



## Supported 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:

- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4\(1a\), on page 1](#)
- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4\(1\), on page 2](#)
- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.3\(2a\), on page 2](#)
- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.3\(2\), on page 3](#)
- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.3\(1\), on page 4](#)
- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.2\(2\), on page 5](#)
- [Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.2\(1\), on page 5](#)
- [FICON Nondisruptive Upgrade Paths to Cisco MDS NX-OS Release 9.4\(1a\), on page 6](#)

### 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"> <li>• Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d) or 8.4(2e) or 8.4(2f).</li> <li>• Upgrade to MDS NX-OS Release 9.4(1a)</li> </ul>
7.3(1)DY	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.1(1b)</li> <li>• Upgrade to MDS NX-OS Release 8.4(c)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1a)</li> </ul>

Current Release	Nondisruptive Upgrade Path and Ordered Upgrade Steps
6.2(29), 6.2(31), 6.2(33)	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.4(2c) or 8.4(2d)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1a)</li> </ul>

## 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 <sup>1</sup>	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.4(2c), 8.4(2d), 8.4(2e) and 8.4(2f).</li> <li>• Upgrade to MDS NX-OS Release 9.4(1)</li> </ul>
All 7.3(x) releases	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.4(2c) or 8.1(1b)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1)</li> </ul>
6.2(29) and above releases	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.4(2c) or 8.1(1b)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1)</li> </ul>

<sup>1</sup> 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 <sup>2</sup>	Upgrade directly to MDS NX-OS Release 9.3(2a)

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

<sup>2</sup> 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
<b>MDS NX-OS:</b>	
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 <sup>3</sup>	Upgrade directly to MDS NX-OS Release 9.3(2)
All 7.3(x) releases	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 8.1(1b)</li> <li>• Upgrade to MDS NX-OS Release 9.3(2)</li> </ul>
6.2(29) and above releases	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.3(2)</li> </ul>

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

<sup>3</sup> 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 <sup>4</sup>	Upgrade directly to MDS NX-OS Release 9.3(1)
All 7.3(x) releases	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 8.1(1b)</li> <li>• Upgrade to MDS NX-OS Release 9.3(1)</li> </ul>
6.2(29) and above releases	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.3(1)</li> </ul>
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 6.2(29)</li> <li>• Upgrade directly to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.3(1)</li> </ul>
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 6.2(13a)</li> <li>• Upgrade directly to MDS NX-OS Release 6.2(29)</li> <li>• Upgrade to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.3(1)</li> </ul>

- <sup>4</sup> 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 <sup>5</sup>	Upgrade directly to MDS NX-OS Release 9.2(2)
All 7.3(x) releases	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 8.1(1b)</li> <li>• Upgrade to MDS NX-OS Release 9.2(2)</li> </ul>
6.2(29) and above releases	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.2(2)</li> </ul>
6.2(13a) until 6.2(27)	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 6.2(29)</li> <li>• Upgrade directly to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.2(2)</li> </ul>
All 6.2(x) releases prior to 6.2(13a)	<ul style="list-style-type: none"> <li>• Upgrade directly to MDS NX-OS Release 6.2(13a)</li> <li>• Upgrade directly to MDS NX-OS Release 6.2(29)</li> <li>• Upgrade to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.2(2)</li> </ul>

- <sup>5</sup> 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 <sup>6</sup>	Upgrade directly to MDS NX-OS Release 9.2(1)

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

<sup>6</sup> 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"> <li>• Upgrade to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1a)</li> </ul>
8.4(1a)	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1a)</li> </ul>
8.1(1b)	<ul style="list-style-type: none"> <li>• Upgrade to MDS NX-OS Release 8.4(2c)</li> <li>• Upgrade to MDS NX-OS Release 9.4(1a)</li> </ul>

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

