

Overview

HP Data Protector for Notebooks & Desktops software continuously and automatically protects users' files on networked Windows notebook and desktop computers. Continuous protection means that data files, such as Microsoft Office documents, are backed up as soon as they are saved. For the IT administrator, with data on up to 1000 end-user machines to protect, Data Protector for Notebooks and Desktops delivers an easy to manage, robust and unified solution to protecting data on the organization's notebook and desktop computers. For users it provides assurance that their data is safe should they accidentally delete it or corrupt it or should they lose or damage their computer. Protection happens invisibly to the users; there is no backup operation to be manually triggered or scheduled. User self-service data recovery saves time for both the IT administrator and that user. Data Protector for Notebooks and Desktops integrates into Windows Explorer so that a right click opens a context menu that is used to select file versions available for recovery. The multiple file versions are stored using smart differencing technology to optimize use of the available storage space. The protection extends to persistently open files such as Microsoft Outlook PST files and works when the user is connected to the network or working off-line. For added protection, HP Data Protector for Notebooks and Desktops software works with Data Protector Express backup/recovery software to allow protected data to be further protected by backup to tape or other media.

HP Data Protector for Notebooks & Desktops software part numbers

HP Data Protector for Notebooks & Desktops10 Pack	BB621A
HP Data Protector for Notebooks & Desktops25 Pack	BB622A
HP Data Protector for Notebooks & Desktops100 Pack	BB623A

NOTE: Data Protector for Notebooks and Desktops consists of:

1. Data Protector for Notebooks and Desktops Administration Server
2. A network backup location; storage directly connected to the Administration Server and/or network connected storage
3. Data Protector for Notebooks and Desktops Clients

When the Data Protector for Notebooks and Desktops Clients are purchased the license to use the Data Protector for Notebooks and Desktops Administration Server is also granted. The Data Protector for Notebooks and Desktops Administration is used to configure the backup location and backup policies for the Clients.

Benefits

Continuous protection of notebook and desktop user data for up to 1000 machines

- Application data files protected automatically after each save operation to minimize exposure to data loss
- No user interaction needed, operation is transparent to the user
- Very low overhead so users' productivity maintained, protection processes run when resources are available
- Can even protect data files edited on the local client system but saved on a network share
- E-mail files (such as Outlook .PST files) and other continually open files are backed up multiple times a day even when the application keeps running.

Protection when mobile and when connected

- Backups stored in local repository when off-line and transmitted to remote backup location when on-line
- Robust protection for notebook users working remotely
- File versions recoverable regardless of whether there is a network connection

Easy for users

- Transparent operation
- File recovery integrated in Microsoft Windows Explorer via an intuitive context menu
- More functionality (configurable by Administrator) available from Data Protector for Notebooks and Desktops Client GUI

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HP Data Protector for Notebooks & Desktops software

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Easy for Administrators

- Wizard driven fast installation that checks for required components and if needed installs them from CD-ROM
- Install Data Protector for Notebooks and Desktops Client without requiring a reboot and take advantage of pre-configured policies
- Define policies for versions, retention periods, include file types, etc. globally and allow or disable end-users to change these policies
- Also define policies for exclusion of directory or file names globally and allow or disable end-users to change these policies
- Automatic deployment of multiple clients and automatic update of client version
- Multiple reports to monitor the protection level of clients and the space consumption on the client and backup location(s)
- Automatic handling of client licenses from the Administration Server

Flexible and robust

- Protected files stored in one or more locations
- Admin-controlled policies specify files to include and exclude for protection so only required files are protected
- Open file support ensures email (PST) files are protected and recoverable after loss
- Optional encryption of files on the backup location

Easy file recovery

- Easy for user to recovery files without calling the administrator because intelligence is integrated into Microsoft Windows Explorer
- Also possible to recover files and directories using Data Protector for Notebooks and Desktops GUI and roll these data files back to an earlier point in time
- Multiple recoverable versions available to recover most recently saved or an earlier file

Space and network efficient

- Protected files are compressed before being copied to the local repository
- Uses smart byte-level differencing technology for multiple file versions to minimize storage space needed for backup locations
- Initial backups managed to prevent network overload

Improved service and reduced cost

- Immediate file recovery for end-user, no delay caused by calling administrator or help desk because self-service file recovery possible using intuitive right-click file recovery menus
- Reduced overhead in supporting notebook and desktop users
- Improved service levels to notebook and desktop users because exposure to data loss is reduced

Extend protection by using backup/recovery application

- HP Data Protector Express software or another backup application can write protected data from the backup location to tape
- Extends the capability of "traditional" backup and recovery applications beyond scheduled backup jobs
- Administration of backup and recovery application on the Administration Server is not seen by end-user

Supported environments and platforms

Supported Environments Data Protector for Notebooks and Desktops is supported for organizations that require to protect data on up to 1000 client machines. Environments with more than 1000 clients to are not supported by Data Protector for Notebooks and Desktops. The 1000 client limitation applies regardless of how many Data Protector for Notebooks and Desktops Administration Servers are used, it is the total of all the clients with data protected by Data Protector for Notebooks and Desktops.

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Data Protector for Notebooks and Desktops Clients

Supported Operating Systems

- Microsoft Windows Vista
- Microsoft Windows XP SP2 or newer
- Microsoft Windows 2000 SP4 or newer

Required Components

- Microsoft .NET Framework 2.0 or newer
- For Microsoft Windows 2000: Microsoft file system filter manager*

NOTE: These components will be installed from the Data Protector for Notebooks and Desktops installation CD-ROM if not already installed.

* If not already installed, this will be installed from a Microsoft Hotfix on the installation image. After this Hotfix is installed a reboot will be required.

Hardware Requirements

There are no special hardware requirements. The processor and memory requirements are less than required by the operating systems.

Data Protector for Notebooks and Desktops Administration Server

Supported Operating Systems

- Microsoft Windows Server 2003 SP1 or newer (32-bit)
- Microsoft Windows 2000 SP4 or newer (32-bit)

Required Database Application (one of these depending upon size of installation)

- Microsoft SQL Server 2000 MSDE (available on installation CD-ROM)
- Microsoft SQL Server 2000 or Microsoft SQL Server 2005

NOTE: The choice of which Microsoft SQL Server database to use depends upon the size of the installation.

Data Protector for Notebooks and Desktops can use a database instance running on the same machine as the Data Protector for Notebooks and Desktops Administration Server or a database instance running on a remote machine. The Microsoft SQL Server database must be configured to support Mixed Mode Authentication.

Required Components (available on installation CD-ROM)

- Microsoft Internet Information Service (IIS) 5.0 or newer with support for ASP.NET applications
- Microsoft .NET Framework 2.0 or newer
- Windows Installer 3.0 or newer

NOTE: These components will be installed from the Data Protector for Notebooks and Desktops installation CD-ROM if not already installed.

Hardware Requirements - Administration Server

- CD-ROM drive for installation media (recommended)
- The processor and hardware requirements are less than required by the operating system

Hardware Requirements - Backup Location (either on the Administration Server or on a separate machine)

- Enough disk space for the client backup data. Depends upon the baseline data volumes, rate of data change, compressibility of the files and the protection policies defined on the Administration

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Server.

- Network connectivity. 10baseT would typically work for a few tens of clients. 100baseT would typically be needed for more clients. Gigabit Ethernet connectivity would typically be needed for hundreds of clients. The actual network capacity needed depends upon the baseline data volumes, rate of data change, compressibility of the files and the protection policies defined on the Administration Server.

Supported number of notebook and desktop clients.

Data Protector for Notebooks and Desktops Administration Server with Microsoft SQL Server 2005 Express

Up to 500 Data Protector for Notebooks and Desktops Clients are supported per Data Protector for Notebooks and Desktops Administration Server.

Data Protector for Notebooks and Desktops Administration Server with Microsoft SQL Server 2000 or Microsoft SQL Server 2005

Up to 1000 Data Protector for Notebooks and Desktops Clients are supported per Data Protector for Notebooks and Desktops Administration Server.

Total Number of supported clients

Data on up to 1000 client machines within the organization can be protected with Data Protector for Notebooks and Desktops. For management purposes, one or more Data Protector for Notebooks and Desktops Administration Servers can be deployed.

NOTE: The 1000 client limit is per organization not per Data Protector for Notebooks and Desktops Administration Server and used, it is the total of all the clients with data protected by Data Protector for Notebooks and Desktops.

NOTE: Each Data Protector for Notebooks and Desktops Administration is managed independently and installed on a separate machine.

Backup Location

The backup location can be on the same machine as the Data Protector for Notebooks and Desktops Administration Server or on a different machine. One or more Backup Locations are specified. The Backup Location must be specified using UNC format.

The Backup location must have enough disk space to store the protected data (baseline and deltas) transmitted from the Data Protector for Notebooks and Desktops Clients.

Distribution Media

Delivered on a CD-ROM

Documentation

You can find the manuals in PDF format on the software CD-ROM and at

<http://www.hp.com/go/dataprotector/notebook>.

HP Data Protector for Notebooks and Desktops Getting Started and Installation Guide BB621-96004

Software Licensing

Licensing is managed using the Data Protector for Notebooks and Desktops Administration Server.

HP Data Protector for Notebooks and Desktops software is instantly-on for 60 days post installation and requires a license key to be used beyond 60 days.

License Keys are delivered via HP's WebKey service at <https://webkey.external.hp.com>.

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Warranty and Services Included with the Product HP warrants only that the software media will be free of physical defects for a period of ninety (90) days from delivery. For more information about HP's Global Limited Warranty ftp://ftp.compaq.com/pub/products/storageworks/warranty/EN_321708-008.pdf

First year of 9x5 Customer Support for the product administrator(s) is included in the software product price, and is therefore a key benefit to purchasing HP Data Protector for Notebooks and Desktops software. In addition, at an affordable price users can extend their telephone coverage hours to 24 x 7 by purchasing Customer Support 24 x 7. Both of these products include unlimited telephone support during coverage hours (Standard 9 x 5 or Extended 24 x 7), software update service, and access to web support tools. Either of these support options can be extended from 1 to 3 years through one of the HP Care Packs.

NOTE: Support from HP is offered to the Data Protector for Notebooks and Desktops administrator(s) only. End users should call these administrators for assistance who, if required, can then call HP.

For more information on HP support services, please visit: <http://www.hp.com/hps/storage/>

HP Flexible Care Pack Services

Description	Part Number
Upgrade of HP Data Protector for Notebooks and Desktops 10 Pack from 1 year business hours (9x5) support to 1 year 24x7 support	HA107A1
Extension of HP Data Protector for Notebooks and Desktops 10 Pack from 1 year business hours (9x5) support to 3 years business hours support	HA106A3
Extension and upgrade of HP Data Protector for Notebooks and Desktops 10 Pack from 1 year business hours (9x5) support to 3 years 24x7 support	HA107A3
Upgrade of HP Data Protector for Notebooks and Desktops 25 Pack from 1 year business hours (9x5) support to 1 year 24x7 support	HA107A1
Extension of HP Data Protector for Notebooks and Desktops 25 Pack from 1 year business hours (9x5) support to 3 years business hours support	HA106A3
Extension and upgrade of HP Data Protector for Notebooks and Desktops 25 Pack from 1 year business hours (9x5) support to 3 years 24x7 support	HA107A3
Upgrade of HP Data Protector for Notebooks and Desktops 100 Pack from 1 year business hours (9x5) support to 1 year 24x7 support	HA107A1
Extension of HP Data Protector for Notebooks and Desktops 100 Pack from 1 year business hours (9x5) support to 3 years business hours support	HA106A3
Extension and upgrade of HP Data Protector for Notebooks and Desktops from 100 Pack 1 year business hours (9x5) support to 3 years 24x7 support	HA107A3

Product and Fixed Care Pack Services Upgrade and Extensions Cross Reference				
Part Number	Product Description	Part Numbers to Extend support to:		
		1 yr 24x7	3yr 9x5	3yr 24x7
BB621A	HP Data Protector for Notebooks & Desktops 10 Pack	UD499E	UD500E	UD501E
BB622A	HP Data Protector for Notebooks & Desktops 25 Pack	UD517E	UD518E	UD519E
BB623A	HP Data Protector for Notebooks & Desktops 100 Pack	UG962E	UG963E	UG964E

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