



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 Amazon Web Services, on page 1](#)
- [Supported Instance Types for Microsoft Azure, on page 4](#)
- [Supported Instance Types for Google Cloud Platform, on page 8](#)
- [Supported Instance Types for Oracle Cloud Infrastructure, on page 9](#)
- [Supported Instance Types for Sovereign Clouds, on page 10](#)

Supported Instance Types for Amazon Web Services

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 17.18.1a | <ul style="list-style-type: none">• t3.medium• c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large• c5n.18xlarge, c5n.4xlarge• c6in.8xlarge, c6in.2xlarge, c6in.xlarge, c6in.large |
| Cisco IOS XE 17.16.1a | <ul style="list-style-type: none">• t3.medium• c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large• c5n.18xlarge, c5n.4xlarge• c6in.8xlarge, c6in.2xlarge, c6in.xlarge, c6in.large |

Supported Instance Types for Amazon Web Services

| Release Number | Supported Instance Types |
|---|--|
| Cisco IOS XE 17.15.3a Cisco IOS XE 17.15.2a Cisco IOS XE 17.15.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.4xlarge • c6in.8xlarge, c6in.2xlarge, c6in.xlarge, c6in.large |
| Cisco IOS XE 17.14.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.4xlarge • c6in.8xlarge, c6in.2xlarge, c6in.xlarge, c6in.large |
| Cisco IOS XE 17.13.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.4xlarge • c6in.8xlarge, c6in.2xlarge, c6in.xlarge, c6in.large |
| Cisco IOS XE 17.12.5b Cisco IOS XE 17.12.5a Cisco IOS XE 17.12.4b Cisco IOS XE 17.12.4a Cisco IOS XE 17.12.2, Cisco IOS XE 17.12.1 | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |
| Cisco IOS XE 17.11.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |
| Cisco IOS XE 17.10.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |

| Release Number | Supported Instance Types |
|---|--|
| Cisco IOS XE 17.9.7a Cisco IOS XE 17.9.6 Cisco IOS XE 17.9.5f Cisco IOS XE 17.9.5e 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"> • t3.medium • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.18xlarge, c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |
| Cisco IOS XE 17.8.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |
| Cisco IOS XE 17.7.2 Cisco IOS XE 17.7.1a | <ul style="list-style-type: none"> • t3.medium • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |
| Cisco IOS XE 17.6.8a Cisco IOS XE 17.6.7 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"> • t3.medium • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |
| Cisco IOS XE 17.5.1a | <ul style="list-style-type: none"> • t3.medium, t2.medium • c4.8xlarge, c4.4xlarge, c4.2xlarge, c4.xlarge, c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large • c5n.9xlarge, c5n.4xlarge, c5n.2xlarge, c5n.xlarge, c5n.large |

Supported Instance Types for Microsoft Azure

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

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 17.18.1a | <ul style="list-style-type: none"> Dsv5 series: Standard_D16s_v5, Standard_D8s_v5, Standard_D4s_v5, Standard_D2s_v5 Dsv2 series: Standard_DS4_v2, Standard_DS3_v2 Dv2 series: Standard_D4_v2, Standard_D3_v2 Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.16.1a | <ul style="list-style-type: none"> Dsv5 series: Standard_D16s_v5 Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.15.3a | <ul style="list-style-type: none"> Dsv5 series: Standard_D16s_v5, Standard_D8s_v5, Standard_D4s_v5 Dv5 series: Standard_D16_v5, Standard_D8_v5, Standard_D4_v5 Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |

| Cisco IOS XE Release | Supported Instance Types/Max NICs supported |
|-----------------------|--|
| Cisco IOS XE 17.15.2a | <ul style="list-style-type: none"> • Dsv5 series: Standard_D16s_v5, Standard_D8s_v5, Standard_D4s_v5 • Dv5 series: Standard_D16_v5, Standard_D8_v5, Standard_D4_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.15.1a | <ul style="list-style-type: none"> • Dsv5 series: Standard_D16s_v5, Standard_D8s_v5, Standard_D4s_v5 • Dv5 series: Standard_D16_v5, Standard_D8_v5, Standard_D4_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.14.1a | <ul style="list-style-type: none"> • Dv5 series: Standard_D16_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.13.1a | <ul style="list-style-type: none"> • Dv5 series: Standard_D16_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |

Supported Instance Types for Microsoft Azure

| Cisco IOS XE Release | Supported Instance Types/Max NICs supported |
|--|--|
| Cisco IOS XE 17.12.5b Cisco IOS XE 17.12.5a | <ul style="list-style-type: none"> • Dsv5 series: Standard_D16s_v5, Standard_D8s_v5, Standard_D4s_v5 • Dv5 series: Standard_D16_v5, Standard_D8_v5, Standard_D4_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.12.4b Cisco IOS XE 17.12.4a | <ul style="list-style-type: none"> • Dsv5 series: Standard_D16s_v5, Standard_D8s_v5, Standard_D4s_v5 • Dv5 series: Standard_D16_v5, Standard_D8_v5, Standard_D4_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.12.2 Cisco IOS XE 17.12.1 | <ul style="list-style-type: none"> • Dv5 series: Standard_D16_v5 • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.11.1a | <ul style="list-style-type: none"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.10.1a | <ul style="list-style-type: none"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |

| Cisco IOS XE Release | Supported Instance Types/Max NICs supported |
|--|--|
| Cisco IOS XE 17.9.7a Cisco IOS XE 17.9.6 Cisco IOS XE 17.9.5f Cisco IOS XE 17.9.5e 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"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.8.1a | <ul style="list-style-type: none"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.7.2 Cisco IOS XE 17.7.1a | <ul style="list-style-type: none"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.6.8a Cisco IOS XE 17.6.7 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"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |
| Cisco IOS XE 17.5.1a | <ul style="list-style-type: none"> • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |

Supported Instance Types for Google Cloud Platform

| Cisco IOS XE Release | Supported Instance Types/Max NICs supported |
|----------------------|---|
| Cisco IOS XE 17.4.2 | • Dsv2 series: Standard_DS4_v2, Standard_DS3_v2, Standard_DS2_v2 |
| Cisco IOS XE 17.4.1b | • Dv2 series: Standard_D4_v2, Standard_D3_v2, Standard_D2_v2 |
| Cisco IOS XE 17.4.1a | • Fsv2 series: Standard_F32s_v2, Standard_F16s_v2 |

Supported Instance Types for Google Cloud Platform

The following instance families are currently supported in the Google Cloud Platform (GCP) marketplace.

| Cisco IOS XE Release | Supported Instance Types (BYOL only) |
|-----------------------|---|
| Cisco IOS XE 17.18.1a | N4: n4-standard-32, n4-standard-4 N2: n2-standard-8, n2-standard-4 |
| Cisco IOS XE 17.16.1a | N1: n1-standard-8, n1-standard-4 |
| Cisco IOS XE 17.15.4 | N1: n1-standard-8, n1-standard-4 |
| Cisco IOS XE 17.15.3a | N2: n2-standard-8, n2-standard-4 |
| Cisco IOS XE 17.15.2a | |
| Cisco IOS XE 17.15.1a | |
| Cisco IOS XE 17.14.1a | N1: n1-standard-8, n1-standard-4 |
| Cisco IOS XE 17.13.1a | N1: n1-standard-8, n1-standard-4 |
| Cisco IOS XE 17.12.5b | N1: n1-standard-8, n1-standard-4 |
| Cisco IOS XE 17.12.5a | N2: n2-standard-8, n2-standard-4 |
| Cisco IOS XE 17.12.4b | |
| Cisco IOS XE 17.12.4a | |
| Cisco IOS XE 17.12.2 | N1: n1-standard-8, n1-standard-4 |
| Cisco IOS XE 17.12.1a | |
| Cisco IOS XE 17.11.1a | N1: n1-standard-8, n1-standard-4, n1-standard-2 |
| Cisco IOS XE 17.10.1a | N1: n1-standard-8, n1-standard-4, n1-standard-2 |

| Cisco IOS XE Release | Supported Instance Types (BYOL only) |
|----------------------|---|
| Cisco IOS XE 17.9.7a | N1: n1-standard-8, n1-standard-4, n1-standard-2 |
| Cisco IOS XE 17.9.6 | |
| Cisco IOS XE 17.9.5f | |
| Cisco IOS XE 17.9.5e | |
| Cisco IOS XE 17.9.4a | |
| Cisco IOS XE 17.9.3a | |
| Cisco IOS XE 17.9.2a | |
| Cisco IOS XE 17.9.1a | |
| Cisco IOS XE 17.8.1a | N1: n1-standard-8, n1-standard-4, n1-standard-2 |
| Cisco IOS XE 17.7.2 | N1: n1-standard-8, n1-standard-4, n1-standard-2 |
| Cisco IOS XE 17.7.1a | |
| Cisco IOS XE 17.6.8a | N1: n1-standard-8, n1-standard-4, n1-standard-2 |
| Cisco IOS XE 17.6.7 | |
| 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 | |
| Cisco IOS XE 17.5.1a | N1: n1-standard-8, n1-standard-4, n1-standard-2 |
| Cisco IOS XE 17.4.2 | N1: n1-standard-8, n1-standard-4, n1-standard-2, n1-standard-1 |
| Cisco IOS XE 17.4.1b | |
| Cisco IOS XE 17.4.1a | |

Supported Instance Types for Oracle Cloud Infrastructure

This section specifies the instance types supported for Oracle Cloud Infrastructure (OCI) deployments.

| Cisco IOS XE Release | Supported Instances |
|-----------------------|--|
| Cisco IOS XE 17.18.1a | VM.Standard.E5.Flex with 4vCPU/8GB VM.Standard.E5.Flex with 16vCPU/16GB |

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 17.18.x | • ecs.g5.4xlarge |
| Cisco IOS XE 17.16.x | • ecs.g5.large |
| Cisco IOS XE 17.15.x | |
| Cisco IOS XE 17.14.x | |
| Cisco IOS XE 17.13.x | |
| Cisco IOS XE 17.12.x | |
| Cisco IOS XE 17.11.x | |
| Cisco IOS XE 17.10.x | |
| Cisco IOS XE 17.9.x | |
| Cisco IOS XE 17.8.x | |
| Cisco IOS XE 17.7.x | |
| Cisco IOS XE 17.6.x | |

Table 2: Supported Instances for AWS (China)

| Cisco IOS XE Release | Instance Types (BYOL only) |
|----------------------|--|
| Cisco IOS XE 17.18.x | • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.16.x | • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.15.x | • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.14.x | • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |

| Cisco IOS XE Release | Instance Types (BYOL only) |
|----------------------|--|
| Cisco IOS XE 17.13.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.12.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.11.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.10.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.9.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.8.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.7.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |
| Cisco IOS XE 17.6.x | <ul style="list-style-type: none"> • t3.medium • c4.large • c5.9xlarge, c5.4xlarge, c5.2xlarge, c5.xlarge, c5.large |

■ Supported Instance Types for Sovereign Clouds