

Allocating Cores, RAM, and Hard Disk Space for Your Barracuda Email Security Gateway Vx

<https://campus.barracuda.com/doc/3866657/>

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

Cores, RAM, and Hard Disk Space for the Barracuda Email Security Gateway Vx

Model	Cores	RAM - Recommended Minimum	Hard Disk - Recommended Minimum
100 Vx	1	2.5 GB	50 GB
300 Vx	2	5 GB	50 GB
400 Vx	4	10 GB	50 GB
600 Vx	6 ⁽¹⁾	15 GB	200 GB
800 Vx	12	24 GB	400 GB
900 Vx	24	48 GB	1 TB

Note:

⁽¹⁾ To increase the performance of this model, you should plan on adding 2.5 GB of RAM for each additional core. Also plan to add additional hard disk space. To purchase licenses for additional cores, contact your Barracuda sales representative.

Allocating Cores

In your hypervisor, specify the number of cores to be used by the Barracuda Email Security Gateway Vx. Each Barracuda Email Security Gateway Vx model can use only the number of cores specified in the table above. For example, if you assign 6 cores to the Barracuda Email Security Gateway 300 Vx (which supports only 2 cores), the hypervisor disables the 4 extra cores that cannot be used.

To add cores to your appliance:

1. Shut down the Barracuda Email Security Gateway Vx in your hypervisor. This is an important step to prevent corruption of the running system.
2. In the virtual machine CPU settings, add cores.

Your hypervisor license and version might limit the number of cores that you can specify for your appliance. In some cases, you must add cores in multiples of two.

Allocating Hard Disk Space

Barracuda Networks requires, at a bare minimum, 50 GB of hard disk space to run your Barracuda Email Security Gateway Vx. From your hypervisor, you can specify the size of the hard disk or add a hard disk.

To specify the allocated hard disk space or add a hard disk to your appliance:

1. Shut down the Barracuda Email Security Gateway Vx in your hypervisor. This is an important step to prevent corruption of the running system.
2. Take a snapshot of the virtual machine.
3. In the virtual machine settings, specify the new size for the hard disk or add a new hard disk.
4. Restart the virtual machine. As the appliance is booting up, view the console for Barracuda Email Security Gateway Vx. When the blue Barracuda console screen appears and asks if you want to use the additional hard disk space, enter **Yes**.



If you do not respond to the prompt in 30 seconds, the answer defaults to **No**. Resizing can take several minutes, depending on the amount of hard disk space specified.

Next Step

For instructions on how to set up the Barracuda Email Security Gateway Vx, see the [Barracuda Email Security Gateway Vx Quick Start Guide](#).

Figures

1. hard-disk-console.png

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