

# Citrix ADC Virtual Platforms

Enabling high performance application delivery with software and container-based form factors

Citrix Application Delivery Controller (ADC) is the most comprehensive application delivery and load balancing solution for multi-cloud environments. Because its software and hardware form factors are all built on a single code base, Citrix ADC provides operational and feature consistency with comprehensive security for monolithic and microservices-based applications on-premises and in the cloud.

With pooled capacity licensing, you can easily move capacity across Citrix ADC form factors, clouds, and geographies to meet growing demand with no issues.

[Citrix Application Delivery Management \(ADM\)](#) helps you achieve holistic visibility, management, and troubleshooting for your entire Citrix ADC fleet through a single, easy to use console.

## Citrix ADC Virtual Platforms

### Citrix ADC VPX

Citrix ADC VPX provides powerful web and application delivery features like load balancing, secure remote access, application acceleration, and consistent security, all in a simple, easy-to-install virtual appliance.

### Citrix ADC CPX

Citrix ADC CPX is built from the same single ADC code base but packaged as a container for easy deployment and management through a variety of popular container management systems.

Manage east-west traffic between microservices-based applications with sophisticated load balancing, SSL offloading, and DDoS protection. Deliver exceptional performance with multi-core Citrix ADC CPX as an ingress device to handle north-south traffic for popular cluster management tools such as Kubernetes.

### Citrix ADC BLX

Citrix ADC BLX extends powerful application delivery features to bare metal. Run Citrix ADC as a Linux process without a hypervisor or container overhead on the hardware of your choice.

### Public Cloud

Citrix ADC is easy to deploy across private and public cloud environments with support for [AWS](#), [Microsoft Azure](#), and [Google Cloud Platform](#). Purchase licenses from the cloud marketplaces or simply bring your own.

## Citrix ADC VPX Platform

Model	Minimum Memory <sup>1</sup>	vCPUs <sup>2</sup>	AWS <sup>3</sup>	Azure	ESXi	KVM	Citrix Hypervisor	Hyper-V	Recommended Network Driver
VPX 100G	2 GB	2-20			•	•			PCI passthrough
VPX 40G	2 GB	2-20			•	•	•		SRI-IOV
VPX 25G	2 GB	2-16	•		•	•	•		
VPX 15G	2 GB	2-12	•		•	•	•		VMXNET3 <sup>4</sup> or SR-IOV <sup>5</sup>
VPX 10G	2 GB	2-10	•		•	•	•		
VPX 8000	2 GB	2-6	•		•	•	•		VMXNET3 <sup>4</sup> or Paravirtualization
VPX 5000	2 GB	2-6	•		•	•	•		
VPX 3000	2 GB	2-4	•	•	•	•	•	•	
VPX 1000	2 GB	2-4	•	•	•	•	•	•	
VPX 200	2 GB	2	•	•	•	•	•	•	
VPX 25	2 GB	2	•	•	•	•	•	•	
VPX 10	2 GB	2	•	•	•	•	•	•	

## Performance

	Minimum	Maximum
System Throughput	10 Mbps	100 Gbps
SSL Transactions/sec (2k key certificates)	1,100	20,000
SSL ECDHE Transactions/sec (2k key certificates)	880	17,280
SSL Throughput	10 Mbps	30 Gbps
SSL VPN/ICA Proxy Concurrent Users	15	9,000

You can find more information by visiting the [Citrix ADC VPX Product Documentation](#) page.

Hypervisor Versions: For details on hypervisor support, visit the [Support Matrix and Usage Guidelines](#) on the Citrix website.

1. For Standard license, VPX minimum memory requirement is 2 GB for up to 2 vCPUs. For Advanced or Premium, VPX minimum memory requirement is 4 GB for up to 2 vCPUs. For the optimal performance, irrespective of the license, we recommend 4 GB memory per vCPU (e.g., for a VPX with 6 vCPUs, we recommend having 24GB memory allocated).

2. Processors supported: Intel VTx.

3. VPX 8000, VPX 10G, VPX 15G, and VPX 25G are only available via BYOL on AWS and require 5th generation EC2 instance types (C5, M5, and C5n). With larger BYO licenses, VPX can achieve up to 30 Gbps throughput.

4. VMXNET3 is supported on ESXi versions only.

5. Performance validated for Citrix Hypervisor using SR-IOV only.

**Citrix ADC CPX Platform**

<b>Model</b>	<b>Minimum Memory</b>	<b>vCPUs</b>	<b>Throughput</b>	<b>Supported Container Managers</b>
VPX 100G	1 GB	1-7	1-9 Gbps	Kubernetes, Mesosphere DCOS, Apache Mesos Marathon

You can find more information by visiting the [Citrix ADC CPX Product Documentation](#) page.

## Citrix ADC BLX Platform

BLX Model	Minimum Memory	vCPUs	Throughput	Supported Linux Distribution
Non-DPDK	4 GB	1-8	1-12 Gbps	CentOS, Oracle Linux, Ubuntu Linux, RedHat Linux
DPDK (Beta)	4 GB	1-8	1-100 Gbps	CentOS, Oracle Linux, Ubuntu Linux, RedHat Linux

You can find more information by visiting the [Citrix ADC BLX Product Documentation](#) page.



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