



## Cisco Catalyst SD-WAN Remote Access Features

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### Cisco Catalyst SD-WAN Remote Access Feature History

*Table 1: Feature History*

| Feature Name                                                                 | Release Information                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cisco Catalyst SD-WAN Remote Access                                          | Cisco IOS XE Catalyst SD-WAN Release 17.7.1a<br><br>Cisco vManage Release 20.7.1   | <p>Remote access refers to enabling secure access to an organization's network from devices at remote locations.</p> <p>Cisco Catalyst SD-WAN Remote Access (SD-WAN RA) integrates remote access functionality into Cisco Catalyst SD-WAN. SD-WAN RA enables Cisco IOS XE Catalyst SD-WAN devices to function as remote access headends, managed through Cisco SD-WAN Manager. This eliminates the need for separate Cisco Catalyst SD-WAN and remote access infrastructure, and enables rapid scalability of remote access services.</p> <p>Remote access users can use the same software- or hardware-based remote access clients as with solutions that do not integrate with Cisco Catalyst SD-WAN. For remote access users, benefits include extending Cisco Catalyst SD-WAN features to remote users. Remote access users can access applications hosted on-premises, applications hosted in IaaS, SaaS applications, or the internet.</p> |
| Cisco Catalyst SD-WAN Remote Access Configuration Using Cisco SD-WAN Manager | Cisco IOS XE Catalyst SD-WAN Release 17.11.1a<br><br>Cisco vManage Release 20.11.1 | <p>This feature enables you to configure Cisco Catalyst SD-WAN Remote Access for a device, using Cisco SD-WAN Manager. Configure Remote Access using the System feature profile in a configuration group.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Feature Name                                                                                 | Release Information                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cisco Catalyst SD-WAN Remote Access Configuration in SSL-VPN mode Using Cisco SD-WAN Manager | Cisco IOS XE Catalyst SD-WAN Release 17.12.1a<br>Cisco Catalyst SD-WAN Manager Release 20.12.1 | This feature enables you to configure Cisco Catalyst SD-WAN Remote Access for a device in SSL-VPN mode, using Cisco SD-WAN Manager.                                                                                                                                                                                                                                                                                          |
| Monitor Cisco Catalyst SD-WAN Remote Access Devices                                          | Cisco IOS XE Catalyst SD-WAN Release 17.14.1a<br>Cisco Catalyst SD-WAN Manager Release 20.14.1 | This feature enhances the monitoring of remote access devices. Cisco SD-WAN Manager can provide the following information: <ul style="list-style-type: none"> <li>• Number of remote access (RA) headends in the network and the supported RA mode (IPsec/SSLVPN).</li> <li>• Number of remote access sessions in the network and sessions per remote access headend, categorized into remote access client type.</li> </ul> |

## SD-WAN Remote Access Feature Summary

*Table 2: SD-WAN RA Feature Summary*

| Feature                                                                        | Description                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cisco Catalyst SD-WAN Remote Access connection type (also referred to as mode) | <ul style="list-style-type: none"> <li>• IKEv2/IPsec</li> <li>• SSL-VPN (TLS)</li> </ul> <p><b>Note</b><br/>IKE2/IPsec is the recommended and the default mode when configured from Cisco SD-WAN Manager.</p> |

| Feature                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported remote access clients                                         | <p>Cisco Catalyst SD-WAN Remote Access enables Cisco IOS XE Catalyst SD-WAN devices to terminate connections from the following types of client:</p> <p>IPsec mode:</p> <ul style="list-style-type: none"> <li>• Software: Cisco AnyConnect (IKEv2/IPsec)</li> <li>• Hardware: Cisco IOS-XE router functioning as a small office/home office (SOHO) remote access client</li> </ul> <p>SSL mode:</p> <ul style="list-style-type: none"> <li>• Software: Cisco AnyConnect (SSL mode)</li> </ul> <p><b>Note</b><br/>Remote access clients must be pre-configured with the DNS names or public IP addresses of the primary and backup Cisco Catalyst SD-WAN Remote Access headends.</p> |
| Supported platforms for the Cisco Catalyst SD-WAN Remote Access headend | <p>IPsec mode:</p> <ul style="list-style-type: none"> <li>• Cisco Catalyst 8300-1N1S-6T</li> <li>• Cisco Catalyst 8300-1N1S-4T2X</li> <li>• Cisco Catalyst 8300-2N2S-4T2X</li> <li>• Cisco Catalyst 8300-2N2S-6T</li> <li>• Cisco Catalyst 8500-12X</li> <li>• Cisco Catalyst 8500-12X4QC</li> <li>• Cisco Catalyst 8500L</li> <li>• Cisco Catalyst 8000V Edge Software</li> </ul> <p>SSL(TLS) mode:</p> <ul style="list-style-type: none"> <li>• Cisco Catalyst 8000V Edge Software</li> </ul>                                                                                                                                                                                      |
| Supported certificate authority (CA) servers                            | <p>Any simple certificate enrollment protocol (SCEP)-capable CA server.</p> <p>The CA server provisions certificates on the Cisco IOS XE Catalyst SD-WAN devices that enable the remote access headend to authenticate itself to remote access clients when the headend is configured to use certificate-based authentication.</p> <p>It is common for the CA server to be deployed at a data center site in the service VPN, together with the RADIUS server.</p>                                                                                                                                                                                                                   |

| Feature                                                        | Description                                                                                                                                                                                                                                                |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Authentication, authorization, and accounting (AAA) management | <p>RADIUS/extensible authentication protocol (EAP) server for authentication of remote access clients and for per-user policy management.</p> <p>It is common for the RADIUS server to be deployed at a data center site, together with the CA server.</p> |
| Configuration method                                           | Cisco SD-WAN Manager CLI template and using configuration groups.                                                                                                                                                                                          |
| Monitoring                                                     | <ul style="list-style-type: none"><li>• Monitoring Cisco Catalyst SD-WAN Remote Access devices through Cisco SD-WAN Manager.</li><li>• Monitoring also through <b>show</b> commands and syslogs on the remote access headend devices.</li></ul>            |