Virtual Systems (Vx)

https://campus.barracuda.com/doc/98210605/

The Barracuda CloudGen Firewall Vx can be deployed on VMware, Xen, KVM, and Hyper-V hypervisors using the virtual images provided by Barracuda Networks. Each image comes with one virtual network adapter by default; additional network interfaces must be added by the admin. Virtual systems are classified by a capacity number in the model name that defines the number of protected firewall IPs, SSL VPN users, VPN users, and proxy users (AV and URL Filter, with Remote Access license). For specialized installations, use Barracuda F-Series Install and a generic Barracuda F-Series ISO image to deploy a custom configuration.

Sizing Your Virtual Machine

VFC licenses can be used for CloudGen Firewall deployments on virtual machines, in Public Cloud (MS Azure, AWS, Google Cloud), and on standard hardware.

CloudGen Firewall Vx	Number of Licensed Cores	Minimum Storage [GB]	Minimum Memory [GB]
VFC1	1	80	4
VFC2	2	80	4
VFC4	4	80	4
VFC8	8	80	4
VFC16	16	80	4
VFC48	48	80	4
CloudGen Firewall Control Center Vx	**Number of Licensed Cores**	**Minimum Storage [GB]**	**Minimum Memory [GB]**
VC400	No core limitation	125	4
VC610	No core limitation	250	4
VC820	No core limitation	250	4

Your Vx license limits the amount of supported CPU cores you can use for your virtual CloudGen Firewall. Storage and RAM can be sized to fit your needs and are not limited by the license.

CloudGen Firewall Vx	Number of Licensed Cores	Minimum Storage [GB]	Minimum Memory [GB]
VF10	1	80	4
VF25, VF50, VF100, VF250, VF500, VF1000	2	80	4

VF2000	4	80	4
VF4000	8	80	4
VF8000	16	80	4

Environment and number of files inspected per month

Virtual and Public Cloud	# of files
VFC1	108000
VFC2	216000
VFC4	324000
VFC8	648000
VFC16	750000
VFC48	1000000

VMware ESXi

- **Supported Versions** – VMware ESX(i) version 3.5 or higher
- **Image Format** – *.ova
- **Max. Number of Virtual Network Adapters** – 10

To deploy the CloudGen Firewall Vx on your VMware hypervisor, download the CloudGen Firewall or Firewall Control Center image from the Barracuda Networks Download Portal. If you want to deploy using the standard configuration, use the OVA image. If you want a custom configuration, download the generic Barracuda CloudGen Firewall Vx ISO image and Barracuda F-Series Install to carry out the deployment.

To deploy a CloudGen Firewall Vx on a VMware ESXi server, see How to Deploy a CloudGen Firewall Vx OVA on VMware Hypervisors.

Opensource Linux Xen

- **Supported Versions** – XenServer 4.X or higher
- **Image Format** – Linux script (.sh) script containing PVHVM or PV disk images
- **Max. Number of Virtual Network Adapters** – 7

Xen images come in a PVHVM (mix of fully virtualized and paravirtualized drivers) or PVM (only paravirtualized drivers) version. It is recommended to use the PVHVM image for near-native

performance. Download the installation package to match your Linux Xen hypervisor from the [Barracuda Networks Download Portal](#).

To deploy a CloudGen Firewall Vx on a XenServer, see [How to Deploy a CloudGen Firewall Vx on an Opensource Xen Server](#).

KVM

- **Supported Versions** – KVM 5.4.2 or higher
- **Image Format** – *.kvm.zip
- **Max. Number of Virtual Network Adapters** – up to 28 (depending on the configuration and number of devices in the VM configuration)

KVM uses a different approach for attaching devices to the virtual machine. It uses an emulated PCI controller with 32 slots. 5 slots are permanently occupied by necessary system components and disk controller. The remaining 27 slots can be freely assigned to other devices, including networks adapters. The KVM image for the CloudGen Firewall Vx uses the Virtio paravirtualized network adapters for best performance.

To deploy a CloudGen Firewall Vx on a KVM hypervisor, see [How to Deploy a CloudGen Firewall Vx on KVM](#).

Hyper-V

- **Virtual Disk Format** – ***.vhd**
- **Max. Number of Virtual Network Adapters** – Up to 8 network adapters + up to 4 additional legacy network adapters.

Use the VHD disk images from the Barracuda Download portal to deploy the CloudGen Firewall as a generation 1 VM on a Microsoft Hyper-V hypervisor.

To deploy a CloudGen Firewall Vx on a Hyper-V hypervisor, see [How to Deploy a CloudGen Firewall Vx on Hyper-V](#).