

Deployment

<https://campus.barracuda.com/doc/85492018/>

Barracuda Firewall Insights is available as a virtual machine that allows you to easily upgrade the resources of your device as your network grows. It can be deployed on VMware, KVM, and Hyper-V hypervisors using the virtual images provided by Barracuda Networks.

Before You Begin

- Purchase a license token for the VM.
- Ensure that your CloudGen Firewall supports Firewall Insights. To find supported firmware versions, go to [Supported CloudGen Firewall Firmware](#).

Firewall Insights cannot be deployed in a 172.17.0.0/16 network. The same applies to integrated CloudGen Firewalls and clients. Network range 172.17.0.0/16 is reserved for internal use by Firewall Insights.

Sizing Your Virtual Machine

The only restriction is the system performance of the virtual machine itself. Your virtual machine can be sized to fit your needs and is not limited by the license. Always ensure that the resources of your Barracuda Firewall Insights can handle the desired number of connected devices.

Barracuda Networks recommends the following settings for the initial deployment of your virtual appliance or when upgrading existing installations.

Minimum Storage [TB]	Minimum Memory [GB]	Minimum CPU Cores (Hyperthreading OK)	Minimum IOPS	Model
2	32	8 Cores (16 HT)	24 K	VM Small
6	64	12 Cores (24 HT)	28 K	VM Medium
10	128	16 cores (32 HT)	32 K	VM Large
20	512	32 cores (64 HT)	96 K	VM X-Large

The CPU must support SSE4.2. To verify this, execute the following command on the FRS shell:
`grep -q sse4_2 /proc/cpuinfo && echo "SSE 4.2 supported" || echo "SSE 4.2 not supported"`

Supported Hypervisors

VMware ESXi

- **Recommended Version** – VMware ESX(i) version 6.0 or higher
- **Minimum System Requirements** – VMware ESX(i) version 5.5.0 + all available updates
- **Image Format** – *.ova

To download an image for the VMware ESXi, proceed as follows:

1. Go to <https://www.barracuda.com/download/products/firewall-insights>.
2. Enter the token.
3. You will receive a list of Insights images.
4. Download the VMware image.
5. To deploy Firewall Insights on a VMware Hypervisor, see [How to Deploy Firewall Insights OVA on VMware](#).

Hyper-V

- **Virtual Disk Format** – *.vhd

To download an image for Hyper-V, proceed as follows:

1. Go to <https://www.barracuda.com/download/products/firewall-insights>.
2. Enter the token.
3. You will receive a list of Insights images.
4. Download the Hyper-V image.
5. To deploy Firewall Insights on Hyper-V Hypervisor, see [How to Deploy Firewall Insights on Hyper-V](#).

KVM

- **Supported Versions** – KVM 5.4.2 or higher
- **Image Format** – *.kvm.zip

To download an image for KVM, proceed as follows:

1. Go to <https://www.barracuda.com/download/products/firewall-insights>.
2. Enter the token.
3. Download the KVM image.
4. To deploy Firewall Insights on a KVM Hypervisor, see [How to Deploy Firewall Insights on KVM](#).

Proxmox

- **Image Format** – *.tar.gz

To download an image for Proxmox, proceed as follows:

1. Go to <https://www.barracuda.com/download/products/firewall-insights>.
2. Enter the token.
3. You will receive a list of Insights images.
4. Download the KVM image.
5. To deploy Firewall Insights on a Proxmox Hypervisor, see [How to Deploy Firewall Insights on Proxmox](#).

Further Information

- Initial settings on first boot – [How to Configure Network Settings and Licensing on First Boot](#)

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