Release Notes for Cisco Catalyst SD-WAN Control Components Release 20.12.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**, **Cisco vSmart** to **Cisco Catalyst SD-WAN Controller**, and **Cisco Controllers** to **Cisco Catalyst SD-WAN Control Components**. 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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Release Notes for Cisco SD-WAN Control Components, Cisco Catalyst SD-WAN Control Components Release 20.12.x

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**, **Cisco vSmart** to **Cisco Catalyst SD-WAN Controller**, and **Cisco Controllers** to **Cisco Catalyst SD-WAN Control Components**. 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.

These release notes accompany the Cisco Catalyst SD-WAN Control Components, Release 20.12.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 Catalyst SD-WAN.

Related Releases

For release information about Cisco IOS XE Catalyst SD-WAN devices, refer to Release Notes for Cisco IOS XE Catalyst SD-WAN device, Cisco IOS XE Release 17.12.x.

What's New for Cisco Catalyst SD-WAN Control Components Release 20.12.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 17.12.1a

Feature	Description
Cisco Catalyst SD-WAN Getting Started Guide	
Support for Certificates Without the Organizational Unit Field	Enterprise certificates that you install on devices do not require the Organizational Unit (OU) field to be defined. Earlier, this field was used as part of the authentication of a device. However, if a signed certificate includes the OU field, the field must match the organization name configured on the device.

Feature	Description
Cisco Catalyst SD-WAN Systems and Interfaces	
Cisco Catalyst SD-WAN Remote Access Configuration in SSL-VPN Mode	This feature enables you to configure the following Cisco Catalyst SD-WAN Remote Access features for a device in SSL-VPN mode, using Cisco SD-WAN Manager: — Private IP Pool — Authentication — AAA Policy
Configuration Groups and Feature Profiles (Phase IV)	The following new features are introduced to the feature profiles: — In the System Profile: Flexible Port Speed. — In the Transport Profile: OSPFv3 IPv4 Routing, OSPFv3 IPv6 Routing, T1/E1 Controller — Subfeatures for transport VPN: OSPFv3 IPv4 Routing, OSPFv3 IPv6 Routing, T1/E1 Serial, DSL PPPoE, DSL PPPoA, DSL IPoE, Ethernet PPPoE — In the Service Profile: OSPFv3 IPv4 Routing, OSPFv3 IPv6 Routing, EIGRP Routing, Object Tracker, Object Tracker Group — Subfeatures for service VPN: OSPFv3 IPv4 Routing, OSPFv3 IPv6 Routing, EIGRP Routing, Multilink Controller, Object Tracker, Object Tracker Group — The **Route leak to Global VPN** option is added to the **Route Leak** parameter in the service VPN.
Support for Dual Device Site Configuration	This feature supports dual devices site configuration using configuration groups, for redundancy.
Enhancements to User-Defined Device Tagging	Device tagging has the following new functionalities: — When you add devices to a configuration group using rules, you can choose **Match All** or **Match Any**. — You can use **Starts With** and **Ends With** operator conditions when you add devices to a configuration group using rules. — In addition, the button formerly called **Add New Tag** is now **Create New Tag**.
VFR (Virtual Fragmentation Reassembly) and Underlay Fragmentation	The VFR mechanism reassembles fragmented packets in Cisco Catalyst SD-WAN networks. The packets are fragmented for better transportion and are fragmented while they are travelling through a VFR enabled Cisco IOS XE Catalyst SD-WAN device. Underlay fragmentation fragments packets in the underlying layer of a network. Underlay fragmentation is introduced to easily transport larger packets that exceed the (MTU).
Enhanced Cisco Catalyst SD-WAN Manager Dashboard for Multitenancy	This feature is enhanced to support consistent user experience in tenant and service providers dashboard. The Cisco Catalyst SD-WAN Manager dashboard provides visibility into the available resources on shared devices.

Feature	Description
RADIUS/TACAS Support for Multitenancy	This feature enables support for Remote Authentication Dial-In User Service (RADIUS) and Terminal Access Controller Access Control System (TACACS) authentication in a multitenant deployment on WAN edge devices.
Enhanced Multitenant Tier Definition to include NAT Limits	This feature is enhanced to support NAT to enforce per tenant maximum limit on the translations. From this release **Tier** is called **Resource Profile** in Cisco SD-WAN Manager.
Cisco Catalyst SD-WAN Routing Configuration Guide	
Transport Gateways	A transport gateway operates as the hub in a hub-and-spoke routing topology. It offers the advantage of achieving this topology without requiring complex routing policy configuration. The following are some uses of a transport gateway: • Providing connectivity to routers in disjoint underlay networks • Serving as a gateway (hub) for all traffic in one discrete network to reach another discrete network, such as directing all local network traffic to a cloud gateway
Hub-and-Spoke Configuration	Hub-and-spoke configuration simplifies the process of configuring a hub-and-spoke topology, making complex centralized control policy unnecessary. Instead, the configuration requires only a few simple configurations: a single command each on (a) the Cisco SD-WAN Controllers serving a network, (b) a router that serves as a hub, and (c) the routers that operate as spokes.
Symmetric Routing	You can use affinity groups, affinity group preference, and translation of RIB metrics to ensure symmetric routing of traffic flows across devices in a network. Symmetric routing accommodates various network topologies, including Multi-Region Fabric. To support symmetric routing beyond the overlay network, transport gateways can translate RIB metrics to control plane protocols such as BGP and OSPF. This extends the path preference configuration to routers outside of the overlay network, such as routers in a data center LAN.
Cisco Catalyst SD-WAN Policies	
WAN Insight Policy Automation	With this feature, you can apply the recommendations that are available on vAnalytics to Cisco SD-WAN Manager AAR policy and view the applied recommendations on Cisco SD-WAN Manager.
Flow Telemetry Enhancement When Using Loopbacks as TLOCs.	When you configure a loopback interface as an ingress or egress transport interface, this feature enables you to collect loopback interface reports in FNF records and is supported for IPv4 and IPv6. A show command is enhanced on the device to display the binding relationship between the loopback and physical interfaces.
Lawful Intercept 2.0 Enhancements	This feature lets you configure intercepts in the Cisco Catalyst SD-WAN multitenancy mode, and also provides support for Cisco Catalyst SD-WAN Manager clusters.

Feature	Description
Enhancements to Flexible NetFlow for vAnalytics	This feature introduces logging enhancements to Cisco Flexible NetFlow for Cisco SD-WAN Analytics. The output of the **show flow record** command has been enhanced for IPv4 and IPv6 flow records.
Enhanced Application-Aware Routing	Without enhanced application-aware routing enabled, Cisco IOS XE Catalyst SD-WAN device require several minutes to switch traffic from one network path to another to meet SLA requirements when the loss, latency, and jitter exceed specific threshold values. Enabling enhanced application-aware routing speeds the detection of tunnel performance issues. This enables Cisco IOS XE Catalyst SD-WAN devices to redirect traffic away from tunnels that do not meet SLA requirements.
Cisco Catalyst SD-WAN Security	
Snort Engine Version Upgrade	This feature adds support for Snort engine version 3, which is an upgrade from version 2.
IPv6 GRE or IPsec Tunnels Between Cisco Catalyst SD-WAN and Third-Party Devices	This feature allows you to configure an IPv6 GRE or IPSEC tunnel from a Cisco IOS XE Catalyst SD-WAN device device to a third-party device over a service VPN.
Enabling MACsec using Cisco SD-WAN Manager	This feature adds support for enabling MACsec using Cisco SD-WAN Manager for Cisco Catalyst SD-WAN devices on the service side. With MACsec enabled using Cisco SD-WAN Manager, communication between devices in the service VPN is protected, thus enhancing security for the service VPN.
OMP Prefixes for IP-SGT Binding	The OMP routes are typically present in the IOS RIB. The OMP routes aren't present in the IOS FIB containing entries that map destination IP addresses to next-hop IP addresses. The IOS FIB operates independently of the control plane, receiving the forwarding instructions from a centralized Cisco SD-WAN Controller instead of consuming the OMP routes from the IOS RIB. Starting from Cisco IOS XE Catalyst SD-WAN Release 17.12.1a, the OMP prefixes get added to the IOS FIB which improves IP-SGT binding.
Cisco Catalyst SD-WAN Cloud OnRamp	
AWS Cloud WAN Integration	AWS Cloud WAN is a managed wide-area network (WAN) service. This feature enables you to easily connect and route remote sites, regions and cloud applications over the AWS global network. You can build and operate the wide-area networks using simple network policies and get a complete view of the global network.
Added an Azure Instance Type	For the Microsoft Azure West Central US and Australia East regions, added the Standard_D16_v5 Azure instance type, which includes 16 CPU cores and 64 GB of memory. You can deploy this type of instance for SKU scale values of 20, 40, 60, and 80.

Feature	Description
Cisco Catalyst 8000V Edge Software Support	You can deploy a Cisco Catalyst 8000v Edge Software as the Interconnect Gateway in the Equinix fabric and connect an Cisco Catalyst SD-WAN branch location to the Interconnect Gateway.
Addition of VPC and VNet Tags to SDCI Connections	You can add or modify additional properties of Virtual Private Cloud (VPC) and Virtual Networks (VNets) tags that are associated with a connection.
Audit Management in Equinix	You can identify the gaps or disconnects between Cisco SD-WAN Manager intent and what is realized in the cloud. The audit management helps in understanding if the interconnect cloud and provider states are in sync with the Cisco SD-WAN Manager state.
Cisco Catalyst SD-WAN Policy Groups	
Policy Groups	This feature provides a simple, reusable, and structured approach for configuring policies in Cisco Catalyst SD-WAN. You can create a policy group, that is, a logical grouping of policies that is applied to one or more sites or a single device at the site in the network. To deploy the policy group to devices, the devices must be managed by a configuration group in Cisco Catalyst SD-WAN. You can configure policies based on features that are required, recommended, or uniquely used, and then combine them to complete a policy configuration.
Security Policy Using Policy Groups	This feature provides a simple, reusable, and structured approach for configuring security policies in Cisco Catalyst SD-WAN. You can create a security policy, that is, a logical grouping of policies that is applied to one or more sites or a single device at the site in the network. To deploy the policy group to devices, the devices must be managed by a configuration group in Cisco Catalyst SD-WAN. You can configure policies based on features that are required, recommended, or uniquely used, and then combine them to complete a policy configuration.
Topology	This feature allows you to provision a **Mesh** or a **Hub and Spoke** topology policy which is applied to Cisco Catalyst SD-WAN Controllers. This allows exchange of data traffic between two or more Cisco IOS XE Catalyst SD-WAN devices.
Cisco Catalyst SD-WAN Monitor and Maintain	
Heatmap View for Alarms	In the heatmap view, a grid of colored bars displays the alarms as **Critical**, **Major**, or **Medium & Minor**. You can hover over a bar or click it to display additional details at a selected time interval. The intensity of a color indicates the frequency of alarms in a severity level.
Heatmap View for Events	In the heatmap view, a grid of colored bars displays the events as **Critical**, **Major**, or **Minor**. You can hover over a bar or click it to display additional details at a selected time interval. The intensity of a color indicates the frequency of events in a severity level.
Enhancements to Audit Logging	This feature introduces enhanced audit logging to monitor unauthorized activity. To view these audit logs, from the Cisco SD-WAN Manager menu, choose **Monitor** > **Logs** > **Audit Log**.

Feature	Description
Enhancements to Network-Wide Path Insight	This feature provides enhancements to the Network-Wide Path Insight feature to include support for multiple VPNs for traces, the ability to generate synthetic traffic for traces, options for grouping trace information, support for auto-on tasks, new information on insight displays, and expanded insight summaries.
Cisco Catalyst SD-WAN NAT	
Support for multiple WAN Links for NAT66 DIA	You can configure NAT66 to use multiple WAN Links to direct local IPv6 traffic to exit directly to the internet.
Cisco Catalyst SD-WAN Remote Access	
Cisco Catalyst SD-WAN Remote Access Configuration in SSL-VPN mode Using Cisco SD-WAN Manager	This feature enables you to configure Cisco Catalyst SD-WAN Remote Access for a device in SSL-VPN mode, using Cisco SD-WAN Manager.
User Login Options	
Configure Inactivity Lockout	You can to configure Cisco SD-WAN Manager to lock out users who have not logged in for a designated number of consecutive days.
Configure Unsuccessful Login Attempts Lockout	You can configure Cisco SD-WAN Manager to lock out users who have made a designated number of consecutive unsuccessful login attempts within a designated period.
Configure Duo Multifactor Authentication	You can configure Cisco SD-WAN Manager to require Duo multifactor authentication (MFA) to verify the identity of users before they can log in to Cisco SD-WAN Manager.
Cisco IOS XE SD-WAN Qualified Command Reference	
vDaemon Logging Commands	The following troubleshooting commands are added: • **debug vdaemon** • **debug platform software sdwan vdaemon** • **set platform software trace vdaemon** • **show sdwan control connections**
lockout-policy Command	This command allows you to lock out users who have made a designated number of consecutive unsuccessful login attempts within a designated period, or who have not logged in for a designated number of days
multi-factor-auth duo command	This command allows you to require Duo multifactor authentication (MFA) to verify the identity of users before they can log in.

Table 2: Cisco Catalyst SD-WAN Control Components Release 20.12.1

Feature	Description
Cisco Catalyst SD-WAN Security	
Security Dashboard Enhancements	This feature enhances the security dashboard to provide greater flexibility while troubleshooting security threats down to a device level in Cisco Catalyst SD-WAN.
Cisco Catalyst SD-WAN Analytics	
Easy Onboarding of Cisco SD-WAN Analytics into Cisco Catalyst SD-WAN Manager	This feature enables you to easily onboard Cisco SD-WAN Analytics into Cisco SD-WAN Manager.
Cisco Catalyst SD-WAN Monitor and Maintain	
Global Network View with Network-Wide Path Insight Integration	Network-Wide Path Insight is now integrated with the global network view. This feature also introduces enhancements to the geomap view by providing real-time monitoring of the health of each site. **Global Topology View** is now called as **Global Network View** in Cisco SD-WAN Manager.

Software and Hardware Behavior Changes in Cisco Catalyst SD-WAN Manager Release 20.12.x

Table 3: Software and Hardware Behavior Changes in Cisco IOS XE Catalyst SD-WAN Release 17.12.2

Behavior Change	Description
Added support for certificates that do not have a matching Organizational Unit (OU) field: When onboarding a device, if the associated enterprise certificate has one or more OU fields defined, Cisco Catalyst SD-WAN does not require that any of the OU fields match the organization name of the fabric.	The Configure Enterprise Certificates for Cisco SD-WAN Controllers section describes the behavior.
For all ISR1100 platforms, before changing the resource profile, you must reboot the device. Performing a reboot improves the perfomance of ISR1100 platforms.	The Supported Platforms section in the *Unified Threat Defense Resource Profiles* chapter describes the behavior.
Added an advanced telemetry option to enable Cisco SD-WAN Manager to collect anonymized data for the Cisco Catalyst SD-WAN Data Collection Service (DCS).	The Enable or Disable Cisco Catalyst SD-WAN Telemetry section describes the option.

Table 4: Software and Hardware Behavior Changes in Cisco IOS XE Catalyst SD-WAN Release 17.12.1a

Behavior Change	Description
You cannot include a comma in the **Organization Name** field of the bootstrap configuration file.	The Enable Reverse Proxy and Cisco Catalyst SD-WAN Overlay Network Bring-Up Process sections are updated twith a note on the new behavior.
The **Viptela-User-Group** and **Viptela-Resource-Group** tags are used in RADIUS and TACACs configurations for accounting and authorization.	The Configure the Authentication Order section is updated with a note on new tag definitions.
A restriction for rebooting a control manage is added.	The Connect Cisco SD-WAN Manager VM Instance to Cisco SD-WAN Manager Console section is updated with the restriction.
Device variable names can contain the following special characters dots (.), forward slashes (/) and square brackets ([]).	The Configure Device Values section is updated with the new support for special characters.
Bar chart to display changes from the previous time period.	The following sections are updated in the Cisco SD-WAN Manager Monitor Overview dashboard with information about the dashlets displaying a bar chart showing the changes from the last time period: • Site Health • Tunnel Health • WAN Edge Health • Application Health
A new command to run diagnostics on a Cisco Catalyst SD-WAN Manager cluster.	The Troubleshooting Commands chapter has been updated with a new command **vdiagnose vmanage cluster**.
Change in the severity value of a few alarms.	The Alarms chapter has been updated with the change in the alarm severity value for the following alarms: • New CSR Generated • Root Cert Chain Installed • Root Cert Chain Uninstalled
New commands that display details of alarms that are generated in Cisco SD-WAN Manager. These commands provide better readability into the alarms.	The Troubleshooting Commands chapter has been updated with the **show sdwan alarms detail** and **show sdwan alarms summary** commands.

Behavior Change	Description
In addition to routers in controller mode, from Cisco Catalyst SD-WAN Manager Release 20.12.1, Cisco SD-WAN Manager can monitor routers that are in autonomous mode and not part of the Cisco Catalyst SD-WAN overlay network. These routers appear with the label **SD-Routing** in the **Device Model** column to distinguish them from routers that are part of the overlay network.	Updated the View Controller and Device Information section to describe the new behavior.
You can configure a global certificate authority using the **Configuration** > **Certificate Authority** option in Cisco SD-WAN Manager. In earlier releases, there was an **Administration** > **Settings** > **Certificate Authority (CA) Settings** option that provided the same functionality, but that option has been removed in this release.	See the Certificate Management section for information about certificates.
You can commit the configuration before rebooting a control manage device through Cisco Catalyst SD-WAN Manager.	The Cisco SD-WAN Manager Console section is updated to describe the new behavior.
In Cisco SD-WAN Manager, **auth-no-priv** authentication algorithm is not supported.	The Configure SNMP on Cisco IOS XE Catalyst SD-WAN Devices section is updated with the support details.
Use the **tools consent-token** command to authenticate the network administrator of an organization to access system shell. Starting Cisco Catalyst SD-WAN Manager Release 20.12.1, the **request support ciscotac** command is deprecated.	The Ciscotac User Access section is updated to describe the new behavior.
Authorization rule for **vshell** is limited to only netadmin users.	The User Authorization Rules table in the Role-Based Access Control chapter is updated with the new rule.
In a Microsoft Azure setup, to allow packets with IPv6 Unique Local Addresses (ULA) on the device, configure the **enable-ipv6-unique-local-address** command to enable or disable these addresses.	The Deploy Cisco Catalyst SD-WAN Controllers in Azure: Tasks section is updated to describe the new behavior.
If multiple Azure Virtual WAN hubs are there in a region, you can select a particular Azure Virtual WAN hub for that region. Once you choose the Azure Virtual WAN hub, all subsequent connections created for Azure Virtual WAN uses the same Azure Virtual WAN hub.	See the Virtual WAN Setting for Megaport and Virtual WAN Setting for Equinix sections for more information.
You have the option to choose to delete Express-Route and vWan at the time of deletion. When you delete a GCP connection, you can optionally select to delete the Google Cloud Router, or manage these resources as required.	See the Delete Connection section for more information.

Behavior Change	Description
The Application Monitoring feature is enabled with read and write permission.	See the User Group Permissions:Cisco IOS XE Catalyst SD-WAN devices for more information.
The mutual authentication option is enabled with read and write permission.	See the User Group Permissions:Cisco IOS XE Catalyst SD-WAN devices for more information.
From Cisco IOS XE 17.12.1a and later, operating with SD-WAN Manager 20.12.1 or later, Cisco Catalyst SD-WAN employs a more efficient mechanism for telemetry data exchange between edge devices and SD-WAN Manager. In earlier releases, in some circumstances, devices could fill a buffer for data collection, causing some telemetry data to be dropped. Dropped telemetry data can cause missing data in flow logs, gaps in charts, and gaps in other information shown on pages such as **Overview**, the **Applications** dashboard, and the **Circuits** dashboard. These pages are accessible from the **Monitor** or **Analytics** menus, depending on the SD-WAN Manager release.	

Table 5: Software and Hardware Behavior Changes in Cisco Catalyst SD-WAN Manager Release 20.12.1

Behaviour Change	Description
IP Name Server Configuration in Cisco SD-WAN Manager Templates	Before upgrading to Cisco Catalyst SD-WAN Manager Release 20.12.1, update CLI templates to use the `ip name-server vrf <vrf> server-ip-list <ip_address>` command syntax. See the Command Reference Guide for more information.
Hostname Configuration in Cisco SD-WAN Manager Templates	CLI template push may fail when the host-name is in the system block. Remove the hostname configuration from the system block within templates. The hostname should be configured under `/native` (IOS CLI) instead.
The `attachfeature` API now requires the `isEdited` and `isMasterEdited` flags to be set to 'True' as appropriate when attaching a Device Template. Set `isMasterEdited` to 'True' for Master Template edits and `isEdited` to 'True' for Feature Template edits to ensure changes are correctly applied.	For more information, see Feature Template

Table 6: Software and Hardware Behavior Changes in Cisco Catalyst SD-WAN Manager Release 20.12.6

Behaviour Change	Description
SecureX ribbon deprecated.	Starting with Cisco Catalyst SD-WAN Manager Release 20.12.6, the SecureX ribbon is no longer available in the Cisco SD-WAN Manager. For more information, see View SecureX Ribbon.

Important Notes, Known Behaviors, and Workarounds

- OMP hold timer default value

  From Cisco Catalyst SD-WAN Control Components Release 20.12.1, the default value of the OMP hold timer is 300 seconds.

  - If you upgrade from an earlier release, and you were using the previous default of 60 seconds, the upgrade changes the default to 300 seconds.
  - If you had configured a non-default value for the OMP hold timer in the earlier release, the upgraded system retains the previously configured value; it does not adopt the new default of 300 seconds.



Note Note the following points regarding OMP hold time:

- Reconfiguring the OMP hold time causes the OMP peering sessions to flap. This issue is resolved in Cisco Catalyst SD-WAN Control Components Release 20.16.1.
- The OMP hold time affects the time it takes for VRRP switchover if the Track OMP functionality is configured for VRRP.

- ConfigDB (Neo4j)

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

- Unknown mandatory attributes from TACACS

  Starting from Cisco Catalyst SD-WAN Manager Release 20.12.x, the unknown mandatory attributes from TACACS are ignored.

- Multiple IdPs for single sign-on

  The following enhancements are available in Cisco SD-WAN Manager while configuring multiple IdPs for single sign-on:

  - You can set one IdP as a default IDP.
  - While configuring a domain name, you have the option to enter a domain name with a wildcard (*), which will make that domain the default domain. If a default domain is configured, you can log in to a domain with just the user ID (john) without requiring you to enter an user ID in email address format (john@mystore.com).

- HTTP POST requests for logging out

  From Cisco Catalyst SD-WAN Manager Release 20.12.x, Cisco SD-WAN Manager accepts only HTTP POST requests for logging out from Cisco SD-WAN Manager. It does not support the use of the GET method for this function.

  Refer to developer.cisco.com for more details.

Resolved and Open Bugs for Cisco SD-WAN Controllers 20.12.x

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.8.2

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.8.2

Identifier	Headline
CSCww79570	Cisco Catalyst SD-WAN Manager API authentication bypass vulnerability.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.8.2

There are no customer impacting bugs that were identified in this release.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.8.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.8.1

Identifier	Headline
CSCwv76385	DR registration causes cluster connectivity issues.
CSCws93417	The Cisco Catalyst SD-WAN Manager MFA integration with DUO now requires API calls to use Python version 5.5.0.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.8.1

Identifier	Headline
CSCwv80117	Software edge devices renew certificates signed by the Cisco Catalyst SD-WAN Manager.
CSCwo60110	In 20.12.4, the Cisco Catalyst SD-WAN Manager leaves replication stuck in "ImportPending" on the standby cluster.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7.2

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7.2

Identifier	Headline
CSCwu18563	Cisco Catalyst SD-WAN Controller authenticated privilege escalation vulnerability.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7.2

There are no customer impacting bugs that were identified in this release.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7.1

Identifier	Headline
CSCwt50498	Cisco Catalyst SD-WAN Controller authentication bypass vulnerability.
CSCwt38739	Cisco Catalyst SD-WAN Manager privilege escalation vulnerability.
CSCwt55544	Cisco Catalyst SD-WAN Manager XML external entity injection vulnerability.
CSCwt38767	Cisco Catalyst SD-WAN Manager privilege escalation vulnerability.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7.1

There are no customer impacting bugs that were identified in this release.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.7

Resolved Bugs for Cisco IOS XE Catalyst SD-WAN Release 20.12.7

Identifier	Headline
CSCwp72213	The SD-WAN Manager configuration-db upgrade fails for clusters with higher db sizes > 8 GB during the 20.9 to 20.12 upgrade.
CSCwo14975	Memory leak in DNS Proxy/SKA triggers unexpected reloads.
CSCwn55211	Encryption support is required for SNMP SHA-256 config done via add-on CLI.
CSCwj65546	Alarms are not generated for interface shut/unshut.
CSCwh89309	NFVIS 4.12.1 transport interfaces remain down after a Factory Default Reset on Cisco NFVIS SD-Branch.
CSCwm57287	A replication failure occurs on the Data Center-Disaster Recovery setup.
CSCwq98192	SD-WAN Manager experiences high CPU utilization because vdaemon-message processes leak on the 'CLOSE_WAIT' socket.
CSCwr33301	SD-WAN Manager 20.12.4b Policy Group sequence rule ID decreases to 1.
CSCwq79825	Errors encountered when applying a new Policy Group due to PSK issues on Secure Internet Gateway tunnels caused by the ';' character restriction.
CSCwp14369	Catalyst Manager SSO fails to parse SAML Metadata due to unsupported SOAP.
CSCwp32858	Catalyst Manager SSO fails to parse the EntityID/Issuer correctly from the SAML Response.

Identifier	Headline
CSCwq91481	Disaster Recovery scale configuration causes neo4j to crash and restart in the secondary node when deleting and importing SYSTEMDEVICESNODE.
CSCwm99530	The SD-WAN Manager configuration-db upgrade from 20.9 to 20.12.4 intermittently causes null entries.
CSCwr95879	IDMGR crash when Controller receives an IPv6 address for IP-user mapping with an empty field.
CSCwp19696	SNMPv3 credentials via device template are not pushed if the password includes the '<' (less than) character.
CSCwq65340	The SD-WAN Manager 20.12.5 exhibits incorrect behavior when cancelling a change to Centralized Policy after adding "Topology".
CSCwj09098	The SD-WAN Manager DC-DR experiences a replication failure during the import of vmanagedbSYSTEMDEVICESNODE.
CSCws01965	The SD-WAN Manager dashboard Transport Health widget displays inconsistent data and graphs.
CSCwj18864	Netconf errors display "Could not read response from channel".
CSCwj91918	vQoE graphs incorrectly show 2 links as active at the same point of time.
CSCwm98627	Curl exit code 52 received when cedge attempts stats upload to vmddc.
CSCwi65359	SD-WAN Manager experiences a replication failure because the import lock is not acquired on the standby nodes.
CSCwe32555	20.6 SD-WAN Manager dashboard shows a false certificate expiration warning alarm.
CSCwq97540	IPv4 Route not installed after upgrade in AWS with IPv4/IPv6 Dual Stack enabled resulting in failed upgrade.
CSCwr14030	Some SD-WAN Validators are unable to connect to the new active cluster after a Disaster Recovery switchover.
CSCwr42902	Controller experiences high CPU utilization due to /bin/sh ./run.
CSCwr20620	SD-WAN Manager Network Design UI clears the template lock after 5 minutes even when the user is actively clicking and entering values on the UI.
CSCwi51245	After Controller certificate renewal using Cisco PKI, the Device List Status for the SD-WAN Manager remains stuck in an error state.
CSCwk78340	The messaging-server enters a bad state after an upgrade.
CSCwn48303	Device sync handling is improved in the SD-WAN Manager for Smart Account integration.
CSCwq58597	SD-WAN Manager 20.12.5 cannot properly "Change Device Values" for a WAN Edge device after changing vSmart values.

Identifier	Headline
CSCwq74763	SD-WAN Manager experiences timeouts while the user is actively working in the SD-WAN Manager.
CSCwr96258	TACACS Secret Key in plain text is displayed in the SD-WAN Manager syslog even when the template is pushed as encrypted.
CSCwq86700	The Centralized Policy page fails to load in 20.12.5.
CSCwq11932	cEdge attempts to download an old UTD signatures file from a node in the SD-WAN Manager cluster that is no longer available.

Open Bugs for Cisco IOS XE Catalyst SD-WAN Release 20.12.7

Identifier	Headline
CSCwq48395	SD-WAN Controller retains stuck exported routes after a policy change.
CSCwt81983	20.9.9/20.12.7 MTT SD-AVC: POST /dataservice/template/policy/customapp rejects valid-looking custom app names with POLICYVALIDATION0005 once generated name exceeds 59 chars.
CSCwt55758	SD-WAN Manager Speedtest tool displays an "Invalid request" and "Invalid deviceId" error.
CSCws38767	SD-WAN Manager triggers false alarms indicating high /tmp directory usage despite low usage.
CSCwo44963	In release 20.12.4, the system cannot directly disable debugs from a device running Viptela OS after enabling them.
CSCwt50511	The C1131 SD-WAN router does not accept the Unified Security Policy with URL filtering.
CSCwt30169	The "switchport trunk allowed vlan" command is not reflected on a Device when applied from the SD-WAN Manager 20.12.
CSCwk97770	An increase in the timeout between regions is required for Controllers.
CSCws24317	SD-WAN Manager does not generate Control_Node_Down or Control_Node_Up events for a Device.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6.2

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6.2

Identifier	Headline
CSCwt50498	Cisco Catalyst SD-WAN Controller authentication bypass vulnerability.
CSCwt38739	Cisco Catalyst SD-WAN Manager privilege escalation vulnerability.

Identifier	Headline
CSCwt55544	Cisco Catalyst SD-WAN Manager XML external entity injection vulnerability.
CSCwt38767	Cisco Catalyst SD-WAN Manager privilege escalation vulnerability.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6.2

There are no customer impacting bugs that were identified in this release.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6.1

Identifier	Headline
CSCws33583	Cisco Catalyst SD-WAN Manager has an information disclosure vulnerability
CSCws33584	Cisco Catalyst SD-WAN Manager has an arbitrary file overwrite vulnerability.
CSCws33585	Cisco Catalyst SD-WAN Manager has an information disclosure vulnerability.
CSCws33586	Cisco Catalyst SD-WAN Manager has an arbitrary file overwrite vulnerability.
CSCws33587	Cisco Catayst SD-WAN has an authentication bypass vulnerability.
CSCws52722	Cisco Catalyst SD-WAN Controller has an authentication bypass vulnerability.
CSCws93470	Cisco Catalyst SD-WAN Manager has a privilege escalation vulnerability

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6.1

Identifier	Headline
CSCwt31899	20.12.6 - 20.12.6.0.02_103 - No DCA flow in S3 bucket for non-CDCS ST and MT cluster.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.6

Resolved Bugs for Cisco IOS XE Catalyst SD-WAN Release 20.12.6

Identifier	Headline
CSCwm94648	Applying the AAR Policy to COR for SAAS removes the Color Group.
CSCwo59379	[20.12.4-761] Duplicates prevent modification of admin settings statistics database configuration.
CSCwp21356	Cisco SD-WAN Manager Reference Count does not display any attached policies.
CSCwo61632	Add REST API to toggle the adaptive statistics collection.

Identifier	Headline
CSCwj65546	Cisco SD-WAN Manager is not generating alarms for interface shut/unshut events.
CSCwm02422	Dashboard doesn't show the left navigation bar on Cisco SD-WAN Manager.
CSCwd58323	Cisco SD-WAN Manager fixes Azure AD SSO maxAuthenticationAge at 7200 seconds.
CSCwn49053	Cisco SD-WAN Manager: If the DR leadership changes during export, replication breaks for the entire cycle.
CSCwm39910	There is a license count mismatch between Cisco SD-WAN Manager & CSSM portal using online reporting
CSCwp02180	After an upgrade, users cannot reference object groups under Cisco SD-WAN Manager Configuration > Security > Define Lists -> Rule Set.
CSCwn90550	SaaS/vQoE score page doesn't work without Settings feature Read
CSCwj49155	DNS Channel uses same source port in every connection.
CSCwo19515	TACACS users are unable to login to Cisco SD-WAN Manager via GUI or CLI after Cisco SD-WAN Manager upgrade to Release 20.12.x
CSCwp85929	Cisco Catalyst SD-WAN Controller: Changing sequence of the rules in centralized policy causes misprogramming.
CSCwn19880	Cisco SD-WAN Manager does not process stats files in 2 standby nodes.
CSCwo41540	The template push for a large number of devices is failing.
CSCwo61376	Customers report that they cannot SSH into Cisco SD-WAN Manager 4 with admin or local usernames.
CSCwm69595	The Cisco SD-WAN Manager UI menu does not reflect the Configuration > Devices post-cluster upgrade to Release 20.12.x.
CSCwk88410	AutoAn creates a defect for DeviceNat66Complete.
CSCwo08214	Cisco SD-WAN Manager crashes with the error "Software initiated - vdaemon-4 exited with 1".
CSCwo12289	20.12.4-687 : Cisco SD-WAN Manager is unable to change the controller Certificate authorization to manual in version 20.12.4-687.
CSCwp03947	The DR (secondary) cluster does not log out the replication user in the DC (primary) cluster after configuration database / stats sync.
CSCwo25708	Cisco SD-WAN Manager does not distribute BFD_TLOC_DOWN across all nodes in a 6-node cluster.
CSCwk74774	Local user cannot log in on Cisco SD-WAN Manager Release 20.12.3; auth-fallback fails when "priority" is configured.

Identifier	Headline
CSCwo99100	Cisco Catalyst SD-WAN Controller running release 20.9.6.0.3 experiencing kernel panic
CSCwn03490	Cisco SD-WAN Manager processes all groups sent by SSO IDP resulting in delayed login
CSCwo08386	Creating a list name with more than 20 characters causes the button X to close the window to disappear.
CSCwe66021	Enhancement: The "Certificate Expiring" Alarm is not present on the Alarm notification.
CSCwo91297	In 20.9.5.2-li Cisco SD-WAN Manager, users see incorrect SIM status in the Monitor dashboard.
CSCwm91228	MTT : Tenant creation fails with the message "Failed to create tenant".
CSCwj09098	Cisco SD-WAN Manager DC-DR : Replication failure happens during import of vmanagedbSYSTEMDEVICESNODE.
CSCwp27897	20.12.5 upgrade failure- Unable to grow filesystem for new larger rootfs.rw partition:Boot failure.
CSCwo91814	Cisco SD-WAN Manager could experience high CPU with configuration database during Stats/Data collection.
CSCwm70543	Device is Displayed as 'Healthy' despite Missing 1+ Expected Cisco Catalyst SD-WAN Controller Control Connections.
CSCwi69034	Admin user doesnt have full privileges after password change.
CSCwm98627	The system receives Curl exit code 52 when a Cisco IOS XE Catalyst SD-WAN device attempts stats upload to vmddc.
CSCwi65359	Cisco SD-WAN Manager experiences replication failure because the import lock is not acquired on the Standby Nodes.
CSCwo70700	In 20.12.4 Cisco SD-WAN Manager, the rootfs.rw was filled 100%.
CSCwk67930	Cisco SD-WAN Manager GUI intermittently unavailable on 20.9.3 cluster in round robin fashion.
CSCwm53789	After configuring DR Cisco IOS XE Catalyst SD-WAN device goes to DISCONNECTED state.
CSCwo24776	NWPI trace does not provide the valid enduser name and ip address in Cisco SD-WAN Manager audit log.
CSCwm85276	Link alarms not synced/reconciled on standby after switchover.
CSCwn43011	QuickConnect utility in Cisco SD-WAN Manager will not accept any .csv files in Firefox.

Identifier	Headline
CSCwo41233	Cisco SD-WAN Manager memory leak with SLA Violation events due to NWPI Auto-On Task running in the background.
CSCwn94652	64GB Cisco SD-WAN Manager neo4j off-heap memory keeps increasing, causing the oom-killer.
CSCwo00098	The neo4j database runs out of threads after switchover.
CSCwo87819	In 20.9 code, cluster config node credentials are double encrypted.
CSCwk78340	Messaging-server in a bad state after upgrade.
CSCwo55067	in 20.12.3.1, customer instance didn't boot after installing the web certificate and rebooting.
CSCwo75184	Cisco SD-WAN Manager sync smart or serial upload fails due to huge neo4j query getting invoked.
CSCwn82246	Even after completing on-demand troubleshooting, no data is displayed in SAIE.
CSCwo07182	Cisco SD-WAN Manager does not sort Enterprise Certificate Serial Numbers by Expiration Date.
CSCwo52495	Cisco SD-WAN Manager gives error "Input Json Payload validation failed" for service chain.
CSCwo72463	Template pull model creates HTTP session to Cisco SD-WAN Manager, session is not closed properly by device.
CSCwh89309	NFVIS 4.12.1 : Transport interfaces down after a FDR on NFVIS.
CSCwp28358	Cisco SD-WAN Manager : alarms not getting generated even though event is generated.
CSCwi01365	SAIE application for Provider Edge devices throws NullPointerException.
CSCwm92001	Underlay Measurement and Tracing Services modelling is not correct.
CSCwo31558	In multitenant environment Tunnel Endpoints names are displayed incorrectly.
CSCwq11939	OMP Site Down Alarms not clearing in timely manner.
CSCwo38793	Post 20.12.4 upgrade remote user with namelen > 32 characters cannot access vshell.
CSCwo61632	Add REST API to toggle the adaptive statistics collection.

Open Bugs for Cisco IOS XE Catalyst SD-WAN Release 20.12.6

Identifier	Headline
CSCwq48395	Cisco Catalyst SD-WAN Controller retains exported routes after policy changes.
CSCwq65340	20.12.5 | Cisco SD-WAN Manager exhibits incorrect behavior when canceling a change to Centralized Policy after 'Topology' is added.

Identifier	Headline
CSCwq58597	20.12.5 | Cisco SD-WAN Manager cannot properly "Change Device Values" for Cisco IOS XE Catalyst SD-WAN device after users change vSmart values
CSCwo44963	In 20.12.4, users cannot directly disable debugs on devices running Viptela OS after enabling them.
CSCwq84823	Cisco SD-WAN Manager Remote Repository fails to download Cisco IOS XE Catalyst SD-WAN device software when "relative path from homedir" is blank.
CSCwq84856	Users cannot configure TrustSec from a feature template for HundredGigE interfaces.
CSCwo81500	Rib-cache memory increases significantly on Cisco Catalyst SD-WAN Controller when users perform OMP shut/no-shut operations on spokes.
CSCwq77860	Viptela devices reject NTP server addresses ending with .255, considering them invalid unicast IP addresses.
CSCwq65412	vDaemon crashes in Release 20.12.5.
CSCwq79825	Users encounter errors when applying new Policy Groups due to PSK issues on SIG tunnels caused by the restricted ';' character.
CSCwp35976	Viptela devices experience intermittent login issues when AAA accounting is enabled.
CSCwj06854	Release 17.14 UX1.0 configuration preview displays partial output for Static NAT configuration, when interface is missing.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.4

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.4

Identifier	Headline
CSCwt50498	Cisco Catalyst SD-WAN Controller authentication bypass vulnerability.
CSCwt38739	Cisco Catalyst SD-WAN Manager privilege escalation vulnerability.
CSCwt55544	Cisco Catalyst SD-WAN Manager XML external entity injection vulnerability.
CSCwt38767	Cisco Catalyst SD-WAN Manager privilege escalation vulnerability.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.4

There are no customer impacting bugs that were identified in this release.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.3

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.3

Identifier	Headline
CSCws33583	Cisco Catalyst SD-WAN Manager has an information disclosure vulnerability
CSCws33584	Cisco Catalyst SD-WAN Manager has an arbitrary file overwrite vulnerability.
CSCws33585	Cisco Catalyst SD-WAN Manager has an information disclosure vulnerability.
CSCws33586	Cisco Catalyst SD-WAN Manager has an arbitrary file overwrite vulnerability.
CSCws33587	Cisco Catayst SD-WAN has an authentication bypass vulnerability.
CSCws52722	Cisco Catalyst SD-WAN Controller has an authentication bypass vulnerability.
CSCws93470	Cisco Catalyst SD-WAN Manager has a privilege escalation vulnerability

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.3

Identifier	Headline
CSCwt31899	20.12.6 - 20.12.6.0.02_103 - No DCA flow in S3 bucket for non-CDCS ST and MT cluster.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.2

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.2

Identifier	Headline
CSCwp13820	Cisco SD-WAN Manager keeps crashing with reason 'Software initiated - cfgmgr got signal 11' .
CSCwo61376	Unable to SSH into Cisco SD-WAN Manager 4 using either the admin account or our local usernames.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5.1

Identifier	Headline
CSCwm52837	Neo4j direct memory metric files are not updated while other neo4j metrics are good.
CSCwo00098	[20.12] DR: neo4j database running out of threads after switchover.
CSCwn19880	[20.12.4-590] DR: stats files not being processed in 2 standby nodes.
CSCwj49155	DNS Channel uses same source port in every connection.

Identifier	Headline
CSCwo75184	Cisco SD-WAN Manager Sync smart or serial upload is failing due to huge neo4j query getting invoked.
CSCwn82246	Even after completing on-demand troubleshooting, no data is displayed in SAIE.
CSCwn49053	Cisco SD-WAN Manager : DR leadership changing during Export causes replication to break for the whole cycle.
CSCwi69034	20.9.3.2: Admin user doesnt have full priviledges after password change.
CSCwm97560	Cisco SD-WAN Manager CG Variable API timeout for 1000 devices.
CSCwo38793	Post 20.12.4 upgrade remote user with namelen > 32 characters cannot access vshell.
CSCwk67930	Cisco SD-WAN Manager GUI becomes intermittently unavailable on 20.9.3 cluster in round robin fashion.
CSCwm53789	[20.16] After configuring DR Cisco IOS XE Catalyst SD-WAN device goes to DISCONNECTED state.
CSCwo87819	In 20.9 code, Cluster config node credentials are double encrypted.
CSCwm85276	Link alarms do not synched/reconciled on standby after switchover.
CSCwm39910	Cisco SD-WAN Manager : License count mismatch between Cisco SD-WAN Manager & CSSM portal with Online reporting.
CSCwn94652	64GB Cisco SD-WAN Manager neo4j off-heap memory keeps increasing caused oom-killer.
CSCwo41233	Cisco SD-WAN Manager memory leak with SLA Violation events due to NWPI Auto-On Task running in the background.
CSCwo91814	Cisco SD-WAN Manager running 20.9.3.2 is experiencing high CPU with config-db during Stats/ Data collection.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5

Identifier	Headline
CSCwk09812	Cisco SD-WAN Manager upgrade to version 20.12.3 with 32vCPU on-prem High CPU alarms.
CSCwm71065	The SDWAN Controllers are experiencing a failure with SNMPv3 mibwalk because the EngineID is not compliant with RFC3411.
CSCwk20837	When a Control Policy for Traffic Engineering (TE) is applied, the route sent count in the OMP summary is incorrect.
CSCwi69572	High CPU alarms/ alerts are seen every 30 mins to one hour in 20.6.5.1.13 code.

Identifier	Headline
CSCwk70669	Changes made to Cisco SD-WAN Manager resource groups time out.
CSCwj71974	"Enabled usage but prepaid consumption" still appears on CSSM with Cisco SD-WAN Manager 20.9.4.1
CSCwh89309	In NFVIS 4.12.1, the transport interfaces go down after a FDR on NFVIS.
CSCwk97594	Cisco SD-WAN Manager upgrade from 20.9.5.1 to 20.12.3 is failing with neo4j authentication failure.
CSCwk14972	Cisco SD-WAN Manager : Serviceproxy hitting UpstreamOverflow-503/RateLimited-429 causing GUI down issues.
CSCwk68236	Report generation with email recipients fails due to SMTP connection timeout.
CSCwk89844	Missing custom-apps after upgrading controllers from 20.9.4.1 to 20.12.3.
CSCwn34073	OSPFv2 and OSPFv3 data-sync causes device crash in scale setup.
CSCwi28960	Cisco Catalyst SD-WAN Validator crash with error "Software initiated - Daemon 'vbond_0' failed".
CSCwk09399	Cisco SD-WAN Manager active user session gets flushed out after a short period. This causes abrupt UI logouts.
CSCwm43112	In Cisco SD-WAN Manager running 20.12.1 code, the DE registration was stuck in pending state for several days.
CSCwm81635	CiscoHosted: Upon upgrade to 20.12.4, SDAVC custom apps are not pushed to sdavcSaas.
CSCwm72803	vManageDR: DR registration doesnt proceed and task is stuck for 12+ hours.
CSCwi90050	The unified SAML page is displayed even though there is only one IDP configured.
CSCwc67155	Cisco SD-WAN Manager : The HTTP proxy is not utilizing ICMP echo requests.
CSCwj67612	There is no logging generated for the 'direct memory allocation' error.
CSCwh88803	The deletion of the configuration group fails due to a configuration group validation error.
CSCwm47780	Cisco SD-WAN Manager rejects SAML responses that contain line breaks.
CSCwk66060	The OMP extranet policy is not exporting all the routes for the prefixes.
CSCwj06577	Modify the TAC module to redirect users to SCM for opening TAC cases.
CSCwk88478	The VRRP default timer displays as 1000ms in the GUI, but it shows 100ms in the preview and pushes 100ms to the device.
CSCwm85904	Cisco SD-WAN Manager: The control policy is getting removed during config sync.
CSCwn99313	Container Jenkins build needed for messaging service container.

Identifier	Headline
CSCwh84250	Feature template update failure.
CSCwk37838	Copy of configuration group with dual device type is creating as single router type.
CSCwj85252	Cisco VPN Interface IPsec template does not send selected parameters to device.
CSCwi55998	No checks to see if a deployment will re-use a System-IP.
CSCwn83201	20.9.6 Cisco SD-WAN Manager keys are getting corrupted which is causing DR to break.
CSCwj32099	[20.14.0.08-13] ST-SIT: Email notifications not coming in
CSCwn34135	DCA folder grows, the volume size of /opt/data is affected.
CSCwk32515	Delayed notification (webhook) when one of the Webhook server is unreachable
CSCwk24744	Follow up on for CSCwj39594. 6-Node cluster DR Replication is not working in certain scenarios.
CSCwm98627	Curl exit code 52 received when Cisco IOS XE Catalyst SD-WAN device attempts stats upload to vmddc
CSCwj09098	Cisco SD-WAN Manager DC-DR : Replication failure happens during import of vmanagedbSYSTEMDEVICESNODE.
CSCwk23323	Cisco SD-WAN Manager Cluster: When device is deleted from UI, the NCS entry does not get cleared on all nodes
CSCwm28584	20.9: Cisco Catalyst SD-WAN Validator is sending control pkts with dscp 0 instead of dscp 48
CSCwm11848	Cisco SD-WAN Manager VPN templates are corrupted after upgrade to 20.12.x.
CSCwk14925	Cisco Catalyst SD-WAN Validator running 20.6.5.2 experiencing kernel panic.
CSCwm97589	Default route for VPN 0 is not programmed to FIB on Cisco SD-WAN Manager 20.12.4 hosted in AWS.
CSCwk91577	Azure vWAN NVA SKU Scale 10 changes instance type to D8_v5 instead of D4_v2
CSCwm72199	The 'service local' is not pushed to WAN Edges after upgrade from 20.9.5 to 20.12.4.
CSCwi65359	Cisco SD-WAN Manager Replication failure seen due to import Lock not acquired on the Standby Nodes
CSCwk92103	In Cisco NFVIS SD-Branch, the second device within the same site ID does not upgrade after the first device has been successfully upgraded.
CSCwm36264	IPv6 prefix push template fails.
CSCwm60082	CloudOps unable to leverage ciscotacrw for maintenance when DUO is configured.
CSCwn12834	vmanage.p12 was empty after Virtual Machine size upgrade.

Identifier	Headline
CSCwm70614	Stats data not visible after upgrading to 20.12.3.1 MTT setup.
CSCwn20371	Negative values in FNF stats causes On Demand Troubleshooting to fail.
CSCwk31416	Integration Management page in UI can't populate device list intermittently : rendering issue
CSCwk27624	Control Policy is programmed incorrectly on Cisco SD-WAN Controller .
CSCwm13281	Introduce transaction timeout in Neo4j.
CSCwj89979	FIS - GUI UX Slowness - CSCwh2830.
CSCwm54703	20.9.4.1 Cisco SD-WAN Manager app-server restarted due to app-server OOM Java heap space.
CSCwk78340	The messaging-server is in a bad state after upgrade.
CSCwk19371	Cisco SD-WAN Manager : Netconf errors and slow login.
CSCwm09715	The community exact-match is not removed from IOS-XE running config when changed via policy
CSCwn72244	Post DR switchover, edge serial list has to be pushed to all controllers.
CSCwm53003	Making messaging-server robust.
CSCwm35108	Neo4j getting killled due to OOM resulting in GUI being unavailable even with enough resources.
CSCwi72463	20.14 : Cisco SD-WAN Manager to vanalytics xlaunch Read RBAC issues
CSCwf44738	The export option for configuration devices is not working in Cisco SD-WAN Manager UI.
CSCwm27276	SDWAN Manager: Replication of statistics file causes Service-proxy 503 UH & GUI goes unreachable
CSCwm41465	Need to gracefully shutdown services during Cisco SD-WAN Manager upgrade
CSCwm34478	Cisco SD-WAN Manager 20.12.x, filling variables in device templates with "#" causes corruption in CSV file
CSCwm76848	Creation of customer policy configuration from API fails on latest 20.16
CSCwo15366	Lose control connection and MGMT tunnel interface remain Down when MGMT link flap.
CSCwn22891	[20.15.1] Neo4j query is taking longer time for BFD.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.5

Identifier	Headline
CSCwd33966	Unable to configure the local BGP as-path-list using Cisco SD-WAN Manager.
CSCwo59379	[20.12.4-761] Unable to modify admin settings for the statistics database configuration due to a duplicate entry.
CSCwo74545	A device reload during the signature update step of UTD deployment results in the device and Cisco SD-WAN Manager being out of sync.
CSCwo74300	After saving the protocol and port combination in the ruleset, the port list does not appear on the UI.
CSCwo47222	Updates done in a copied config group also updating the parent config group
CSCwn94652	64GB Cisco SD-WAN Manager neo4j off-heap memory keeps increasing caused oom-killer.
CSCwo38898	Cisco vEdge device syntax is switched to Cisco SD-WAN Validator even for keywords in configurations.
CSCwo76659	20.12 - Increased memory footprint with large sequence of control-policy while caching is enabled

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.4.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.4.1

Identifier	Headline
CSCwm81635	CiscoHosted: Upon upgrade to 20.12.4, sdavc custom apps are not pushed to sdavcSaas.
CSCwi90050	Unified saml page shown even though we have only one IDP configured.
CSCwi69572	High CPU alarms/ alerts are seen every 30 mins to one hour in 20.6.5.1.13 code.
CSCwm11848	Cisco SD-WAN Manager VPN templates corrupted after upgrade to 20.12.x
CSCwm72199	The 'service local' is not pushed to WAN Edges after upgrade from 20.9.5 to 20.12.4.
CSCwj89565	Template pushes are taking a lot of time for scale setup.
CSCwk88478	VRRP default timer shows 1000ms in GUI but it show 100ms in preview and pushed 100ms to device.
CSCwm70614	Stats data not visible after upgrading to 20.12.3.1 MTT setup.
CSCwi28960	Cisco SD-WAN Validator crash with error "Software initiated - Daemon 'vbond_0' failed".
CSCwk09399	Cisco SD-WAN Manager active user session gets flushed out after short period causing abrupt UI logouts.

Identifier	Headline
CSCwn34073	OSPFv2 and OSPFv3 data-sync cause device crash in scale setup.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.4

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.4

Identifier	Headline
CSCwi71976	UI changed needed for CSCwi56821 MT License Settings exposed at Tenant Level.
CSCwj39272	Site health shows yellow when circuit of last resort configured.
CSCwi56821	MT license settings exposed at Tenant Level.
CSCwf98797	Summary page of nfv CG workflows shows value of "color" for the field that is labeled as "Type"
CSCwh89309	NFVIS 4.12.1 : Transport interfaces down after a FDR on nfvis
CSCwi91313	1131x device shows as HSEC compatible NO in vManage >> license management.
CSCwh55434	Elastic search server CPU high due to JVM JIT deoptimization issue on getMonthOfYear()
CSCwf90168	False error "Subject serial num mistmatch" come up on ZTP server syslog.
CSCwj39215	Selecting 3-dots next to BGP feature does not save Edge01 or Edge02.
CSCwc04678	The data-policy-commit-failure notification promote to Alarm.
CSCwj34301	Cisco SD-WAN Manager custom group user is not able to run speed test with 'Forbidden Request: roleNotAllowed'
CSCwj23827	Cisco SD-WAN Manager DR : Replication stuck and not even attempting to create further exports
CSCwi72623	Change partition task stuck, during Cisco SD-WAN Manager upgrade activation from 20.12 to 20.14
CSCwi62044	SD-AVC container mount point change in Cisco SD-WAN Manager results in lost custom apps post-upgrade.
CSCwi10675	Devices with pull mode stats collection stops working after upgrade to Cisco Catalyst SD-WAN Manager Release 20.13.x latest.
CSCwi72111	/dataservice/device/action/install/devices/{deviceType} not working in apidocs page
CSCwi57614	Cisco SD-WAN Manager: Enterprise Feature Certificate Authorization domain name issue

Identifier	Headline
CSCwj17284	The communication between Cisco SD-WAN Manager cluster gets break due to routes overlapping with Eth4 interface.
CSCwj29915	Preferred color group not available in traffic policy.
CSCwj39594	6-Node cluster DR Replication not working in certain scenario .
CSCwi43016	Need pop-up to display warning banner on 20.9 and 20.12 stating "SHA/AES-128 deprecation"
CSCwi45974	Unable to save the TACACS Server configuration when using Configuration Groups.
CSCwj04353	DCA is not sending device list data for MT Tenants.
CSCwj24314	[20.9.4] High memory utilization for wildfly.
CSCwj77415	Expanded Communities not populating in UI when creating Match sequence on pre-existing policies.
CSCwi21976	Cisco SD-WAN Manager API: User with only Interface read-only access can see the connected user list.
CSCwi85554	Cisco SD-WAN Manager cannot deploy a configuration group on a Cisco IOS XE Catalyst SD-WAN deviceadded by a tag rule
CSCwi75078	The banner issue on Cisco IOS XE Catalyst SD-WAN device from feature template Cisco SD-WAN Manager 20.9.4.1
CSCwi64908	The /dataservice/statistics/approute/fec/aggregation API takes much longer after upgrade
CSCwi99563	Unable to Edit Object Tracker on Static NAT Entries when there are a lot of entries.
CSCwi56971	Cisco SD-WAN Manager 20.12.2 / Search tool of Select smart/virtual accounts to fetch/sync licenses is not working
CSCwi95474	6 + 6 DR cluster elects replication leader which has no config-db and fails to connect to neo4j
CSCwi81830	20.12.3: unable to login to Cisco SD-WAN Manager after enabling proxy- AAAMgr auth req failed with exception.
CSCwk07246	Need to address collection thread issue.
CSCwi74398	DCA Rest: MT: If some tenant uploads fail, further tennats may be skipped.
CSCwj09144	Cisco SD-WAN Manager || Intermittent request time out while trying to access administration user groups
CSCwi49242	After upgrading Cisco SD-WAN Manager to 20.12.2, local/AAA users won't be able to login after 10-15 mns reboot
CSCwh36350	"/logout" method should be updated to POST in API Doc for 20.12 Cisco SD-WAN Manager

Identifier	Headline
CSCwh24335	Manipulate driver of Neo4j and ES to use static logger instead of new logger (Cisco SD-WAN Manager Slowness 20.6)
CSCwi60266	Cisco IOS XE Catalyst SD-WAN device with enterprise certificates not forming control connections with controllers after upgrade
CSCwk05068	No space left on device error seen on Cisco SD-WAN Controller.
CSCwj82987	Cisco-Hosted Catalyst Manager - Custom apps not recovered after upgrade to 20.10+
CSCwi72014	CDCS Tenant - SSH tool not working
CSCwj75749	Edit of basic parcel fails with "Required But Missing Attributes for transportGateway.value"

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.4

Identifier	Headline
CSCwk09812	Cisco SD-WAN Manager upgrade to version 20.12.3 with 32vCPU on-prem High CPU alarms
CSCwk20837	Route sent count is wrong in omp summary when Control Policy for TE is used.
CSCwh02871	Multiple alarms APIs RBAC is not working as expected.
CSCwb56080	Fail to deploy config group when AAA accounting "start stop" is set to False.
CSCwk14925	Cisco SD-WAN Validator running 20.6.5.2 experiencing kernel panic
CSCwk55344	Cisco SD-WAN Manager 20.12.3 Group of Interest not working properly when creating "Application List"
CSCwk37657	The devices brought up with PNP when pre deployed to a config group do not receive the full configuration
CSCwk37838	Copy of configuration group with Dual device type is creating as single router type.
CSCwk61283	Traffic class option not available when creating a traffic policy list.
CSCwk09399	Cisco SD-WAN Manager active user session gets flushed out after short period causing abrupt UI logouts.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.3.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.3.1

Identifier	Headline
CSCwi49242	After upgrading Cisco SD-WAN Manager to 20.12.2, local/AAA users won't be able to login after 10-15 mns reboot.

Identifier	Headline
CSCwj82987	Cisco-Hosted Catalyst Manager - Custom apps not recovered after upgrade to 20.10+
CSCwj39594	6-Node cluster DR Replication not working in certain scenario.
CSCwi95474	6 + 6 DR cluster elects replication leader which has no config-db and fails to connect to neo4j.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.3.1

Identifier	Headline
CSCwm70614	Stats data not visible after upgrading to 20.12.3.1 MTT setup.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.3

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.3

Identifier	Headline
CSCwi29893	Unable to configure tracker group when object tracker is configured as route.
CSCwf68955	Cisco SD-WAN Manager Log Poisoning bypass
CSCwf68959	Cisco SD-WAN Manager Audit Log CSV payload injection
CSCwf75967	Cisco SD-WAN Manager Malicious File Upload vulnerability
CSCwi33594	The DCA folder is piling UP with small files which is exhausting the space.
CSCwi65635	Cisco SD-WAN Manager is creating config with 3 x "router eigrp" configs which is not supported.
CSCwh81907	APN profile password was found in plain text when Cellular profile template was configured.
CSCwd94839	Cisco SD-WAN Manager GUI becomes unavailable due to authentication errors against configuration-db.
CSCwi27589	Cloud on ramp for multicloud deploy fails with error : Azure Error: RequestDisallowedByPolicy
CSCwh46931	Cisco SD-Branch: Failed to create network design: Failed to update one or more device profiles
CSCwe80348	Cluster creation may fail due to store ID mismatch in neo4j.
CSCwh16901	The HSEC license installation from the workflow does not complete.
CSCwi83788	/var/log/vconfd is filled with repeated messages pointing to Python cb_get_object error.

Identifier	Headline
CSCwi00334	LAN intf name in dual router config group workflow is getting modified after CG creation.
CSCwh83203	MT: Centralized policy push with overlapping sites is returing success but Cisco SD-WAN Controller rejects it.
CSCwi03952	Cisco SD-WAN Manager Template push failure | Failed to update configuration - CLI generation failed.
CSCwh04968	Control Session PPS increase and reset during the upgrade for Cisco vEdge device.
CSCwh18874	Replication takes 4+ hours to inject the 100MB of data on standby cluster-no make primary to switch
CSCwi80950	The Auto-Correct audit feature is deleting the cloudgateways in Multicloud after connectivity issues.
CSCwh02439	Cisco SD-WAN Manager - Unable to add devices to Cloud on Ramp for SaaS due to timeout while loading device list.
CSCwh87880	The usage of policy group for security configuration random push error.
CSCwi24780	Alarm:Analytics is enabled but relevant license is not present.
CSCwj05119	Cannot scroll up/down the drop down check list properly.
CSCwh85507	Fix error message on Cisco SD-WAN Manager when deploying configuration group have policy group attached.
CSCwh41461	Any new created Policy-Config will effact the update history of other Policy-Groups.
CSCwh80773	During periodic audit of Azure CoR if there is an AuthorizationFailed, Cisco SD-WAN Manager will remove CoR.
CSCwh38837	API call for dataservice/management/elasticsearch/index/size/estimate is failing.
CSCwf07155	"Set CSR Properties" for Controllers Cert Auth setting on Cisco SD-WAN Manager GUI is not getting disabled
CSCwi23113	Dual device site workflow is not generating correct key for vrrp IP address variable.
CSCwi62833	The SNMPv3 is not listening on IPv6 interface after Cisco SD-WAN Manager reload.
CSCwf95165	The vdaemon file is incomplete when generating a Cisco SD-WAN Manager admin-tech using GUI.
CSCwh29957	CLI Add-On Template's Config Diff shows wrong configuration.
CSCwh45608	20.9: IP Subnet Pool is not discovered when creating Azure CGW using existing vHUB.
CSCwi59963	The DCA process is continuously restarting after upgrade to 20.9.3.2
CSCwh73298	After upgrading the Cisco SD-WAN Manager from 20.6.x to 20.9.3 ES, the standby Cisco SD-WAN Manager reports down status.

Identifier	Headline
CSCwh81740	API call (dataservice/device/tloc) retrieve an additional color which is not present on the device.
CSCwh46024	Cisco SD-WAN Manager is not starting new traces due to high scaled full mesh network.
CSCwi43409	20.9/20.12: enforce character length validation for user, usergroup, password via confD
CSCwh28301	Cisco SD-WAN Manager GUI becomes very slow when a large template.
CSCwf40110	The option to add Switchport in the Configuration Group Templates is not available.
CSCwi01270	Cannot overwrite a FW security policy with a CLI add-on template, configuration is not seen on device
CSCwh11161	Device template fails on 20.6.5.2 due to SNMP community string.
CSCwf66968	Solution: "Failed to create/initialize database : vmanagedb" and node1 UI is not accessible.
CSCwh73776	20.13: Missing control-connection CLI Generation in CG.
CSCwh12619	"Routing DNA Essentials: Tier 0: 05M" is not available to choose in Cisco SD-WAN Manager GUI
CSCwh62321	Cisco SD-WAN Manager 20.12.1 / admintech upload tool is failing.
CSCwh93441	Cisco SD-WAN Manager: Unable to login SSH including ciscotacro/ciscotacrw.
CSCwi21156	SDCI-Azure connection creation failsAzure Error:PublicIpWithBasicSkuNotAllowedOnExpressRouteGateways
CSCwh66310	Intermittently the SSO user with tenantadmin privilege only getting basic access.
CSCwi30235	Issue with accessing Cisco SD-WAN Manager 20.6.6 GUI using upper-case letter on TACACS username
CSCwi04213	On-prem: New cloud services OTP doesn't get updated via API if OTP is already present in db.
CSCwh62306	Cisco SD-WAN Manager DR fails in the event that a vBond is unreachable.
CSCwi05515	DR Replication taking 2 hours for ~100 MB Size
CSCwh18738	Licenses unapplied from License Management in Cisco SD-WAN Manager after DR failover/failback.
CSCwi07172	The ssh and ntp are enabled by default in config. groups

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.3

Identifier	Headline
CSCwi72623	Change partition task stuck, during Cisco SD-WAN Manager upgrade activation from 20.12 to 20.14.
CSCwi53711	Cisco Catalyst SD-WAN Controller upgrade from 20.9.4.1-li to 20.12.2-li fails because of CDB boot error.
CSCwf34015	Unable to push template due to "no ip cef distributed"
CSCwb56080	Fail to deploy config group when AAA accounting "start stop" is set to False.
CSCwi16436	Lan Tracker: Configuration are not saved with correct ip address.
CSCwj09144	Cisco SD-WAN Manager || Intermittent request time out while trying to access administration user groups.
CSCwj12763	The ip name-server command not pushed to Cisco IOS XE Catalyst SD-WAN device.
CSCwj12589	Cisco IOS XE Catalyst SD-WAN device- dns-server addresses in dhcp config are pushed in wrong order.
CSCwh02871	Multiple alarms APIs RBAC is not working as expected.
CSCwj09324	Failed to deploy device with Policy Group. Connection event can be set for inspect action only.
CSCwi95474	6 + 6 DR cluster elects replication leader which has no config-db and fails to connect to neo4j
CSCwi99163	The statistics-database stops importing data with reason : Bulk insertion failur
CSCwj34301	Cisco SD-WAN Manager custom group user is not able to run speed test with 'Forbidden Request: roleNotAllowed'

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.2

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.2

Identifier	Headline
CSCwh05956	20.12.2: Alarms corresponding to events are not showing up on Cisco SD-WAN Manager for few devices with DR configuration.
CSCwf75967	Cisco SD-WAN Manager Malicious File Upload vulnerability
CSCwh25000	Cannot overwrite a FW security policy with a CLI add on template.
CSCwh11913	SD-WAN workflows ST and MT VNF primary image path is missing additional file path specified in virtual image page.
CSCwf90207	Edit of variables in additional settings is not working.

Identifier	Headline
CSCwf81695	Unable to add more than 30 VPN Interface SVI.
CSCwh84962	Cisco Catalyst SD-WAN Controller withdraws TLOC RIB out after going into GR.
CSCwf98777	Cisco Catalyst SD-WAN Controller policy is not sending the updated TLOC information.
CSCwh22127	Software initiated reboot due to OMPD crash (segmentation fault).
CSCwh32413	Fixed typo in diagnostics log filename.
CSCwd85558	The app-server java process is not initiating in 6 node 20.6 cluster .
CSCwh01870	Template push failed post Cisco SD-WAN Manager upgrade from 20.4 to 20.9 "udp udp-src-dst-port-list source range"
CSCwh24243	Suppress OMP advertisement of stale versioned TLOCs on Cisco Catalyst SD-WAN Controller
CSCwh11629	Template shows out of sync due to control flap caused by hardware Cisco Catalyst SD-WAN Edge device enterprise cert install.
CSCwf50089	Template push fails when ZBFW policy has sequences matching UDP ports 500/4500 in Cisco SD-WAN Manager 20.9
CSCwh26907	Cisco SD-WAN Manager GUI SaaS probe endpoint type URL is not allowing to use "-" character as value.
CSCwf93420	SD-WAN workflows/20.12.2: LAN OSPFv3 IPv4/IPv6: sub-feature parcel failed to be saved.
CSCwh88227	Application list with duplicate name entries in "Group of Interest".
CSCwf95317	Devices are not receiving the preference via the policy in a Multi-Tenant environment.
CSCwh30799	SD-WAN workflows missing nocloud property in payload when checked in Cisco SD-WAN Manager NFV config group UI.
CSCwh48782	TACACS netadmin users are not able to acess vshell on 20.12.
CSCwf83985	20.12:AWS-With Pure IPV6 overlay, vbond vpn 0 ge0/0 interface if-oper-status down after power off/on.
CSCwe90415	Massive update for feature template fails.
CSCwh24574	Application SLA traffic policy with base action allow without any match field is ignored.
CSCwf09036	Cisco SD-WAN Manager configures incorrect IKEv2 lifetime for IPSec tunnels.
CSCvt47226	Routes missing on a Cisco Catalyst SD-WAN Edge devices in a graceful-restart scenario.

Identifier	Headline
CSCwf85996	In Multi-Tenant Cisco SD-WAN Manager, Equinix ICGW is stuck in LIVE state, and not changing to ACTIVE state.
CSCwh06082	Unable to create Azure CGW using NVA created from Azure Portal.
CSCwf86315	Error unlocking device configuration mode to CLI mode.

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.2

Identifier	Headline
CSCwh62321	Cisco SD-WAN Manager_20.12.1 / admintech upload tool is failing.
CSCwh02871	Multiple alarms APIs RBAC is not working as expected.
CSCwf34015	Unable to push template due to "no ip cef distributed".
CSCwh69041	20.13:SDCI connection using Multicloud TGW marked as success / traffic fails.
CSCwb56080	Failed to deploy configuartion group when AAA accounting "start stop" is set to False.
CSCwh87880	The usage of policy group for security configuration has random push error.
CSCwh62306	Cisco SD-WAN Manager DR fails in the event that a Cisco Catalyst SD-WAN Validator is unreachable.
CSCwh28301	Cisco SD-WAN Manager GUI becomes very slow when a large template with 1000+ variables is uploaded.
CSCwh97370	The NAT DIA interface < name> overload egress-interface < interface> is not pushed to Cisco IOS XE Catalyst SD-WAN device.

Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.1

Resolved Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.1

Identifier	Headline
CSCwe95606	Double GR_Additional log enablement defect
CSCwf68955	Cisco SD-WAN Manager Log Poisoning bypass
CSCwf68959	Cisco SD-WAN Manager Audit Log CSV payload injection
CSCwe66540	Cisco Catalyst SD-WAN : Decommissioning or deleting device did not release the license.
CSCwe95368	- AAR Default SLA values changing by the system
CSCwf68886	Cisco SD-WAN Manager deletes the custom folder whenever editing the IPS settings

Identifier	Headline
CSCwf48674	Cisco IOS XE Catalyst SD-WAN device unified security policy template fails to enable geo database
CSCwf98724	20.11/12 ST/MT: updating app server logo via nms command is not working
CSCwf21372	Cisco SD-WAN Manager does not recognize the resource group for resource group admin login via TACACS
CSCwf63511	OSPFv3 - "Advertise" command not appearing on OSPFv3 for IPV4 address-family
CSCwe85177	Scroll up or down under feature template box change the values.
CSCwe83858	Unable to update DHCP Tunnel interface template if template was cloned from factory default template
CSCwe42158	Cisco SD-WAN Manager GUI : Incorrect Average Values for Latency/Jitter/Loss percentage for Edge Routers
CSCwe57259	Template pushed with wrong APN settings, Cisco SD-WAN Manager shows wrong APN config even after rollbacked.
CSCwe91258	Wireless Template cannot be attached to a C1113-8PLTELAWZ device
CSCwe88453	Cisco SD-WAN Manager not including net mask for BGP for a /32
CSCwf10147	Topology API showing only data links on Cisco Edge devices
CSCwe76283	Cloud Gateway Attachment is not shown for dedicated mode after tag is unmapped
CSCwf63112	Unable to edit the user group's created under Administration > Manage Users.
CSCwf03555	Cisco SD-WAN Manager unable to parse certain timezones and is triggering certificate installation process
CSCwf45552	Cisco Catalyst SD-WAN CoR for SaaS - Enable O365 Application Error
CSCwf51992	Need to hide/remove "key" field in TACACS server configuration in AAA template
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"
CSCwe31281	20.9 Autotunnel Ipsec tracker:Tracker does not come up at all on vedge
CSCwd54278	aaamgr process restarts unexpectedly
CSCwf67622	Cisco SD-WAN Manager is loading continuously when a new user access is created with Network Hierarchy.
CSCwf63504	OSPFv3 - "distance" command not showing under address-family ipv4

Identifier	Headline
CSCwe87281	Cisco SD-WAN Manager pushing DH group (14,15,16) for SIG template for IKEv2 (unsupported by Umbrella)
CSCwf49674	Cisco SD-WAN Manager is modifying load_balance .json leading to the edges to be disconnected.
CSCwe63222	Certificate output is not getting changed on renew when Cloud Certificate Authorization is Automated
CSCwf28362	Cisco SD-WAN Manager is not generating alarm notifications to be sent to Webhooks server.
CSCwf34096	168 Cisco vEdge 5000 device inbuilt certificate expiring on 12th Nov 2023
CSCwd46383	Cisco SD-WAN Software Denial of Service Vulnerability

Open Bugs for Cisco Catalyst SD-WAN Control Components Release 20.12.1

Identifier	Headline
CSCwf82106	20.10 20.11- Localhost can't be modified to IP in Cluster management Page : GRPC error CO for ZK
CSCwq91481	DR: Scale configuration causes neo4j to crash and restart in secondary when deleting & importing SYSTEMDEVICESNODE.
CSCwh02871	Multiple alarms APIs RBAC is not working as expected
CSCwh16392	20.12-Tacacs server configuration broken for cloud-init config
CSCwh06082	Unable to create Azure CGW using NVA created from Azure Portal
CSCwh24574	Application SLA Traffic Policy with Base Action Allow without any match field is ignored
CSCwf98976	Cannot save application priority & SLA profile if intf value from drop down list is used first time
CSCwh18738	Licenses unapplied from License Management in Cisco SD-WAN Manager after DR failover/failback
CSCwf85996	In Multi-Tenant Cisco SD-WAN Manager, Equinix ICGW is stuck in LIVE state, not changing to ACTIVE state
CSCwh24857	Cisco SD-WAN Manager UI should show the error when Upper case letter present in " User Group Name"
CSCwh24921	17.12 OGREF: Add Cisco SD-WAN Manager restriction for OGREF toggle
CSCwh24577	IPv6 Neighbor doesn't establish with default Application SLA Traffic Policy Simple workflow

Identifier	Headline
CSCwq33835	DR replication fails with large configuration - Neo4j OOM on standby
CSCwp05800	[20.12] Drop labels/nodes cause OOM on scaled setup

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 Catalyst SD-WAN Manager API

For information on Cisco SD-WAN Manager Release 20.12.x APIs, see Cisco SD-WAN Manager API.

Cisco SD-WAN Manager GUI Changes

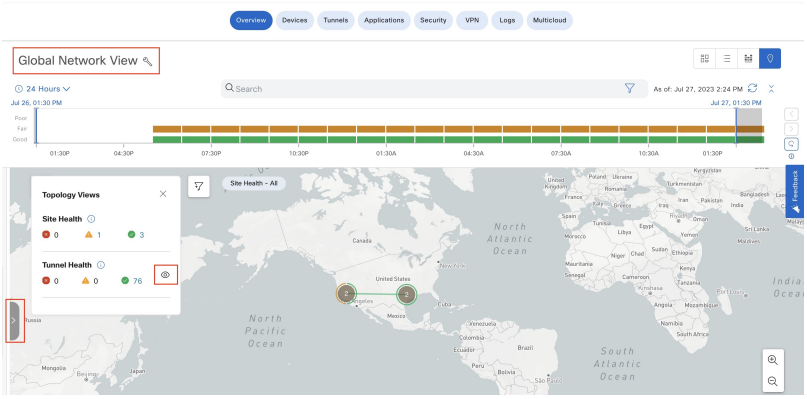
This section presents a comparative summary of the significant GUI changes between Cisco vManage Release 20.11.1 and Cisco Catalyst SD-WAN Manager Release 20.12.1.

Monitor Overview Page

Cisco Catalyst SD-WAN Manager Release 20.12.1 includes the following GUI changes to the **Monitor** > **Overview** page. For more information about the **Monitor** > **Overview** page, see Cisco SD-WAN Manager Monitor Overview.

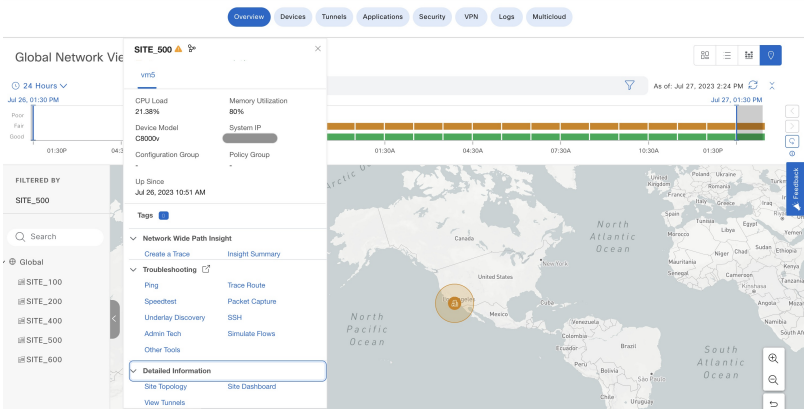
- The **Global Topology** view is called as **Global Network View** in Cisco SD-WAN Manager.

Figure 1: Global Network View in Monitor - Overview Page



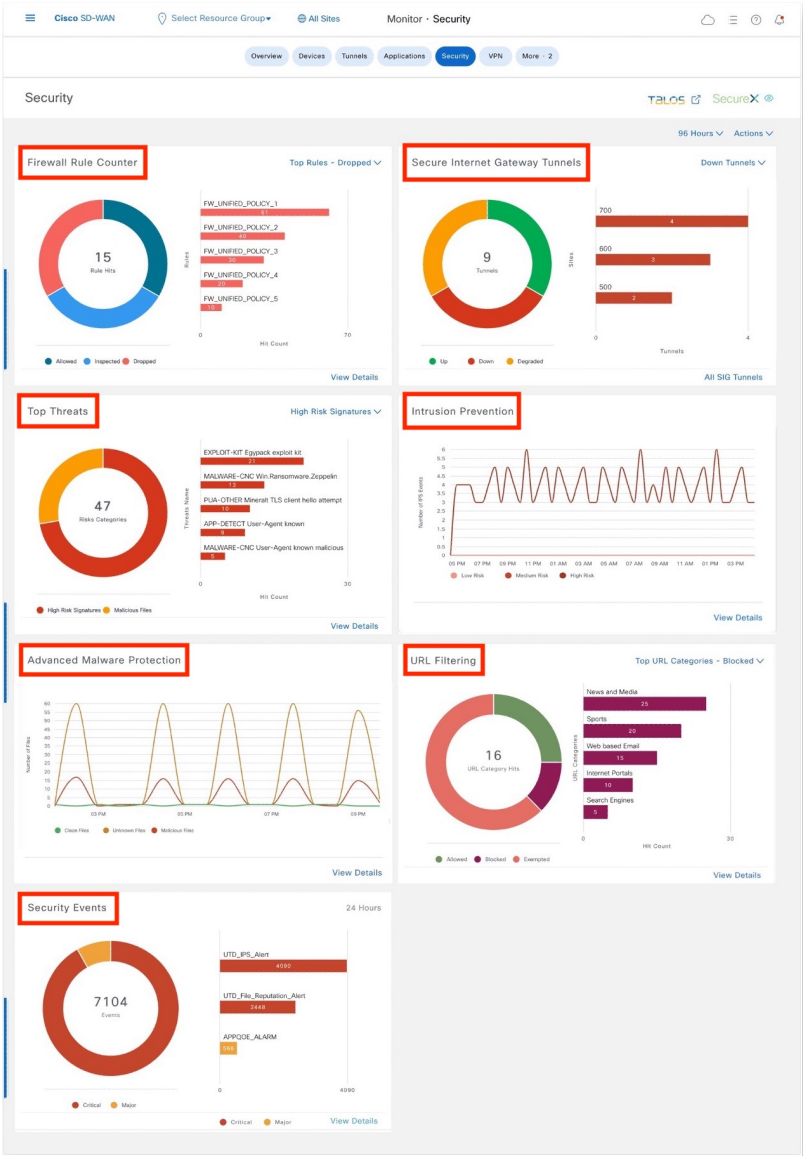
Click the eye icon to view the tunnel connection with aggregated tunnel health between the sites. Click the arrow on the left to open the network hierarchy menu.

Figure 2: Device Details for the Selected Site in Global Network View



- Cisco Catalyst SD-WAN Manager's security dashboard is enhanced to provide greater flexibility in troubleshooting security threats.

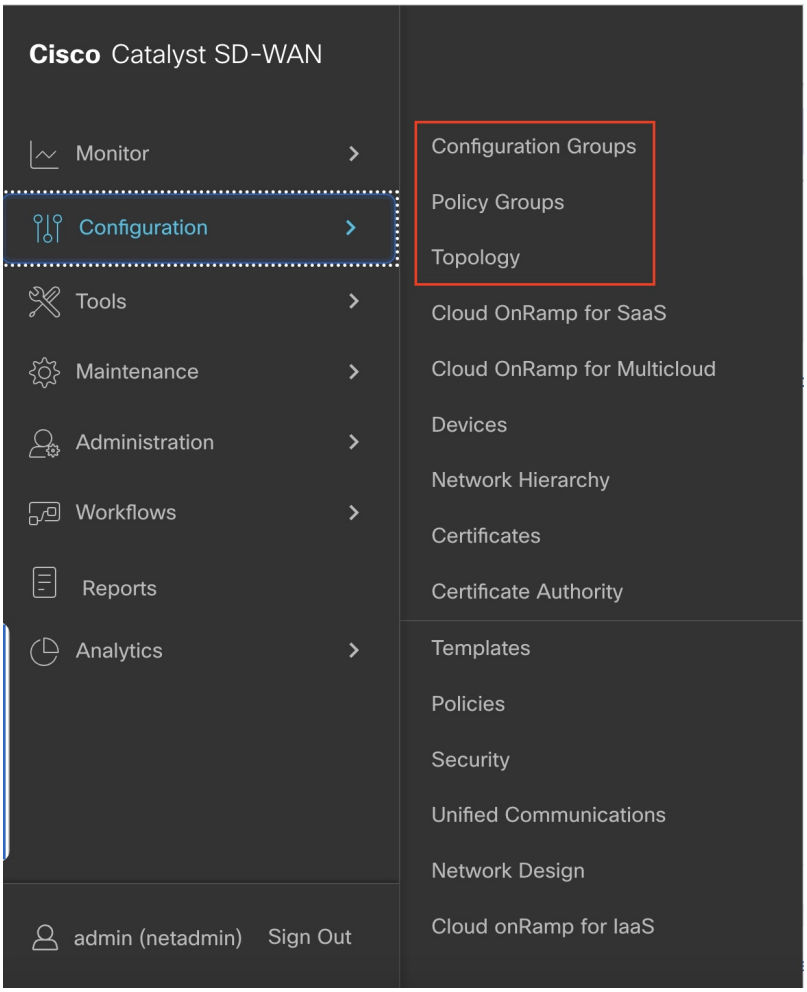
Figure 3: Enhancements to the Security Dashboard Through Modified Dashlets in the Monitor - Security Page



Configuration Page

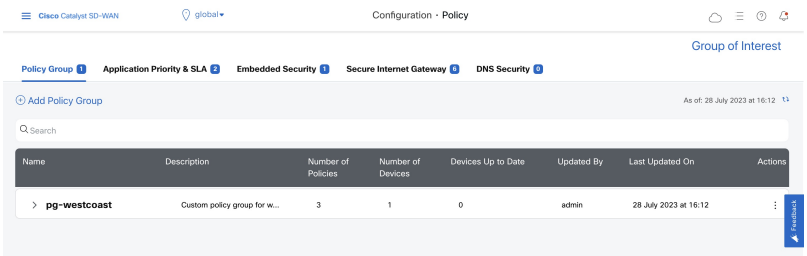
New submenus are added to the **Configuration** menu in Cisco Catalyst SD-WAN Manager menu.

Figure 4: New Submenus in the Configuration Menu



New menus are available in the **Configuration** > **Policy Groups** page to configure policy groups and security policies.

Figure 5: Policy Page for Configuring Policy Groups and Security Policies

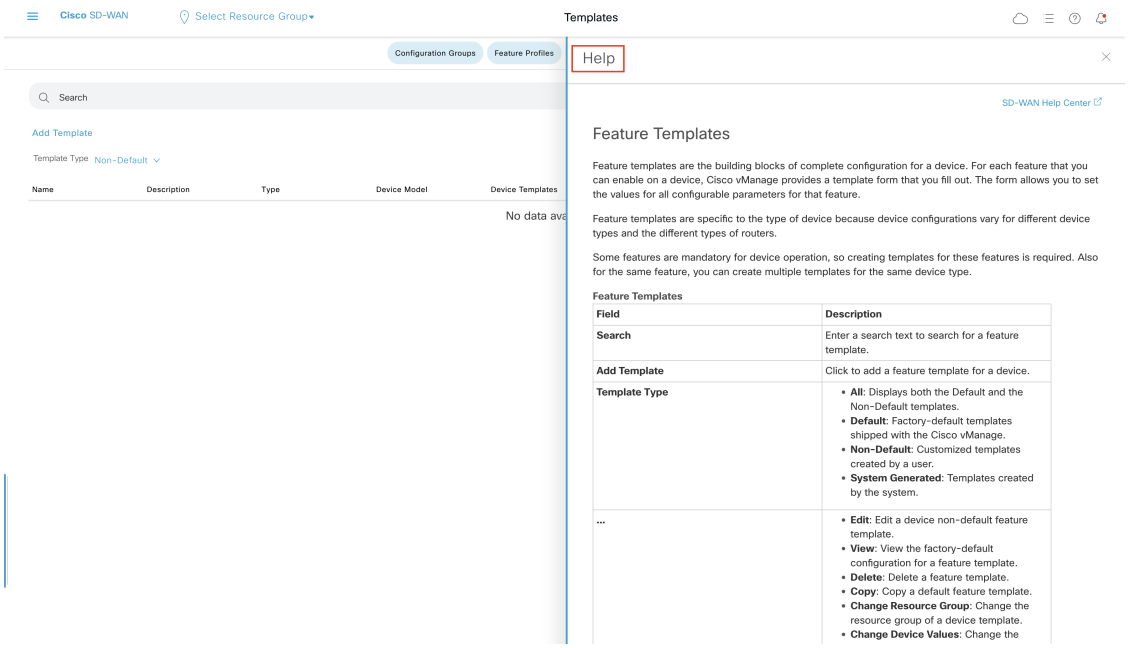


In-product Help

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 6: Help Content in a Slide-in Pane

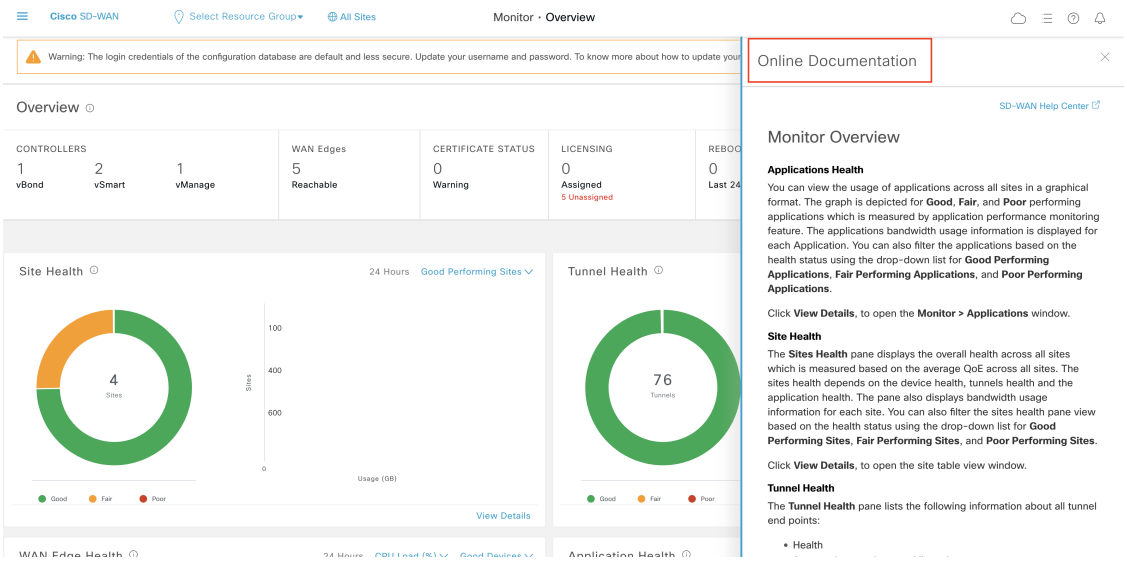


Cisco DNA Sense

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 **Online Documentation** 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 **Online Documentation** 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
- Cisco Bulletins
- Cisco Recommended Catalyst SD-WAN Software Versions for Controllers and WAN Edge Routers

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