

# BackBox **Server Sizing** Recommendations

By default, BackBox stores all configuration information locally on the server. Although it supports exporting files to external storage, it is recommended that files be kept on the BackBox server for fast recovery. Each Network and Security device will generate files of assorted sizes. The sizing recommendations below are based on experience.

Most BackBox installations are in virtualized or cloud environments. For Physical Hardware Deployments, Ivy Bridge or later recommended for Intel, Opteron X or later for AMD – x86\_64 compatible CPU required. RAM, Ballooning/unreserved memory supported. Provisioning type 'Thin provisioning supported' but 'Thick Provisioning Recommended' when Greater than 5000 IOPS. Additionally, follow the guidelines below for RAM, CPU, and Disk.

Please get in touch with [support@backbox.com](mailto:support@backbox.com) for any additional assistance.

## ENVIRONMENT BREAK-DOWN

- **Starting Environments:** 500 devices and fewer
- **Growing Environments:** 500-5,000 devices
- **Enterprise Environments:** 5,000 devices and more

## BASIC SYSTEM REQUIREMENTS for Installation - Management Server

DEVICE CONFIGURATION			
System Components	Starting Environments	Growing Environments	Enterprise Environments
Processor	4 CPU Cores (64 bit)	6 CPU Cores (64 bit)	8 CPU Cores (64 bit)
Memory	16 GB	32 GB	64 GB

## DISK SPACE RECOMMENDATIONS - Management Server

These recommendations are based on an environment with the following configuration:

### 500 Managed Devices:

- 400 Switches
- 100 Firewalls / Gateways / Security Devices

*These recommendations may change depending on the configured retention policy.*

DISK SPACE RECOMMENDATIONS			
System Components	Starting Environments	Growing Environments	Enterprise Environments
Disk Space	500 GB	1024 GB (1 TB)	2048 GB (2 TB)

## BASIC SYSTEM REQUIREMENTS for Installation - Agent Server

DEVICE CONFIGURATION			
System Components	Starting Environments	Growing Environments	Enterprise Environments
Processor	2 CPU Cores (64 bit)	4 CPU Cores (64 bit)	8 CPU Cores (64 bit)
Memory	8 GB	16 GB	32 GB

## DISK SPACE RECOMMENDATIONS - Agent Server

Disk space requirements can vary based on retention and other factors. These recommendations are based on an environment with these devices assigned to the agent:

### 500 Managed Devices:

- 400 Switches
- 100 Firewalls / Gateways / Security Devices

*These recommendations may change depending on the configured retention policy.*

DISK SPACE RECOMMENDATIONS			
System Components	Starting Environments	Growing Environments	Enterprise Environments
Disk Space	500 GB	1024 GB (1 TB)	2048 GB (2 TB)

## RECOMMENDATIONS - BACKBOX SEARCH

If you activate Device-Files Search, BackBox will initially index and allow searching of the most recent backups.

Subsequently, BackBox will index and allow searching of all backups, tasks, and IntelliChecks.

Be advised that the indexing process can consume considerable system resources.

Please ensure that your system meets the following requirements.

DEVICE-FILES SEARCH REQUIREMENTS				
CPU	8 Cores	12 Cores	16 Cores	32 Cores
Memory	16 GB	24 GB	32 GB	64 GB
Disk Space	500 GB	1 TB	1.5 TB	2.5 TB per 2500 devices

For more information, see: <https://support.backbox.com/s/article/BackBox-Search-Overview/>

# About BackBox

Over 500 enterprises worldwide trust BackBox as their preferred network cyber resilience platform. BackBox supports network devices from over 180 vendors, offering thousands of pre-built automations and a no-code way to create new ones. BackBox empowers teams with the confidence to automate critical network processes, maintain business continuity during disruptions, and recover swiftly. From backups and OS updates to configuration compliance and vulnerability management, BackBox ensures that automations deliver consistent, reliable outcomes.

Want to learn more about BackBox and cyber resilience? Visit [backbox.com](https://backbox.com)