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# Server Configuration

Please note that the following are recommendations for installing and demonstrating SEP sesam. The software works on practically any platform, Linux, Unix or Microsoft.

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## Recommended Hardware for Best Results

- Multi Core 64 Bit Intel Processors, 32-bit processors will also work
- Storage:
  - Auto Tape Loader (20/+ slots)
  - Internal RAID (10/f2+ or 6 ) Storage
  - SAN (FC) or NAS
  - **Non** manually loaded tape drive or external USB/SATA disk setup
- Hardware Virtualization Support on the host cpu allows these virtual machines to qualify after installation and configuration of PV drivers
  - All Xen 3+ (use kernel 2.6.16-xen or newer on both the host and the guest, check dmesg for errors)
  - Sun VirtualBox 3+ (sudo /etc/init.d/vboxdrv setup,shutdown, enable pv network, startup,reconfigure network)
  - Vmware ESX 3+ (sudo vmware-config.pl,shutdown, enable pv disk, enable pv network, startup, reconfigure network)
- Memory 4GB+
- Networking
  - Hardware: Bonded 2+ 1GB Managed Ethernet, mode 6 or better with no switch support required
  - DNS: Fully functional forward and **reverse DNS** with entries for all servers and clients
  - Hostname: resolvable in both directions to the interface with the default gateway

## Operating System

- Linux 2.6 or greater
  - Novell SLES10+OES2
  - Debian 6
  - RedHat RHEL5+
- Windows XP or later
- Valid and Activated License
- Booted with all current patches
- Network update configured and working

If you plan to backup any of the below products on OES2/Linux an additional [Novell Client Configuration](#) [1] is required on the backup server

- OES/Netware
- GroupWise
- eDirectory
- iFolder
- NSS Volumes
- [Novell Clusters](#) [2]

Additional configurations are also supported, see the [Sesam Supported Operating Systems and Software](#) [3] page for more information

## Minimum Hardware

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### Minimum Server Configuration:

- Single Core 32 Bit IA32 Architecture, INTEL or AMD Processor, 500Mhz
- Storage:
  - 500MB available storage
- Hardware Virtualization Support on the host cpu allows these virtual machines to qualify after installation and configuration of PV drivers
  - All Xen 3+ (use kernel 2.6.16-xen or newer on both the host and the guest, check dmesg for errors)
  - Sun VirtualBox 3+ (sudo /etc/init.d/vboxdrv setup,shutdown, enable pv network, startup,reconfigure network)
  - Vmware ESX 3+ (sudo vmware-config.pl,shutdown, enable pv disk, enable pv network, startup, reconfigure network)
- Memory 64MB
- Network
  - Hardware: Ethernet
  - DNS: Fully functional forward and **reverse DNS** with entries for all servers and clients
  - Hostname: resolvable in both directions to the interface with the default gateway

## Operating System

All operating systems require a valid and fully activated purchased or oss license.

### Microsoft Windows XP

- Network update service fully configured and working
- Booted with all current patches

### Linux 2.2 or later from any vendor

- Valid license may be required

### Novell OES2 Linux

- [Novell Client Configuration](#) <sup>[1]</sup> on the backup server and the client 6.5+
- [Novell Clusters](#) <sup>[2]</sup>

### Novell Netware 5+ as client

- Requires licensed and fully updated OES2 Linux server

Additional configurations are also supported, see the [Sesam Supported Operating Systems and Software](#) <sup>[4]</sup> page for the complete list

SEP sesam Servers All Versions 3.6 4.0
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**Links:**

- [1] <http://sepusa.com/node/180>
- [2] <http://sepusa.com/node/912>
- [3] [http://sepusa.com/getwiki/SEP\\_sesam\\_OS\\_and\\_database\\_support\\_matrix\\_3.6](http://sepusa.com/getwiki/SEP_sesam_OS_and_database_support_matrix_3.6)
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