

Symantec Backup Exec™ 11d for Windows Servers

Quick Installation Guide

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Quick Installation Guide - Table of Contents

System requirements	6
Before you install	7
About the Backup Exec services account	8
Installing Backup Exec to a local computer	9
Installing Backup Exec options to the local computer	13
Upgrading from previous versions of Backup Exec	14
Before starting Backup Exec	15
Starting Backup Exec	16
Frequently asked questions	17

Symantec Backup Exec™ 11d for Windows Servers Quick Installation Guide

This guide provides instructions to help you install Backup Exec 11d for Windows Servers and its options to local servers by using the Backup Exec installation program. For information about any of the following installation scenarios, see the chapter titled "Installing Backup Exec" in the *Symantec Backup Exec for Windows Servers Administrator's Guide*:

- Install Backup Exec from the command line.
- Install Backup Exec media servers to remote computers.
- Install Backup Exec remote agents and options on remote servers.
- Install the Backup Exec Remote Administrator.

The Administrator's Guide provides complete instructions to help you set up and use Backup Exec. The Administrator's Guide is available in PDF format on the installation CD and in online help format from the Help menu in Backup Exec.

System requirements

The following are the minimum system requirements for running this version of Backup Exec:

Minimum system requirements

Item	Description
Operating system	<ul style="list-style-type: none">◆ Microsoft Windows 2000 Server (with Service Pack 4 and Update Rollup 1 for Service Pack 4)◆ Microsoft Windows Server 2003◆ Microsoft Windows Server 2003 x64 Editions◆ Microsoft Windows Server 2003 R2 Editions◆ Microsoft Windows Storage Server 2003 (with Service Pack 1)◆ Microsoft Windows Storage Server 2005◆ Microsoft Windows XP (with Service Pack 2)◆ Microsoft Windows XP Professional x64 Edition◆ Microsoft Windows Small Business Server 2000 (with Service Pack 4)◆ Microsoft Windows Small Business Server 2003 (with Service Pack 1)◆ Microsoft Windows Small Business Server 2005
Additional application support	<ul style="list-style-type: none">◆ Microsoft Windows Microsoft Management (MOM) 2005◆ Microsoft Windows Data Protection Manager
Internet browser	Internet Explorer 6.0 or later. Service Pack 1 is required for SQL Server 2005 Express.
Processor	Intel Pentium, Xeon, AMD, or compatible.
Memory	Required: 256 MB RAM Recommended: 512 MB RAM (or more for better performance) Note RAM requirements may vary depending on the operations performed, the options installed, and the specific computer configuration. For the Central Admin Server Option: 512 MB RAM required, 1 GB recommended. Virtual Memory Recommendations: 20 MB above the Windows recommended size for total paging file size (total for all disk volumes).

Minimum system requirements

Item (continued)	Description
Disk space	696 MB (Typical installation) 805 MB (Includes all options) Note Disk space requirements may vary depending on the operations performed, the options installed, and the specific system configuration. Backup Exec databases and catalogs will require additional space.
Other hardware	<ul style="list-style-type: none"> ◆ Network interface card or a virtual network adapter card. ◆ CD-ROM drive. ◆ (Recommended) A mouse. ◆ (Optional for pager notification) Modem supported by Microsoft Windows. ◆ (Optional for printer notification) Printer supported by Microsoft Windows.
Storage hardware	Backup Exec requires at least one storage media drive or single-drive robotic library and the appropriate controller card. You can also use removable storage devices and non-removable hard drives. Refer to the Backup Exec hardware compatibility list for a complete list of supported devices: http://support.veritas.com/menu_ddProduct_BEWNT_view_CL.htm Support for a single robotic library drive is available when you purchase Backup Exec. To enable support for additional robotic library drives, you must purchase the Backup Exec Library Expansion Option.

Before you install

Before you install Backup Exec, you should do the following tasks:

- Run the Backup Exec Environment Check on the computer on which you want to install Backup Exec. The Environment Check analyzes the computer to make sure that the installation process can complete. If Backup Exec finds configuration issues that can be fixed during the installation, or that may prevent the installation, warnings appear. Although the Environment Check runs automatically during installation, you may want to run it manually before you install Backup Exec or before you back up data with Backup Exec.

- Install the storage device hardware (controller, drives, robotic libraries) on the media server. Refer to the documentation that is included with your storage device hardware for installation instructions. Use the appropriate Windows hardware setup functions to configure your controller and storage devices. Refer to your Microsoft Windows documentation for more information.
- Check your Windows security settings to make sure they work properly with the Backup Exec service account.
- If the drive on which you want to install Backup Exec is encrypted or compressed, and you would like to use a default SQL Express database, verify that an unencrypted and uncompressed drive is available for SQL Express installation.
- Exit all other programs.

About the Backup Exec services account

All Backup Exec services on the media server run in the context of a user account configured for the Backup Exec system services. You can create this account during the Backup Exec installation, or you can use an existing user account. To create a service account for Backup Exec during installation, enter the name and password of an Administrator account for the Backup Exec services to use.

If this computer is in a domain, enter a Domain Administrators account, or an equivalent account that is part of the Domain Admins group. In the Domain list, select or enter the Domain name.

If this computer is in a workgroup, enter an Administrators account, or an equivalent account that is part of the Administrators group on the computer. In the Domain list, select or enter the computer name.

The account that you designate for Backup Exec services, whether it is a new account or an existing user account, is assigned the following rights:

- Authenticate as any user and gain access to resources under any user identity.
- Create a token object, which can then be used to access any local resources.
- Log on as a service.
- Administrative rights (provides complete and unrestricted rights to the computer).
- Backup operator rights (provides rights to restore files and directories).
- Manage auditing and security log.

Due to security implementations in Microsoft Small Business Server, the service account must be Administrator.

On a computer that runs Windows Server 2003 or Windows XP, you cannot install Backup Exec with a service account that has a blank password. If you attempt to do so, the following error message appears when Backup Exec services are created:

The given password is not correct for account [server]\[username].

You can configure Windows to allow for blank passwords. For more information, see your Windows documentation.

Installing Backup Exec to a local computer

The Backup Exec CD includes an installation program that guides you through the installation process.

If you are upgrading from a previous version of Backup Exec, see [“Upgrading from previous versions of Backup Exec”](#) on page 14.

If you want to install Backup Exec to a non-English version of Windows, you must download the SQL Express SP1 setup file from the Microsoft Web site before you install Backup Exec if all of the following are true:

- You want to use a local Backup Exec SQL Express instance.
- You have non-English SQL Server instances on the computer on which you want to install Backup Exec.

In addition, if you upgrade from a previous version of Backup Exec that uses a non-English version of Windows, you must download the SQL Express SP1 setup file from the Microsoft Web site.

Note If you install Backup Exec through Terminal Services and the installation media is on a shared drive (CD-ROM or network share), you must install it using a UNC path. Installation via mapped drives is not supported in this situation.

To install Backup Exec to a local computer

1. From the installation CD browser, click **Installation**, and then click **Start the Backup Exec Installation**.
1. From the installation CD browser, select the option to install Symantec Backup Exec.
2. On the Welcome panel, click **Next**.
3. Select **I accept the terms of the license agreement**, and then click **Next**.
4. Check **Local Install**, and then click **Install Backup Exec software and options**.

5. Click Next

For first-time installations and for upgrades, the Backup Exec Environment Check runs automatically after you click Next.

6. Review the results of the Environment Check.

7. Do one of the following:

- If the Environment Check does not reveal any issues that may prevent a successful installation of Backup Exec, click **Next**.
- If the Environment Check reveals any issues that may prevent a successful installation of Backup Exec, click **Cancel** to exit the wizard. Correct the issues before you attempt to install again.

8. Do one of the following:

- | | |
|--|---|
| If you have serial numbers for Backup Exec and its options | <ul style="list-style-type: none">◆ Go to https://licensing.symantec.com to activate the product. After you activate the product, Symantec sends license keys to you. License keys are required to install Backup Exec and its options. You can access the Web site from any computer that has Internet access.◆ When you receive your license keys, go to step 9 |
|--|---|

If you have license keys for Backup Exec and its options	Go to step 9.
--	---------------

9. Select one of the following methods to enter license keys:

- | | |
|------------------------------------|---|
| To manually enter license keys | <ul style="list-style-type: none">◆ Type a license key into the license key field.◆ Click Add.◆ Repeat for each license key for each option or agent that you want to add. |
| To import license keys from a file | <ul style="list-style-type: none">◆ Click Import.◆ Select the besernum.xml file. |
| To install an evaluation version | <ul style="list-style-type: none">◆ Leave the license key field blank.◆ Proceed to step 9. |

10. Click Next.

The license keys that you entered are saved to the besernum.xml file, located in the Windows or WINNT directory.

11. Select any additional features to install.

All features that you do not select have a red X in the feature icon. To enable any of these options, click the X, and then click **This feature will be installed on <computer name's> hard drive**. If the feature icon is shaded, the option is not available for change.

12. Do one of the following:

To change the directory where the Backup Exec files are installed Click **Change** to select a new directory.

To accept the default directory (recommended) Proceed to step 12.

Symantec recommends that you do not select a mount point as the destination directory because if you delete the mount point, Backup Exec is uninstalled.

13. Click **Next**.

14. Provide a user name, password, and domain for an Administrator account that the Backup Exec system services can use, and then click **Next**.

See [“About the Backup Exec services account”](#) on page 8 for more information.

15. On the Symantec Backup Exec Database panel, do one of the following to select a location to store the Backup Exec database:

- To create a local Backup Exec SQL Express instance
 - ◆ Click **Create a local Backup Exec SQL Express instance to store the database on**.
 - ◆ To change the location of the database, click **Browse**.
 - ◆ Select the location, and then click **OK**.

To use an existing SQL Server 2000 or SQL Server 2005 instance

- ◆ Click **Use an existing SQL Server 2000 (SP3a or later) or SQL Server instance on the network to store the database on.**
- ◆ Select the instance.

Note When Backup Exec is installed into an existing instance, the automated master database restore feature is not available. To recover the Master database, you must replace it with the Master database copy that Backup Exec automatically creates and updates when the Master database is backed up.

When Backup Exec is installed into an existing instance, the Cluster Configuration Wizard is not available.

During the installation process, Backup Exec stops and starts the SQL Server instance that you select several times. This might affect other applications that use the SQL Server instance.

16. Click Next.

Backup Exec attempts to connect to the instance.

17. If the Select path to SQL Express setup file panel appears, perform the following steps to identify the location of the SQL Express SP1 setup file:

- Click **Browse.**
- Navigate to the location where you downloaded the SQL Express SP1 setup file.
- Click **OK.**
- Click **Next.**

18. If prompted, select how the Symantec Device Driver Installer should install device drivers for the tape storage devices that are connected to the server, and then click Next.

It is recommended that you select **Use Symantec device drivers for all tape devices.**

19. If you are prompted, enter information or choose settings for additional options that you want to install. Click Next after each selection.

20. Read the Backup Exec installation review, and then click Install.

The installation process takes several minutes to complete. During the process, the progress bar may not move for several minutes.

21. When the installation is complete, you can view the readme, create a shortcut to Backup Exec on the desktop, and restart the computer.

22. Click **Finish** to close the installation wizard.

If Restart System appears, restart the computer in order for the configuration to take effect.

An installation job log named `bkupinst.htm` is created in the Application Data folder on the computer where Backup Exec is installed. This file lists any errors that may have occurred during installation. The last line of the log indicates if the installation was successful and if you must restart the computer.

After you install Backup Exec on the media server, Backup Exec Workstation Agent software can be installed and configured on remote workstations on the network.

Installing Backup Exec options to the local computer

You can install additional options, such as the Library Expansion Option, when you install Backup Exec by following the procedures described in “[Installing Backup Exec options to the local computer](#)” on page 13. However, if you have already installed Backup Exec and want to install additional options, you should first review the section on that option to ensure that you have met all minimum requirements.

If you have installed the Evaluation version of Backup Exec or have installed the Not For Resale (NFR) edition, you can install evaluation versions of the additional options.

Note If you install Backup Exec through Terminal Services and the installation media is on a shared drive (CD-ROM or network share) you must install using a UNC path. Installation via mapped drives is not supported.

The Backup Exec services are stopped while the additional options are installed. If any active jobs are running, you are prompted to stop them, or to wait for the jobs to finish.

Note If the Central Admin Server Option is installed, and you want to install additional options on a managed media server, you can pause the managed media server to prevent the central administration server from delegating jobs to it. When the installation is complete, un-pause, or resume, the managed media server.

To install Backup Exec options to the local computer

1. Start Backup Exec for Windows Servers or verify that it is running.
2. On the Tools menu, click **License Keys and Installation**.
3. On the Welcome panel, click **Next**.
4. Verify that Local Install and Additional Options are selected, and then click **Next**.

5. Select one of the following methods to enter license keys:

- | | |
|------------------------------------|--|
| To manually enter license keys | <ul style="list-style-type: none">◆ Type a license key into the license key field.◆ Click Add.◆ Repeat for each license key for each option or agent you want to add. |
| To import license keys from a file | <ul style="list-style-type: none">◆ Click Import.◆ Select the besernum.xml file. |
| To install an evaluation version | <ul style="list-style-type: none">◆ Leave the license key field blank.◆ Proceed to step 6. |

6. Click **Next**.

7. Verify that the additional options are selected for installation, and then click **Next**.

8. If you are prompted, enter information or choose settings for additional options that you want to install. Click **Next** after each selection.

9. Read the Backup Exec installation review, and then click **Install**.

The Backup Exec services are stopped while the additional options are installed. If any active jobs are running, you are prompted to stop them, or to wait for the jobs to finish.

When the installation is complete, the services are restarted.

10. Click **Finish**.

Upgrading from previous versions of Backup Exec

This version of Backup Exec for Windows Servers replaces any previous versions. No separate migration or upgrade utility is necessary. Most settings and all catalogs and data directories from previous versions of Backup Exec are kept (for example, when the TSM option adds registry settings). At the end of the installation, the upgrade process is summarized. Only Backup Exec version 9.x and later can be migrated to this release.

The new version of Backup Exec for Windows Servers (including the Evaluation version) replaces any current installation. Separate installations of different versions cannot exist on the same computer.

For information on how to migrate templates from Backup Exec version 9.0 and 9.1, see the topic titled "Migrating Templates from Previous Versions of Backup Exec" in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.

Before you upgrade Backup Exec, do the following:

- Delete job histories and catalogs that you no longer need to shorten the upgrade window.
- Run a database maintenance job.

To upgrade from Backup Exec version 8.0 or later

1. Perform steps 1 through 7 in the topic "[Installing Backup Exec to a local computer](#)" on page 9.
2. Enter license keys for Backup Exec, and for each Backup Exec option that you want to install, and then click **Next**.

Read the Installation Review. To add additional license keys, click **Back** until the Symantec Backup Exec license keys page appears. Enter the license keys, and then click **Next** to continue.

3. On the Back Up Existing Catalog and Data page, enter or browse to a directory to which you want to back up all existing catalogs and data. The default location is:

C:\Program Files\Symantec\Backup Exec\Data

If you do not want to keep previous catalogs and data, click **Do not back up previous data and catalogs**.

4. Click **Next** to continue.

Before starting Backup Exec

For best results before starting Backup Exec, do the following:

- Make sure your storage devices are connected and configured properly.
- Decide if your backup will be to a tape device or a disk device. You can configure both devices when you prepare your Backup Exec environment.
 - If you're backing up to a tape device, verify that the device is supported. You can install drivers for the devices when you configure your Backup Exec environment.

- If you're backing up to a disk device using the Backup-to-Disk feature, decide where you can create a backup folder. You should create it on a disk that won't be included in the backup jobs and that has enough free space to contain the backup job. For more information, see "About backup-to-disk folders and files in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.
- ❑ Understand how Backup Exec provides overwrite protection for your media. For more information, see "Media overwrite protection in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.
- ❑ Understand the default media set and its infinite overwrite protection period. For more information, see "About the media overwrite protection level in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.
- ❑ Learn about creating new media sets with weekly, monthly, or quarterly retention periods. For more information, see "Default media set in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.
- ❑ Decide what Windows credential you want your Backup Exec logon account to use when browsing and making backup selections. You can use an existing account, or create a new one. You'll be prompted for a default Backup Exec logon account when you configure your Backup Exec environment. For more information, see "Creating a Backup Exec logon account in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.
- ❑ Decide the format that you want to display all reports, either HTML or Adobe Portable Document Format (PDF). The default setting is HTML. For more information, see Setting default options for reports in the *Symantec Backup Exec for Windows Servers Administrator's Guide*.

Starting Backup Exec

- ❖ To start the Backup Exec Administration Console, click **Start > All Programs > Symantec Backup Exec for Windows Servers**.

If you selected the option to add an icon to your desktop when you installed Backup Exec, you can also double-click the icon to start Backup Exec.

Frequently asked questions

How do I run a backup job?

There are several ways to run a backup, depending on your backup needs and level of experience with Backup Exec. Use one of the following to run a backup job:

Ways to run a backup job

If you are a	Do this
New user	Use the Backup Wizard, which guides you through the setup of a backup job.
Experienced user	Do one of the following: <ul style="list-style-type: none"> ◆ On the navigation bar, click the arrow next to Backup, and then click New Backup Job to configure the options for a backup job. ◆ On the navigation bar, click Job Setup to create a policy to use for multiple backup jobs. ◆ Use Windows Explorer to create a backup job.

Where can I find the wizards?

You can find wizards in the following locations:

Location of wizards

To access wizards	Do this
On the Backup Exec Assistant	On the Help menu, click Backup Exec Assistant .
On the Tools menu	On the Tools menu, click Wizards .

Where can I find the Readme file?

You can find the readme in the following locations:

Location of readme

To access the readme	Do this
In the Backup Exec directory	In the directory where Backup Exec was installed. The default directory is C:\Program Files\Symantec\Backup Exec.

Location of readme (continued)

To access the readme	Do this
On the Help menu	On the Help menu, click ReadMe File .

Where can I find the online documentation for Backup Exec?

You can find the online documentation in the following locations:

Location of documentation

To access the documentation	Do this
On the Backup Exec Assistant	<ul style="list-style-type: none">On the Help menu, click Backup Exec Assistant.Under Documentation, click View Symantec Backup Exec Administrator's Guide.
On the Help menu	On the Help menu, click Administrator's Guide .

How do I get in touch with Technical Support?

You can contact Technical Support the following ways:

Ways to contact Technical Support

To contact technical support	Do this
On the Backup Exec Assistant	<ul style="list-style-type: none">On the Help menu, click Backup Exec Assistant.Under Technical Support, click Backup Exec Technical Support.
On the Help menu	On the Help menu, click Symantec on the Web>Online Support .

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