



# Compatibility Matrix for Cisco Catalyst 8000V in Public and Sovereign IaaS Clouds

This chapter describes the various public cloud compute instance sizes that are supported for Cisco Catalyst 8000V routers. The following topics specify the compute instance details for each of the supported public clouds and sovereign IaaS clouds.

- [Supported Instance Types for AWS, on page 1](#)
- [Supported Instance Types for Microsoft Azure, on page 3](#)
- [Supported Instance Types for Google Cloud Platform, on page 5](#)
- [Supported Instance Types for Sovereign Clouds, on page 7](#)

## Supported Instance Types for AWS

The AMI supports different instance types that determine the size of the instance and the required amount of memory. The following are the supported instance types for Cisco Catalyst 8000V:

Release Number	Supported Instance Types
Cisco IOS XE 17.13.1a	<ul style="list-style-type: none"> <li>• t3.medium</li> <li>• c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>• c5n.18xlarge, c5n.4xlarge</li> <li>• c6in.8xlarge, c6in.2xlarge, c6in.xlarge, c6in.large</li> </ul>
Cisco IOS XE 17.12.2, Cisco IOS XE 17.12.1	<ul style="list-style-type: none"> <li>• t3.medium</li> <li>• c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>• c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>
Cisco IOS XE 17.11.1a	<ul style="list-style-type: none"> <li>• t3.medium</li> <li>• c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>• c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>

Release Number	Supported Instance Types
Cisco IOS XE 17.10.1a	<ul style="list-style-type: none"> <li>t3.medium</li> <li>c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>
Cisco IOS XE 17.9.4a Cisco IOS XE 17.9.4 Cisco IOS XE 17.9.3a Cisco IOS XE 17.9.2a Cisco IOS XE 17.9.1a	<ul style="list-style-type: none"> <li>t3.medium</li> <li>c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>
Cisco IOS XE 17.8.1a	<ul style="list-style-type: none"> <li>t3.medium</li> <li>c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>
Cisco IOS XE 17.7.2 Cisco IOS XE 17.7.1a	<ul style="list-style-type: none"> <li>t3.medium</li> <li>c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>
Cisco IOS XE 17.6.6a Cisco IOS XE 17.6.6 Cisco IOS XE 17.6.5a Cisco IOS XE 17.6.5 Cisco IOS XE 17.6.4 Cisco IOS XE 17.6.3a Cisco IOS XE 17.6.2 Cisco IOS XE 17.6.1a	<ul style="list-style-type: none"> <li>t3.medium</li> <li>c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>

Release Number	Supported Instance Types
Cisco IOS XE 17.5.1a	<ul style="list-style-type: none"> <li>• t3.medium, t2.medium</li> <li>• c4.8xlarge, c4.4xlarge, c4.2xlarge, c4.xlarge, c4.large</li> <li>• c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>• c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>
Cisco IOS XE 17.4.2 Cisco IOS XE 17.4.1b Cisco IOS XE 17.4.1a	<ul style="list-style-type: none"> <li>• t3.medium, t2.medium</li> <li>• c4.8xlarge, c4.4xlarge, c4.2xlarge, c4.xlarge, c4.large</li> <li>• c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large</li> <li>• c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large</li> </ul>

For more information about the instance types, see [Amazon EC2 Instance Types](#).

## Supported Instance Types for Microsoft Azure

The following 2, 4 and 8 NIC solution templates are currently offered in the Microsoft Azure marketplace in the public cloud:

Cisco IOS XE Release	Supported Instance Types/Max NICs supported
Cisco IOS XE 17.13.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> <li>• D16_v5</li> </ul>

Cisco IOS XE Release	Supported Instance Types/Max NICs supported
Cisco IOS XE 17.12.2, Cisco IOS XE 17.12.1	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> <li>• D16_v5</li> </ul>
Cisco IOS XE 17.11.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>
Cisco IOS XE 17.10.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>
Cisco IOS XE 17.9.4a Cisco IOS XE 17.9.3a Cisco IOS XE 17.9.2a Cisco IOS XE 17.9.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>
Cisco IOS XE 17.8.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>

Cisco IOS XE Release	Supported Instance Types/Max NICs supported
Cisco IOS XE 17.7.2 Cisco IOS XE 17.7.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>
Cisco IOS XE 17.6.6a Cisco IOS XE 17.6.5a, Cisco IOS XE 17.6.4a Cisco IOS XE 17.6.3a Cisco IOS XE 17.6.2a Cisco IOS XE 17.6.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>
Cisco IOS XE 17.5.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>
Cisco IOS XE 17.4.2 Cisco IOS XE 17.4.1b Cisco IOS XE 17.4.1a	<ul style="list-style-type: none"> <li>• D4_v2 / DS4_v2</li> <li>• D3_v2 / DS3_v2</li> <li>• D2_v2 / DS2_v2</li> <li>• F16s_v2</li> <li>• F32s_v2</li> </ul>

## Supported Instance Types for Google Cloud Platform

Cisco IOS XE Release	Supported Instance Types	Notes
Cisco IOS XE 17.13.1a	N1: n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.12.2 Cisco IOS XE 17.12.1a	N1: n1-standard-4, n1-standard-8	BYOL only

<b>Cisco IOS XE Release</b>	<b>Supported Instance Types</b>	<b>Notes</b>
Cisco IOS XE 17.11.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.10.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.9.4a Cisco IOS XE 17.9.3a Cisco IOS XE 17.9.2a Cisco IOS XE 17.9.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.8.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.7.2 Cisco IOS XE 17.7.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.6.6a Cisco IOS XE 17.6.5a Cisco IOS XE 17.6.5 Cisco IOS XE 17.6.4 Cisco IOS XE 17.6.3a Cisco IOS XE 17.6.2 Cisco IOS XE 17.6.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.5.1a	N1: n1-standard-2, n1-standard-4, n1-standard-8	BYOL only
Cisco IOS XE 17.4.2 Cisco IOS XE 17.4.1b Cisco IOS XE 17.4.1a	N1: n1-standard-1, n1-standard-2, n1-standard-4, n1-standard-8	BYOL only Support for both autonomous and controller modes

# Supported Instance Types for Sovereign Clouds

**Table 1: Supported Instances for Alibaba Cloud (China)**

Cisco IOS XE Release	Instance Types (BYOL Only)
Cisco IOS XE 17.9.1a	• ecs.g5.large
Cisco IOS XE 17.8.1a	• ecs.g5.4xlarge
Cisco IOS XE 17.7.2	
Cisco IOS XE 17.7.1a	
Cisco IOS XE 17.6.6a	
Cisco IOS XE 17.6.6	
Cisco IOS XE 17.6.5a	
Cisco IOS XE 17.6.5	
Cisco IOS XE 17.6.4	
Cisco IOS XE 17.6.3a	
Cisco IOS XE 17.6.2	
Cisco IOS XE 17.6.1a	

**Table 2: Supported Instances for AWS (China)**

Cisco IOS XE Release	Instance Types
Cisco IOS XE 17.9.1a	<ul style="list-style-type: none"> <li>• t3.medium</li> <li>• c4.large,</li> <li>• c5.large, c5.xlarge, c5.2xlarge, c5.4xlarge, c5.9xlarge</li> </ul>
Cisco IOS XE 17.6.6a	<ul style="list-style-type: none"> <li>• t3.medium</li> <li>• c4.large,</li> <li>• c5.large, c5.xlarge, c5.2xlarge, c5.4xlarge, c5.9xlarge</li> </ul>
Cisco IOS XE 17.6.6	
Cisco IOS XE 17.6.5a	
Cisco IOS XE 17.6.5	
Cisco IOS XE 17.6.4	
Cisco IOS XE 17.6.3a	
Cisco IOS XE 17.6.2	
Cisco IOS XE 17.6.1a	

Supported Instance Types for Sovereign Clouds