



Supported Cisco MDS NX-OS Software Nondisruptive Upgrade Paths

This section provides information on nondisruptive upgrade paths that are supported for Cisco MDS NX-OS software Release 9.x. It includes the following topics:

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Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4(2a)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.4(2)	Upgrade directly to MDS NX-OS Release 9.4(2a)
9.4(1a)	Upgrade directly to MDS NX-OS Release 9.4(2a)
9.4(1)	Upgrade directly to MDS NX-OS Release 9.4(2a)
9.3(x)	Upgrade directly to MDS NX-OS Release 9.4(2a)
9.2(x)	Upgrade directly to MDS NX-OS Release 9.4(2a)
8.5(1)	Upgrade directly to MDS NX-OS Release 9.4(2a)
8.4(2c), 8.4(2d), 8.4(2e), 8.4(2f)	Upgrade directly to MDS NX-OS Release 9.4(2a)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
Any 8.x prior to 8.4(2c)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) or 8.4(2e) or 8.4(2f). • Upgrade to MDS NX-OS Release 9.4(2a)
7.3(1)DY	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 8.4(c) • Upgrade to MDS NX-OS Release 9.4(2a)
6.2(29), 6.2(31), 6.2(33)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) • Upgrade to MDS NX-OS Release 9.4(2a)

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4(2)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.4(1a)	
9.4(1)	Upgrade directly to MDS NX-OS Release 9.4(2)
9.3(x)	Upgrade directly to MDS NX-OS Release 9.4(2)
9.2(x)	Upgrade directly to MDS NX-OS Release 9.4(2)
8.5(1)	Upgrade directly to MDS NX-OS Release 9.4(2)
8.4(2c), 8.4(2d), 8.4(2e), 8.4(2f)	Upgrade directly to MDS NX-OS Release 9.4(2)
Any 8.x prior to 8.4(2c)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) or 8.4(2e) or 8.4(2f). • Upgrade to MDS NX-OS Release 9.4(2)
7.3(1)DY	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 8.4(c) • Upgrade to MDS NX-OS Release 9.4(2)
6.2(29), 6.2(31), 6.2(33)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) • Upgrade to MDS NX-OS Release 9.4(2)

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4(1a)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.4(1)	Upgrade directly to MDS NX-OS Release 9.4(1a)
9.3(x)	Upgrade directly to MDS NX-OS Release 9.4(1a)
9.2(x)	Upgrade directly to MDS NX-OS Release 9.4(1a)
8.5(1)	Upgrade directly to MDS NX-OS Release 9.4(1a)
8.4(2c), 8.4(2d), 8.4(2e), 8.4(2f)	Upgrade directly to MDS NX-OS Release 9.4(1a)
Any 8.x prior to 8.4(2c)	<ul style="list-style-type: none"> Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) or 8.4(2e) or 8.4(2f). Upgrade to MDS NX-OS Release 9.4(1a)
7.3(1)DY	<ul style="list-style-type: none"> Upgrade to MDS NX-OS Release 8.1(1b) Upgrade to MDS NX-OS Release 8.4(c) Upgrade to MDS NX-OS Release 9.4(1a)
6.2(29), 6.2(31), 6.2(33)	<ul style="list-style-type: none"> Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) Upgrade to MDS NX-OS Release 9.4(1a)

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4(1)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.(x)	Upgrade directly to MDS NX-OS Release 9.4(1)
8.5(1)	Upgrade directly to MDS NX-OS Release 9.4(1)
8.4(2f), 8.4(2e), 8.4(2d), and 8.4(2c)	Upgrade directly to MDS NX-OS Release 9.4(1)
8.4(2b) and prior releases ¹	<ul style="list-style-type: none"> Upgrade to MDS NX-OS Release 8.4(2c), 8.4(2d), 8.4(2e) and 8.4(2f). Upgrade to MDS NX-OS Release 9.4(1)
All 7.3(x) releases	<ul style="list-style-type: none"> Upgrade to MDS NX-OS Release 8.4(2c) or 8.1(1b) Upgrade to MDS NX-OS Release 9.4(1)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
6.2(29) and above releases	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) or 8.1(1b) • Upgrade to MDS NX-OS Release 9.4(1)

¹ If the SAN Analytics feature is enabled, then disable the SAN Analytics feature using the **no feature analytics** command before upgrading from Cisco MDS NX-OS 8.2(x) or Cisco MDS NX-OS 8.3(x) to Cisco MDS NX-OS Release 9.2(1) or later. However, you can upgrade from Cisco MDS NX-OS Release 8.4(1) and above releases to Cisco MDS NX-OS Release 9.2(1) or later without disabling the feature.

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.3(2a)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.3(x)	Upgrade directly to MDS NX-OS Release 9.3(2a)
9.2(x)	Upgrade directly to MDS NX-OS Release 9.3(2a)
8.1(x) and above releases ²	Upgrade directly to MDS NX-OS Release 9.3(2a)
All 7.3(x) releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 9.3(2a)
6.2(29) and above releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(2a)
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(2a)
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(13a) • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(2a)

² If the SAN Analytics feature is enabled, then disable the SAN Analytics feature using the **no feature analytics** command before upgrading from Cisco MDS NX-OS 8.2(x) or Cisco MDS NX-OS 8.3(x) to Cisco MDS NX-OS Release 9.2(1) or later. However, you can upgrade from Cisco MDS NX-OS Release 8.4(1) and above releases to Cisco MDS NX-OS Release 9.2(1) or later without disabling the feature.

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.3(2)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
MDS NX-OS:	
9.3(1)	Upgrade directly to MDS NX-OS Release 9.3(2)
9.2(x)	Upgrade directly to MDS NX-OS Release 9.3(2)
8.1(x) and above releases ³	Upgrade directly to MDS NX-OS Release 9.3(2)
All 7.3(x) releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 9.3(2)
6.2(29) and above releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(2)
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(2)
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(13a) • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(2)

³ If the SAN Analytics feature is enabled, then disable the SAN Analytics feature using the **no feature analytics** command before upgrading from Cisco MDS NX-OS 8.2(x) or Cisco MDS NX-OS 8.3(x) to Cisco MDS NX-OS Release 9.2(1) or later. However, you can upgrade from Cisco MDS NX-OS Release 8.4(1) and above releases to Cisco MDS NX-OS Release 9.2(1) or later without disabling the feature.

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.3(1)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.2(x)	Upgrade directly to MDS NX-OS Release 9.3(1)
8.1(x) and above releases ⁴	Upgrade directly to MDS NX-OS Release 9.3(1)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
All 7.3(x) releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 9.3(1)
6.2(29) and above releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(1)
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(1)
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(13a) • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.3(1)

⁴ If the SAN Analytics feature is enabled, then disable the SAN Analytics feature using the **no feature analytics** command before upgrading from Cisco MDS NX-OS 8.2(x) or Cisco MDS NX-OS 8.3(x) to Cisco MDS NX-OS Release 9.2(1) or later. However, you can upgrade from Cisco MDS NX-OS Release 8.4(1) and above releases to Cisco MDS NX-OS Release 9.2(1) or later without disabling the feature.

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.2(2)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
9.2(1)	Upgrade directly to MDS NX-OS Release 9.2(2)
8.1(x) and above releases ⁵	Upgrade directly to MDS NX-OS Release 9.2(2)
All 7.3(x) releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 9.2(2)
6.2(29) and above releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.2(2)
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.2(2)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(13a) • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.2(2)

⁵ If the SAN Analytics feature is enabled, then disable the SAN Analytics feature using the **no feature analytics** command before upgrading from Cisco MDS NX-OS 8.2(x) or Cisco MDS NX-OS 8.3(x) to Cisco MDS NX-OS Release 9.2(1) or later. However, you can upgrade from Cisco MDS NX-OS Release 8.4(1) and above releases to Cisco MDS NX-OS Release 9.2(1) or later without disabling the feature.

Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.2(1)

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
8.1(x) and above releases ⁶	Upgrade directly to MDS NX-OS Release 9.2(1)
All 7.3(x) releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 9.2(1)
6.2(29) and above releases	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.2(1)
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade directly to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.2(1)
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> • Upgrade directly to MDS NX-OS Release 6.2(13a) • Upgrade directly to MDS NX-OS Release 6.2(29) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.2(1)

⁶ If the SAN Analytics feature is enabled, then disable the SAN Analytics feature using the **no feature analytics** command before upgrading from Cisco MDS NX-OS 8.2(x) or Cisco MDS NX-OS 8.3(x) to Cisco MDS NX-OS Release 9.2(1). However, you can upgrade from Cisco MDS NX-OS Release 8.4(1) and above releases to Cisco MDS NX-OS Release 9.2(1) without disabling the feature.

FICON Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4(1a)

Current FICON-qualified Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
8.4(2e)	Upgrade directly to MDS NX-OS Release 9.4(1a)
8.4(2c)	Upgrade directly to MDS NX-OS Release 9.4(1a)
8.4(2b)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.4(1a)
8.4(1a)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.4(1a)
8.1(1b)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.4(1a)
8.1(1a)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.4(1a)
6.2(11e)	<ul style="list-style-type: none"> • Upgrade to MDS NX-OS Release 8.1(1a) • Upgrade to MDS NX-OS Release 8.1(1b) • Upgrade to MDS NX-OS Release 8.4(2c) • Upgrade to MDS NX-OS Release 9.4(1a)