



System Requirements

"NovaStor xSP 19" Client



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NovaStor xSP Client Licenses

NovaStor xSP client licenses utilize NovaBACKUP software.

Requirements

- 1.3 GHz processor minimum
- 1 GB of free RAM minimum
- 3 GB free hard drive available space on OS drive. (Full installation is approximately 300MB)
- Internet Explorer 9 or higher
- TCP/IP network

Supported Operating Systems

NovaStor xSP client licenses support both 32 and 64 bit versions of the following Operating Systems:

- Windows 10
- Windows 8.1
- Windows 8
- Windows 7 SP1
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1
- Windows Server 2008 SP2
- Windows Small Business Server 2011
- Windows Small Business Server 2008 SP2

*Image backups do not support any Tablet-based devices

Virtual Dashboard Requirements

NovaStor xSP client licenses include a Virtual Dashboard for backing up and restoring virtual machines with the ability to restore individual files, and Replication have separate system requirements than other parts of the product.

Supported Operating Systems (Virtual Dashboard)

VMware

- Windows 10
- Windows 8.1
- Windows 8
- Windows 7
- Windows Server 2008 R2
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016



Hyper-V

- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016

Supported Hypervisors (Virtual Dashboard)

- Windows Hyper-V Server 2012
- Windows Hyper-V Server 2012 R2
- Windows Hyper-V Server 2016
- VMware ESX(i) 5.x (w/vStorage API)
- VMware ESX(i) 6.x (w/vStorage API)
- VMware vSphere 5.x (w/vStorage API)
- VMware vSphere 6.x (w/vStorage API)

NovaStor Granular Restore

Granular restore of Microsoft Exchange (single mailbox) and Microsoft SQL is handled using the NovaStor Granular Restore application, included with NovaStor xSP client licenses. Below are basic system requirements but you can find more by checking our website:

[For more information, visit our support page.](#)

Microsoft Exchange mail store database versions

- 2007 RTM
- 2007 SP1
- 2007 SP2
- 2007 SP3
- 2010 RTM
- 2010 SP1
- 2010 SP2
- 2010 SP3
- 2013 RTM
- 2013 SP1
- 2016 RTM
- 2016 CU1
- 2016 CU2

Microsoft Outlook (PST/OST) version files

- 2007
- 2010



- 2013

Microsoft SQL Server database (MDF/BAK) versions

- 2008
- 2008 R2
- 2012
- 2014
- 2016

Supported Applications

Microsoft SQL

- Microsoft SQL Server 2008 SP3
- Microsoft SQL Server 2008 R2 SP2
- Microsoft SQL Server 2012 SP1
- Microsoft SQL Server 2014
- Microsoft SQL Server 2016

Microsoft Exchange

- Microsoft Exchange Server 2007 SP3
- Microsoft Exchange Server 2010 SP3
- Microsoft Exchange Server 2013 SP1
- Microsoft Exchange Server 2016

Microsoft Hyper-V

- Microsoft Hyper-V Server 2008 R2
- Microsoft Hyper-V Server 2012
- Microsoft Hyper-V Server 2012 R2
- Microsoft Hyper-V Server 2016

VMware (with vStorage API)

- VMware ESX(i) 5.x
- VMware ESX(i) 6.x
- VMware vSphere 5.x
- VMware vSphere 6.x



Backing up Virtual Machines (Microsoft Hyper-V)

Backing up Microsoft Hyper-V is supported only on Microsoft Server operating systems (not Windows 8 / 8.1). In order to back up Microsoft Hyper-V virtual machines, you will need to have NovaStor xSP client software installed on the Hyper-V Host Operating System.

Backing up Virtual Machines (VMware vSphere)

You will need NovaStor xSP client software installed on a machine (Physical or Virtual) with a supported operating system and your VMware vSphere installation requires the vStorage API. The machine that NovaStor xSP client software is installed on needs to have network connectivity to your VMware vSphere server. NovaStor xSP client software may be installed on a Virtual Machine but will not be able to directly back up its own Virtual Machine.

Supported Backup Devices and Media

Local Devices

- SCSI, IDE (Parallel-ATA), SATA, and SAS Hard Drives
- External Hard Drives - USB 1.1 / 2.0 / 3.0, FireWire
- Format external drives > 2TB with [GUID Partitions \(GPT\) instead of MBR](#)
- Microsoft ReFS file systems are unsupported
- Network Storage (SAN or NAS / Network Share with CIFS or SMB Support)
- Single Tape Drives
- Flash Storage (USB)

Offsite

- NovaStor Service Provider
- FTP (FTP, SFTP, FTPS)
- Amazon S3

System Image

- Bootable CD/DVD Recorder and CD/DVD Media is required (or USB)
- Local / removable hard drives
- NAS Devices

Central Monitoring Console (CMon)

Server System Requirements

- Intel Dual Core CPU or better
- 4 GB of RAM minimum
- 3 GB free hard drive available space on OS drive
- Internet Explorer 9 or higher
- TCP/IP network
- .NET 4
- Microsoft SQL Server 2008 R2 or newer (Optional)



- IIS 7.5 or higher with IIS 6 Management Compatibility (Optional)

Supported Operating Systems

- Windows Server 2008 SP2
- Windows Server 2008 R2 SP1
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016

Client-Side Supported HTML5 Web Browsers (Desktop/Tablet/Mobile Phone)

- Microsoft Internet Explorer 9 or higher
- Microsoft Edge 25.10586 or higher
- Google Chrome 51 or higher
- Mozilla Firefox 47 or higher
- Apple Safari 9.1 or higher
- Apple Mobile Safari 6.0 or higher
- Android Browser 5.0 or higher
- Blackberry 10 browser or higher
- Opera Mobile 10 or higher
- Amazon Silk

Client-Side Browser Requirements

- JavaScript must be enabled
- Cookies must be enabled
- Local storage must be enabled with a minimum size of 10KB
- Internet Explorer specific requirements:
 - Active scripting must be enabled
 - Enhanced Security must be disabled
 - Protected Mode must be disabled
 - Compatibility mode must be disabled
 - Script debugging disabled
 - File downloads must be enabled for downloading reports

Note for all installations

All installations require an Administrator Account and cannot be installed under a Limited User Account.



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