Cisco Catalyst SD-WAN Device Compatibility

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The tables that follow describe devices compatible with Cisco Catalyst SD-WAN, and indicate the minimum software version required for support. Where relevant, they indicate the last supported release.

For complete information about which software versions are compatible with specific Cisco Catalyst SD-WAN Control Component releases, see the Cisco SD-WAN Controller Compatibility Matrix and Server Recommendations.

Note On Cisco vEdge devices, downgrade is not supported completely. When you upgrade to a newer version and then revert to an older version, the downgrade is successful as it uses the original config database. However, when you try to downgrade to a different version, the downgrade may fail as the older version is not compatible to the new config database.

For example, when there is a node running on 20.3.2 version and is upgraded to 20.6.1 and if you want to go back to 20.3.2 version, it is successful. But, if you want to downgrade to 20.3.1 version or any versions other than 20.3.2, it may fail.

For related information, see the References section.

Cisco Catalyst 8500 Series Edge Platforms

Device Family	Model	Minimum Supported Software Release
Cisco Catalyst 8500 Series Edge Platforms	C8500-12X	Cisco IOS XE Release 17.3.2
	C8500-12X4QC	Cisco IOS XE Release 17.3.2
	C8500L-8S4X	Cisco IOS XE Release 17.4.1a
	C8500-20X6C	Cisco IOS XE Release 17.10.1a

Cisco Catalyst 8300 Series Edge Platforms

Device Family	Model	Minimum Supported Software Release
Cisco Catalyst 8300 Series Edge Platforms	C8300-1N1S-4T2X C8300-1N1S-6T C8300-2N2S-4T2X C8300-2N2S-6T	Cisco IOS XE Release 17.3.2

Cisco Catalyst 8200 Series Edge Platforms

Device Family	Model	Minimum Supported Software Release
Cisco Catalyst 8200 Series Edge Platforms	C8200-1N-4T	Cisco IOS XE Release 17.4.1a
	C8200L-1N-4T	Cisco IOS XE Release 17.5.1a

Cisco Catalyst 8200 uCPE Series Edge Platforms

Device Family	Model	Minimum Supported Software Release
Cisco Catalyst 8200 uCPE Series Edge Platforms	C8200-UCPE-1N8	Cisco IOS XE Release 17.4.1a

Cisco ASR 1000 Series Aggregation Services Routers

Device Family	Model	Minimum Supported Software Release	Last Supported Software Release
Cisco ASR 1000 Series Aggregation Services Routers	ASR 1001-HX	Cisco IOS XE SD-WAN Release 16.9.1	
	ASR 1001-X	Cisco IOS XE SD-WAN Release 16.9.1	Cisco IOS XE Release 17.9.x
	ASR 1002-HX	Cisco IOS XE SD-WAN Release 16.9.1	
	ASR 1002-X	Cisco IOS XE SD-WAN Release 16.9.1	Cisco IOS XE Release 17.9.x
	ASR 1006-X-DNA	Cisco IOS XE Release 17.5.1	Cisco IOS XE Release 17.12.x

Cisco ISR 4000 Series Integrated Services Routers

Device Family	Model	Minimum Supported Software Release	Last Supported Software Release
Cisco ISR 4000 Series Integrated Services Routers	ISR 4321	Cisco IOS XE SD-WAN Release 16.9.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4331	Cisco IOS XE SD-WAN Release 16.9.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4351	Cisco IOS XE SD-WAN Release 16.9.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4221	Cisco IOS XE SD-WAN Release 16.9.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4221X	Cisco IOS XE SD-WAN Release 16.10.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4431	Cisco IOS XE SD-WAN Release 16.10.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4451	Cisco IOS XE SD-WAN Release 16.10.1	Cisco IOS XE SD-WAN Release 17.12.x
	ISR 4461	Cisco IOS XE SD-WAN Release 16.11.1	

Cisco ISR 1100 and ISR 1100X Series Integrated Services Routers

Device Family	Model	Minimum Supported Software Release
Cisco ISR 1100 and ISR 1100X Series Integrated Services Routers	ISR1100-4G ISR1100-4GLTE ISR1100-4GLTENA ISR1100-4GLTEGB ISR1100-6G	Cisco IOS XE Release 17.4.1a Cisco SD-WAN (Viptela OS) Release 19.2.3
	ISR1100X-4G ISR1100X-6G	Cisco IOS XE Release 17.4.1a Cisco SD-WAN (Viptela OS) Release 20.4.2

Cisco ISR 1000 Series Integrated Services Routers

Device Family	Model	Minimum Supported Software Release
Cisco ISR 1000 Series Integrated Services Routers	C1101-4P	Cisco IOS XE SD-WAN Release 16.10.1
	C1101-4PLTEPWX	Cisco IOS XE SD-WAN Release 16.12.1
	C1101-4PLTEP	Cisco IOS XE SD-WAN Release 16.12.1
	C1109-2PLTEGB	Cisco IOS XE Release 17.2.1
	C1109-2PLTEUS	Cisco IOS XE Release 17.2.1
	C1109-2PLTEVZ	Cisco IOS XE Release 17.2.1
	C1109-4PLTE2P	Cisco IOS XE SD-WAN Release 16.12.1
	C1109-4PLTE2PWZ	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4P	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8P	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PLTEEA	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PLTELA	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PW	Cisco IOS XE Release 17.4.1
	C1111-8PW	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTEEA	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELA	Cisco IOS XE SD-WAN Release 16.12.1
	C1111X-8P	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTEEAWA	Cisco IOS XE SD-WAN Release 16.12.1

Device Family	Model	Minimum Supported Software Release
	C1111-8PLTEEAWB	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTEEAWE	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTEEAWR	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWD	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWE	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWF	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWH	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWN	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWQ	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWS	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWZ	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTELAWA	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-8PLTEAWY	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWA	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWB	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWD	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWE	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWF	

Device Family	Model	Minimum Supported Software Release
		Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWH	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWN	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWQ	Cisco IOS XE SD-WAN Release 16.12.1
	C1111-4PWR	Cisco IOS XE SD-WAN Release 16.12.1
	C1112-8P	Cisco IOS XE Release 17.4.1
	C1112-8PLTEEA	Cisco IOS XE Release 17.4.1
	C1112-8PLTEEAWE	Cisco IOS XE Release 17.4.1
	C1112-8PWE	Cisco IOS XE Release 17.4.1
	C1113-8PLTEEA	Cisco IOS XE Release 17.2.1
	C1113-8PLTEEAW	Cisco IOS XE Release 17.4.1
	C1113-8PLTELA	Cisco IOS XE Release 17.4.1
	C1113-8PLTELAWZ	Cisco IOS XE Release 17.4.1
	C1113-8PM	Cisco IOS XE Release 17.4.1
	C1113-8PMLTEEA	Cisco IOS XE SD-WAN Release 16.12.1
	C1113-8PMWE	Cisco IOS XE Release 17.4.1
	C1113-8PWA	Cisco IOS XE Release 17.4.1
	C1113-8PWB	Cisco IOS XE Release 17.4.1
	C1113-8PWE	Cisco IOS XE Release 17.4.1
	C1113-8PWZ	Cisco IOS XE Release 17.4.1
	C1113-8PLTEEAWA	Cisco IOS XE Release 17.2.1
	C1113-8PLTEEAWB	Cisco IOS XE Release 17.2.1
	C1113-8PLTEEAWE	Cisco IOS XE Release 17.2.1
	C1116-4P	

Device Family	Model	Minimum Supported Software Release
		Cisco IOS XE SD-WAN Release 16.12.1
	C1116-4PLTEEA	Cisco IOS XE SD-WAN Release 16.12.1
	C1116-4PLTEEAWE	Cisco IOS XE Release 17.5.1
	C1116-4PLTEEAWA	Cisco IOS XE SD-WAN Release 16.12.1
	C1116-4PWE	Cisco IOS XE Release 17.4.1
	C1117-4P	Cisco IOS XE SD-WAN Release 16.12.1
	C1117-4PLTEEAW	Cisco IOS XE Release 17.4.1
	C1117-4PMLTEEA	Cisco IOS XE Release 17.4.1
	C117-4PLTELA	Cisco IOS XE SD-WAN Release 16.12.1
	C1117-4PLTELAWZ	Cisco IOS XE Release 17.4.1
	C1117-4PM	Cisco IOS XE SD-WAN Release 16.12.1
	C1118-8P	Cisco IOS XE Release 17.4.1
	C1121-4P	Cisco IOS XE Release 17.2.1
	C1121-4PLTEP	Cisco IOS XE Release 17.2.1
	C1121-8P	Cisco IOS XE Release 17.2.1
	C1121-8PLTEP	Cisco IOS XE Release 17.2.1
	C1121X-8PLTEP	Cisco IOS XE Release 17.2.1
	C1121X-8PLTEPW	Cisco IOS XE Release 17.2.1
	C1126-8PLTEP	Cisco IOS XE Release 17.2.1
	C1127-8PLTEP	Cisco IOS XE Release 17.2.1
	C1127-8PMLTEP	Cisco IOS XE Release 17.2.1
	C1128-8PLTEP	Cisco IOS XE Release 17.2.1
	C1131-8PW	Cisco IOS XE Release 17.7.1
	C1131-8PLTEPW	Cisco IOS XE Release 17.7.1

Device Family	Model	Minimum Supported Software Release
	C1131X-8PW	Cisco IOS XE Release 17.7.1
	C1131X-8PLTEPW	Cisco IOS XE Release 17.7.1
	C1161-8P	Cisco IOS XE Release 17.2.1
	C1161-8PLTEP	Cisco IOS XE Release 17.4.1
	C1161X-8P	Cisco IOS XE Release 17.2.1
	C1161X-8PLTEP	Cisco IOS XE Release 17.2.1

Cisco IR1101 Integrated Services Router Rugged

Device Family	Model	Minimum Supported Software Release
Cisco IR1101 Integrated Services Router Rugged	IR-1101-K9	Cisco IOS XE SD-WAN Release 16.12.1
	IR-1101-A-K9	Cisco IOS XE SD-WAN Release 16.12.1

Cisco Catalyst IR1800 Rugged Series Routers

Device Family	Model	Minimum Supported Software Release
Cisco Catalyst IR1800 Rugged Series Routers	IR1821-K9	Cisco IOS XE Release 17.6.1a
	IR1831-K9	Cisco IOS XE Release 17.6.1a
	IR1833-K9	Cisco IOS XE Release 17.6.1a
	IR1835-K9	Cisco IOS XE Release 17.6.1a

Cisco Catalyst IR8100 Heavy Duty Series Router

Device Family	Model	Minimum Supported Software Release
Cisco IR8140 Heavy Duty Router	IR8140H	Cisco IOS XE Release 17.7.1
	IR8140H-P	Cisco IOS XE Release 17.7.1

Cisco IR8300 Integrated Services Router Rugged

Device Family	Model	Minimum Supported Software Release
Cisco IR8300 Integrated Services Router Rugged	IR8340-K9	Cisco IOS XE Release 17.7.1

Cisco 5000 Series Enterprise Network Compute System

Device Family	Model	Minimum Supported Software Release
Cisco 5000 Series Enterprise Network Compute System	ENCS 5104 ENCS 5406 ENCS 5408 ENCS 5412 with T1/E1 and 4G NIM modules	Cisco IOS XE SD-WAN Release 16.10.1

Cisco ESR6300 Embedded Series Routers

Device Family	Model	Minimum Supported Software Release
Cisco ESR6300 Embedded Series Routers	ESR-6300-NCP-K9	Cisco IOS XE SD-WAN Release 17.9.1a
	ESR-6300-CON-K9	Cisco IOS XE SD-WAN Release 17.6.1a

Cisco vEdge Devices

Device Family	Model	Minimum Supported Software Release
Cisco vEdge Routers	vEdge 100	Cisco vEdge (Viptela OS) Release 18.4
	vEdge 100b	Cisco vEdge (Viptela OS) Release 18.4
	vEdge 100m	Cisco vEdge (Viptela OS) Release 18.4
	vEdge 100wm	Cisco vEdge (Viptela OS) Release 18.4
	vEdge 1000	Cisco vEdge (Viptela OS) Release 18.4
	vEdge 2000	Cisco vEdge (Viptela OS) Release 18.4
	vEdge 5000	Cisco vEdge (Viptela OS) Release 18.4

Virtual (Software) Platforms

Device Family	Model	Minimum Supported Software Release
Cisco CSR 1000v Series Cloud Services Routers	CSR 1000V	Cisco IOS XE SD-WAN Release 16.11.1
Cisco Catalyst 8000V Edge Software	Catalyst 8000V	Cisco IOS XE Release 17.4.1
Cisco ISRv	ISRv	Cisco IOS XE SD-WAN Release 16.9.1

Device Family	Model	Minimum Supported Software Release
Cisco vEdge Cloud Router	Cisco vEdge Cloud Router	Cisco vEdge (Viptela OS) Release 18.4

Cellular Gateways

Device Family	Model	Minimum Supported Software Release
Cisco Catalyst Cellular Gateways	CG418-E	Cisco IOS XE Release 17.4.1 through 17.5.x Cisco IOS CG 17.6.1
	CG522-E	Cisco IOS XE Release 17.4.1 through 17.5.x Cisco IOS CG 17.6.1

Teleworker Wireless Gateways

Device Family	Model	Minimum Supported Software
Cisco Catalyst Wireless Gateways	CG113-W6	Cisco IOS CG Release 17.9.1a
	CG113-4GW6	Cisco IOS CG Release 17.9.1a

Interfaces and Modules

Cisco Catalyst 8300 Series Edge Platforms Interfaces and Modules

Cisco Catalyst 8200 Series Edge Platforms Interfaces and Modules

Cisco Catalyst 8200 uCPE Series Edge Platforms Interfaces and Modules

Cisco ISR 4000 Series Integrated Services Routers Interfaces and Modules

References

For information about...	Reference
For each Cisco Catalyst SD-WAN release, new functionality, new and enhanced hardware features, and so on	Cisco Catalyst SD-WAN release notes
Minimum required versions of Cisco Catalyst SD-WAN controllers for each platform series	Cisco SD-WAN Controller Compatibility Matrix and Server Recommendations