Nexus Data Broker 3.0 Hardware / Software Interoperability Matrix

Contents

Introduction

This document describes the supported hardware and software requirements along with recommended Cisco Nexus Operating System (NX-OS) for Cisco Nexus Data Broker (NDB) 3.0.0.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on the matrix which is valid for NDB 2.0.0 through 3.0.0 and is intended to be inclusive of all hardware/software/configuration modes available on NDB as of 3.0.0.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

NDB utilizes data center class switches to forward traffic based on policy rather than based on traditional forwarding methods - Media Access Control (MAC) address switching. As a result of this, specific configurations are required in order for the specialized configurations that NDB pushes down to the switches to function properly. Within the wide variety of NDB supported switches are also many different types of Application-Specific Integrated Circuits (ASICs). Because of this, there are different recommended versions and minimum versions of software based on resolved caveats and functionality.

Matrix

Nexus Switch Model(s)	Implementation Type	Minimum NX-OS Version[1]	Recommended NX-OS Version[1]	OpenFlow Agent	Minimum NDB Version
30xx/31xx[2]	OpenFlow	6.0(2)U6(x)	6.0(2)U6(3)	1.1.5	2.0.0
30xx/31xx[2]	OpenFlow	7.0(3)I2(2a)	7.0(3)I2(2a)	2.1.0 or 2.1.3	2.2.0
30xx	NXAPI	Not Supported	Not Supported	Not Supported	Not Supported
31xx[2]	NXAPI	7.0(3)I2(2a)	7.0(3)I2(2a)	NA	2.2.0
3164	OpenFlow	Not Supported	Not Supported	Not Supported	Not Supported
3164	NXAPI	7.0(3)I2(2a)	7.0(3)I2(2a)	NA	2.2.0
32xx	OpenFlow	7.0(3)I3(1)	7.0(3)I3(1)	2.1.3	3.0.0
32xx	NXAPI	7.0(3)I3(1)	7.0(3)I3(1)	NA	3.0.0
35xx	OpenFlow	6.0(2)A6(x)	6.0(2)A6(5a)	1.1.5	2.0.0
35xx	NXAPI	Not Supported	Not Supported	Not Supported	Not Supported
93xx	OpenFlow	7.0(3)I3(1)	7.0(3)I4(6)	2.1.0 or 2.1.3	2.2.0
93xx	NXAPI	7.0(3)I3(1)	7.0(3)I4(6)	NA	2.1.0
95xx	OpenFlow	Not Supported	Not Supported	Not Supported	Not Supported
95xx	NXAPI	7.0(3)I1(2)	7.0(3)I2(2a)	NA	2.1.0

[1] Minimum / Recommended versions only apply to NDB installations, not general NX-OS switch usage.

[2] 30xx/31xx refers to all Nexus 30xx or Nexus 31xx switches, except for Nexus 3164 which is listed separately.

Related Information

- NDB Configuration Guides
- NDB Quick Start Guides
- NDB Software Download Page
- Technical Support & Documentation - Cisco Systems