view, or edit the support cases directly from Cisco SD-WAN Manager without having to go to a different Case Manager portal.

Feature	Description
Grouping of Alarms	Alarms are filtered and grouped for devices and sites based on severity.
	View alarm details for a single site in the Overview dashboard.
	View alarms for a particular device by clicking the icon in the Monitor > Devices window.
	View the top five alarms for a particular site in the Monitor > Overview window by choosing the Site Topology view icon and clicking the site.
	The Related Event column is added to the alarms filter.
Grouping of Events	Events are filtered and grouped based on severity for devices and sites.
	View events for a particular device by clicking the icon in the Monitor > Devices window.
	View the top five events for a particular site in the Monitor > Overview window by choosing the Site Topology view icon and clicking the site.
Automatically Determine File Attributes for a Remote Virtual Image File	When you specify a remote virtual image file, Cisco SD-WAN Manager can extract the necessary image file attributes from the filename.
Unified Debug Condition To Match IPv4/IPv6 Over MPLS	This feature introduces a debug condition to identify and resolve issues related to matching IPv4/IPv6 traffic over an MPLS network.
Packet Trace	This feature offers the following enhancements to packet trace:
Improvements	 A new command how platform packet-trace fia-statistics, available on Cisco IOS XE Catalyst SD-WAN devices, displays Feature Invocation Array (FIA) statistics in a packet trace. In FIA statistics, you can find data about a feature's count, the average processing time, the minimum processing time, and the maximum processing time.
	View label information for the Multiprotocol Label Switching (MPLS) feature in packet trace.
Download Output of OMP Routes	You can download the output of the OMP Received Routes or OMP Advertised Routes real time commands on Cisco IOS XE Catalyst SD-WAN device.
Cisco Catalyst SD-V	VAN SNMP
Application Route SNMP Trap	Cisco IOS XE Catalyst SD-WAN device support the AppRouteSlaChange SNMP trap which is generated when a change in SLA class is detected.
Cisco Catalyst SD-V	VAN NAT
Destination NAT Support	This feature changes the destination address of packets passing through WAN edge devices. Destination NAT is used to redirect traffic destined to a private address to the translated destination public IP address.

Feature	Description
Port Forwarding	This feature supports port forwarding with NAT DIA by using a loopback interface.
with NAT DIA Using a Loopback Interface	You can configure a loopback interface by either using device CLI templates or CLI add-on feature templates.
ALG Support Enhancement for NAT DIA and Zone-Based Firewalls	The ALG support for NAT DIA is extended for the following protocols—Trivial File Transfer Protocol (TFTP), Point-to-Point Tunneling Protocol (PPTP), Sun Remote Procedure Call (SUNRPC), Skinny Client Control Protocol (SCCP), H.323.
Support for IPv6	NAT DIA tracker is now supported on IPv6 interfaces.
DIA Tracker	You can configure IPv6 DIA tracker using the IPV6-Tracker and IPV6-Tracker Group options under transport profile in configuration groups.
Cisco Catalyst SD-V	VAN Multi-Region Fabric (also Hierarchical SD-WAN)
Support for Affinity Groups for Service Routes and TLOC Routes	This feature extends support affinity group assignments to service routes and TLOC routes. A common use case is to add further control to routing by using affinity group preference together with control policies that match service routes and TLOC routes.
Set Affinity Group by Control Policy	You can configure a control policy to match specific TLOCs or routes and assign them an affinity group value, overriding the affinity group that they inherit from the router.
Route Aggregation on Border Routers and Transport Gateways	With this feature, you can configure route aggregation on border routers and transport gateways in a Multi-Region Fabric network environment. For a border router, you can optionally specify whether the route aggregation operates only for the router's core region or access region.
Cisco Catalyst SD-V	VAN Routing
Support for MSDP to Interconnect Cisco Catalyst SD-WAN and Non-SD-WAN	This feature enables Multicast Source Discovery Protocol (MSDP) interoperability between Cisco IOS XE Catalyst SD-WAN devices in Cisco Catalyst SD-WAN and the devices in a non-SD-WAN setup.
Cisco SD-WAN Controller Route Filtering by TLOC Color	Cisco SD-WAN Controller can reduce the number of routes that they advertise to routers in the network, to exclude routes that are not relevant to a particular device. The filtering to reduce the number of routes is based on the colors of TLOCs on each device. For example, a route to a public TLOC is not relevant to a router that only has private TLOCs. Advertising fewer routes helps to avoid reaching the send path limit for routers in the network.
Cisco Catalyst SD-V	VAN Bridging
Layer 2 and Layer 3 Flex Port Support	Cisco SD-WAN Manager provides flex support on Layer 2 switchports on Cisco IOS XE Catalyst SD-WAN devices, allowing flexibility for LAN ports at Layer 2 to be converted to Layer 3 ports. You can configure the flex ports on Layer 2 as Layer 3 ports using feature profiles and CLI add-on profile.

Feature	Description
Cisco Catalyst SD-V	VAN AppQoE
UCS-E Series Next Generation Support for Deploying Cisco Catalyst 8000V	With this feature, you can deploy Cisco Catalyst 8000V instances, on supported routers, using the UCS-E series blade server modules. With this feature, the UCS-E1100D-M6 server module is supported.
Cisco Catalyst SD-V	VAN Commands
show tech-support sdwan bfd	This feature adds support for displaying BFD information on Cisco IOS XE Catalyst SD-WAN devices.

Table 2: Cisco Catalyst SD-WAN Control Components Release 20.11.1

Feature	Description
Co-Management: Improved Granular Configuration for Resource group features	To enable a user to self-manage specific configuration tasks, you can assign the user permissions to perform specific configuration tasks while excluding other tasks.
	This feature introduces new permission options for the following configuration groups and feature profiles.
	AppQoE under other feature profile
	GPS under transport feature profile
	Cisco VPN Interface GRE under WAN/LAN profile.
	Cisco VPN Interface IPsec under WAN profile.
	Cisco Multicast under LAN profile.
	UCSE under other feature profile.
	IPv4 Tracker and Tracker Group under transport and service feature profiles.
	IPv6 DIA Tracker and Tracker Group, under transport feature profile.
SCM Integration Improvements	This feature allows you to access Support Case Manager (SCM) wizard using Cisco SD-WAN Manager. You can create, view, or edit the support cases directly from Cisco vManage without having to go to a different Case Manager portal.
Cisco Catalyst SD-WAN Monitor and Maintain	
Enhancement to On-Demand Troubleshooting	You can view the detailed troubleshooting progress of the flow of traffic from a device.

Feature	Description
View Sites in Global Topology View	You can view all sites or a single site in global topology view for geographical regions worldwide by clicking the inverted-drop-shaped icon on the Monitor Overview dashboard.
Cisco Catalyst SD-WAN Getting Started C	Guide
CRL-Based Quarantine	This feature enables you to quarantine SD-WAN edge devices based on a certificate revocation list that Cisco SD-WAN Manager obtains from a root certificate authority.

Important Notes, Known Behaviors, and Workarounds

• If your ConfigDB (Neo4j) username contains a – (hyphen), the ConfigDB upgrade fails, for example, db-admin. Remove the hyphen before you upgrade the ConfigDB.

Cisco SD-WAN Manager Upgrade Paths

For information about Cisco SD-WAN Manager upgrade procedure, see Upgrade Cisco SD-WAN Manager Cluster.

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Cisco	Destination Version												
D-WAN ¹ Manager Version	2.x 20.1.x	20.3.x	20.4.x	20.5.x	20.6.x	20.7.x	20.8.x	20.9.x	20.10.x	20.11.x			
/ersion 20.8.x	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Not Supported	Direct Upgrade	Step upgrade from 20.9.x For cluster upgrade procedure using CLI: request nms ofgrand upgrade Note	from 20.9.x For cluster upgrade procedure using CLI: request nms			

Starting	Destina	tion Versi	ion								
Cisco SD-WAN Manager Version	19.2.x	20.1.x	20.3.x	20.4.x	20.5.x	20.6.x	20.7.x	20.8.x	20.9.x	20.10.x	20.11.x
20.9.x	Not Supported	Direct upgrade	Direct Upgrade								
										For	For
										cluster upgrade	cluster upgrade
										procedure	
										using CLI:	using CLI:
										request	_
										nms orfiránd	nms orfgránds
										upgrade	_
										Note	NoteWe 1
											the c
											in th than
											5GB
											requ
											conf
											diag
											com
											the c
											This only
											of de
											Cisc
											Man
											20.1
20.10.x	Not	Direct									
	Supported										

To check the free disk space using CLI,

- **1.** Use the vshell command to switch to vshell.
- 2. In vshell, use the df -kh | grep boot command.

Cluster upgrade must be performed using CLI

- The cluster upgrade procedure must be performed only on one node in the cluster
- Enter login credentials, if prompted. Login credentials are prompted if all Cisco SD-WAN Manager server establish control connection with each other. After a successful upgrade, all configuration-db services are UP across the cluster and the application-server is started. Enter login credentials, if prompted. Login credentials are prompted if all Cisco SD-WAN Manager server establish control connection with

each other. After a successful upgrade, all configuration-db services are UP across the cluster and the application-server is started.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.x

This section details all fixed and open bugs for this release. These are available in the Cisco Bug Search Tool through the Resolved Bug Search.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.1.2

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.1.2

Identifier	Headline
CSCwf76218	Cisco Catalyst SD-WAN Manager Unauthenticated REST API Access Vulnerability.
CSCwf82344	Cisco Catalyst SD-WAN Manager Unauthenticated REST API Access Vulnerability.
CSCwf68936	Cisco SD-WAN vManage Authorization Bypass Vulnerability
CSCwf55823	Cisco Catalyst SD-WAN Manager Authorization Bypass Vulnerability

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.1.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Releases 20.11.1.1

Identifier	Headline
CSCwf28118	Cisco vEdge: Certificate issue on Cisco vEdge devices

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.1

Identifier	Headline
CSCwd95581	VRRP timer in Cisco SD-WAN Manager UI - default 100ms
CSCwc61501	OIB: Cisco SD-WAN Manager Restriction of special chars in Remote server pwd addition field needs to be removed
CSCwe32116	Cisco SD-WAN Manager : DSPFarm template error "Duplicate value:mediaresourcegroupname"
CSCwd79186	Cisco SD-WAN Manager generating corrupted TAR file for config-db backup on 20.3.4.0.5
CSCwe34379	Cisco SD-WAN Manager access failed when accessing Cisco SD-WAN Manager using DNS record
CSCwd90841	Cisco SD-WAN Manager Dashboard: WAN Edge Health Widget shows invalid / unconfigured edges in poor health status
CSCwd16027	Unable to generate report from Cisco SD-WAN Manager for SLP Offline mode - Error occurred while generating report

Identifier	Headline
CSCwb58176	SSO/ciscotacro/rw User Session invalidated when browser switches between Cisco SD-WAN Manager nodes in cluster
CSCwe14017	20.6.5 Cisco vBond and Cisco vSmart upgrade fail via Cisco SD-WAN Manager UI
CSCwe59364	Monitor -> Logs -> Events page is displaying only one entry partially
CSCwd62984	OMPD crashed in Cisco vSmart on ISE config removal
CSCwd96644	Not able to edit the PIM interface for Cisco IOS XE SD-WAN devices feature template.
CSCwd94301	MTT correlation engine not generating OMP Alarms from OMP Event received from Cisco vSmart
CSCwe26568	Cisco SD-WAN Manager multitenancy do not report licenses after provider credentials are changed.
CSCwd45547	Cannot set VPN ID value as 'Device Specific' on 'TACACS group' AAA feature template
CSCwe53807	[20.11.0-169] SIT setup: DR - config-db crash in the secondary cluster
CSCwd65132	Cisco vEdge Cloud Cloud Init on OpenStack : Parent Interfaces are assigned fixed IPs from Openstack
CSCwd37102	Support two Separate EIGRP Key Chains for 2 EIGRP Processes
CSCwe40153	Devices that are upgraded are marked as skipped when 1 device fails upgrade in upgrade task
CSCwc04446	Default route is not installed in the routing table of VPN 0 if the VNIC is changed in OpenStack
CSCwa77149	API call /dataservice/statistics/dpi/aggregation returns error 500
CSCwe31950	Cisco SD-WAN Manager HTTP/HTTPS Settings break DR process even after adding the Cluster IPs in the non-proxy list
CSCwd96434	Cisco SD-WAN Manager "Renew Device CSR" task cannot be opened under completed tasks
CSCwe11554	Unused System IP Pool subnet cannot be deleted
CSCwd55134	Exception handling in Cisco SD-WAN Manager code does not return details about the exception we are hitting
CSCwd60889	CPU average values reported to Cisco SD-WAN Manager are incorrect
CSCwd26472	Cisco SD-WAN Manager : DSPFarm template not accepting multiple variable fields for "CUCM Media Resource Name"
CSCwb43140	Cisco SD-WAN Manager in cluster of 6 rebooting with Software initiated - sysmgr got signal 11
CSCwe31884	RBAC Configurational Group bug on 20.9.1 Software Version
CSCwd90919	Controller server logging priority config does not take effect
CSCwd31522	20.10 :Edit of single VPC fails to do mapping as required
CSCwd23197	Default umask value needs to be changed for security reason for upgrade usease
CSCwd73212	ciscotacro and ciscotacrw login on vmanage is not creating an entry in audit log

Identifier	Headline
CSCwd69360	SIG feature template will not retain tunnel destination modified variable names Cisco SD-WAN Manager 20.6.4
CSCwc61498	vnf-ha-net reused causing HA formation to FAIL
CSCwd01820	Disaster recovery syslogs are set as information priority instead of correct priority
CSCwd46415	Cisco SD-WAN Manager deactivates active central policy using API
CSCwd52998	Nutella migration should not be allowed if there is a config-group associated with the router
CSCwe04530	Application-server keep restarting after upgrading on 20.10.1 from 20.9.2
CSCwd07860	Cisco SD-WAN Manager is redirecting to wrong IDP when same domains are used in a certain order.
CSCwd64838	[SIT]: Wrong SIG credentials were sent to device from CLI template.=> 20.10/17.10
CSCwd40824	API call /dataservice/statistics/dpi/aggregation returns error 500
CSCwd28593	Control connection flap of assigned vSmart after shutting down other assigned Cisco vSmart
CSCwd61771	Remove SDAVC cloud connector settings in tenant view
CSCwe26011	Cisco SD-WAN Manager is not generating alarm notifications to be sent to Webhooks server.
CSCwd37096	Enabled usage but prepaid consumption - Product instance "UDI_PID:Cisco_vManage
CSCvz86879	statistics/on-demand/queue POST returns 500 error even though object was created correctly
CSCwe75147	20.12: DCA connection over proxy timing out on Cisco SD-WAN Manager
CSCwd35047	Failed to ping gateway while configuring SharedLOM with console, te1 interface, until router reload
CSCvz62234	Cisco Catalyst SD-WAN Manager Unauthorized Configuration Rollback Vulnerability
CSCwd46383	Cisco SD-WAN Software Denial of Service Vulnerability

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.11.1

Identifier	Headline
CSCwe63470	Audit does not bring all tunnels up in specific scenario
CSCwe23381	Deploy fails when device has brown field BGP configuration from feature/device template.
CSCwe37804	Tenant device list is not pushed to the new Cisco SD-WAN Manager node so no control connection to device
CSCwe63222	Certificate output is not getting changed on renew when Cloud Certificate Authorization is Automated
CSCwe17455	template push failure
CSCwe51543	Stats db in boot-loop after upgrading from 20.10 to 20.11, UI inaccessible
CSCwe88453	Cisco SD-WAN Manager not including net mask for BGP for a /32
CSCwe51379	Config group and feature profiles do not have view option for operator user

Identifier	Headline
CSCwe91258	Wireless Template cannot be attached to a C1113-8PLTELAWZ device
CSCwe76283	Cloud Gateway Attachment is not shown for dedicated mode after tag is unmapped
CSCwe68861	Unable to delete device from MTT vmanage
CSCwd90586	Cisco SD-WAN Manager scrollbar is executing several API calls that slow down the performance
CSCwe53624	Cisco SD-WAN Manager: cURL may flag error on ca cert file "Error in the time fields of certificate"
CSCwe54749	Error 'Multiple tenants are active simultaneously' seen randomly on vmanage UI

Cisco Catalyst SD-WAN Control Components Compatibility Matrix and Server Recommendations

For compatibility information and server recommendations, see Cisco Catalyst SD-WAN Control Components Compatibility Matrix and Server Recommendations.

Cisco vManage API

For information on Cisco vManage Release 20.10.x APIs, see Cisco vManage Release 20.10 API. For information on APIs added, modified, deprecated, or removed in Cisco vManage Release 20.10.x, see Cisco vManage Release 20.10 API Change Log.

Cisco SD-WAN Manager GUI Changes

This section presents a comparative summary of the significant GUI changes between Cisco vManage 20.10.x and Cisco vManage Release 20.11.1.

Monitor Overview Page

In Cisco vManage Release 20.11.1, the following GUI changes have been made to the **Monitor** > **Overview** page. For more information about the **Monitor** > **Overview** page, see Cisco SD-WAN Manager Monitor Overview.

• The global topology view has been added to the page.

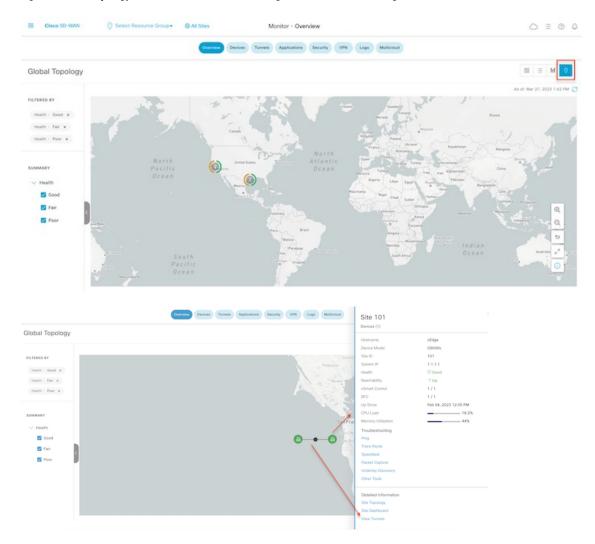


Figure 1: Global Topology View of the Monitor Overview Page in Cisco SD-WAN Manager 20.11.1

• New dashlets, WAN Edge Management in all sites and Top Alarms in single site have been added.

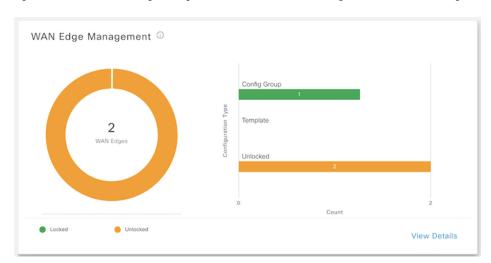
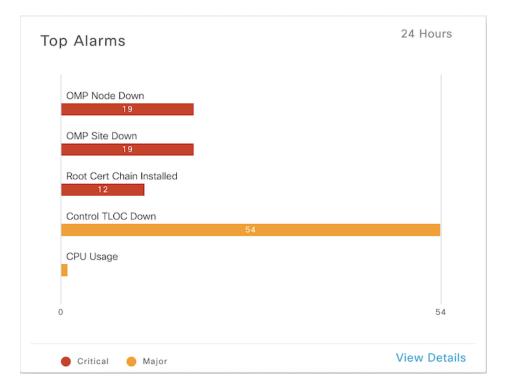


Figure 2: New Dashlet WAN Edge Management in the Monitor Overview Page in Cisco SD-WAN Manager 20.11.1

Figure 3: New Dashlet Top Alarms in the Single Site Monitor Overview Page in Cisco SD-WAN Manager 20.11.1



On-Demand Troubleshooting

In Cisco vManage Release 20.11.1, on-demand troubleshooting progress has been added to the page.



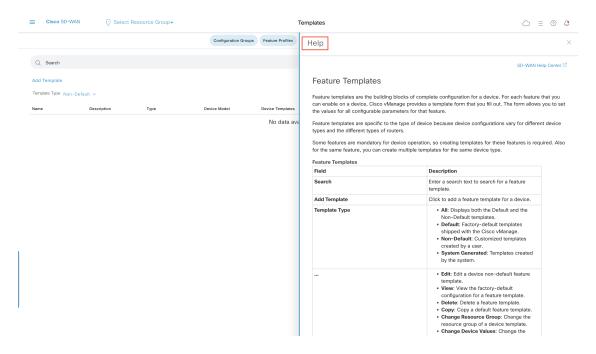
Figure 4: Enhance On-Demand Troubleshooting Processing Time in Cisco SD-WAN Manager 20.11.1

In-product Help

In a single-tenant deployment, access help content for Cisco SD-WAN Manager UI pages by clicking the **Help** icon at the top-right corner of a page. The help content is displayed in a slide-in pane in the same browser window.

Starting from Cisco SD-WAN Manager Release 20.12.x, In-product help is available for a majority of the Cisco SD-WAN Manager UI pages.

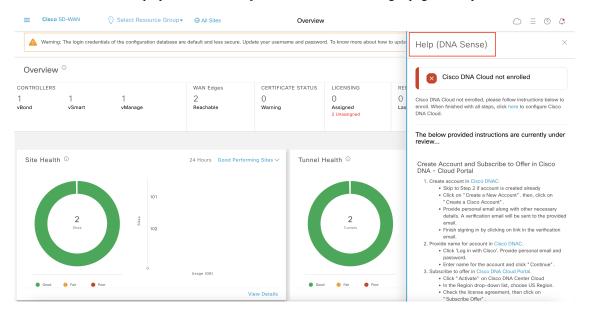
Figure 5: Help Content in a Slide-in Pane



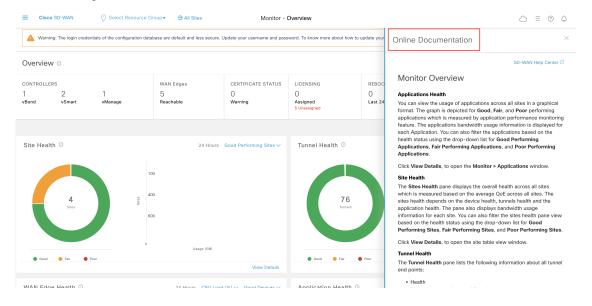
Cisco DNA Sense

Access help content for Cisco SD-WAN Manager UI pages using Cisco DNA Sense by clicking the ? icon at the top-right corner and choose **Help (DNA Sense)** from the drop-down list.

Cisco DNA Sense is not enabled by default for all the users. You should enroll and configure your Cisco SD-WAN Manager using the instructions provided in the **Help (DNA Sense)** pane. The help content from Cisco DNA Sense is displayed across all major Cisco SD-WAN Manager pages once you enroll.



If your Cisco SD-WAN Manager is already enrolled to Cisco DNA Sense, choose **Online Documentation** from the ? drop-down.



Ask Cisco Networking Bot

To access the **Cisco Networking Bot** click the **Help(?)** icon and choose **Ask Cisco Networking** from the drop-down list.

You can use Cisco Networking Bot chat to get relevant answers to your questions.



Related Documentation

- Release Notes for Previous Releases
- Software Installation and Upgrade for vEdge Routers
- Field Notices
- Recommended Releases
- Security Advisories
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