



bigVAULT Plus Product Data Sheet

bigVAULT Plus is a down-loadable client side backup software solution that works in conjunction with bigVAULT Premiere. bigVAULT users can backup and restore information to and from bigVAULT Premiere accounts including scheduled full, incremental and differential backups.

Overview

- Users can backup over any TCP/IP network: Internet, dial-up connection or corporate LAN.
- 32-bit Windows application with familiar explorer-like functionality
- Icon in System Tray allows user to quickly launch bigVAULT Plus Backup, perform a backup, set configuration options, view latest log file, and view On-line Help.
- Supports Dial-Up Networking
- Supports mapped network drives and Network Neighborhood
- "Patch Backup" is File Type independent and backs up only binary changes made within files.
- Encrypted with RSA and DES encryption. Domestic and International support.
- Control bigVAULT Plus Backup CPU usage to give active applications more processing priority.
- Backup multiple computers and volumes from one system.
- Log files show summary and detail information of all transactions.
- Conduct automated scheduled backups with included scheduling feature or third party scheduler
- Create filters to include your file types using easy wizards
- Program files need only 2MB's of disk space
- In corporate environment, supports automatic distribution and customization of software to individual desktop. You don't have to visit every desktop.
- Right-click mouse support, drag-and-drop and many more time saving features.

Encryption

- Files Encrypted with 512-bit key DES encryption.
- RSA encryption is used for all protocol communications and password encryption.
- Every file is encrypted with a unique DES session key.
- All RSA encrypted communications use dynamically created key pairs. Every transmission uses a different key, making it more difficult to break.
- Uses CryptoAPI to support domestic and international encryption.

The Restore Process

- Client selects file(s) to restore and a request is sent to the server.
- The bigVAULT Plus Backup Server processes the request and returns the selected file(s). Other systems require sending multiple files or deltas in order to restore a single file.
- Restored files can be written to their original location or can be saved into a different folder.
- Unlike a competitive product, the files are NEVER opened on the server. The server delivers the base file and the required patches in their original encrypted format. The file is rebuilt, to the requested restore date, on the client PC.

The Patch Backup

- The most efficient and reliable incremental backup. Often reduces files by 90% to 99% of their original size.
- Extracts changes within files by comparing current version against previous version of file.
- Only previous versions of active files are stored in a configurable compressed local disk cache. Typically requiring no more than 5 MB.



File Type	Original File Size (in bytes)	Change Description	Changed File Size (in bytes)	Patch Size (in bytes)	% Reduction patch/changed file
Windows BMP (8-bit)	307,514	Added text to center of image	308,278	2,615	99.15%
Windows BMP (8-bit)	308,276	Added text to background of image	308,280	7,864	97.45%
Photoshop File	515,473	Added new layer and added text to new layer	524,769	4,480	99.15%
Plain Text File	37,084	Added text to beginning, middle and end of file	39,123	1,285	96.72%
Intuit QuickBooks	1,265,664	Paid 4 bills and added 2 invoices	1,301,504	8,074	99.38%
Microsoft Word v7.0	431,616	Inserted clip art (35K); moved and added text	495,616	52,144	89.48%
Microsoft Word v7.0	431,616	Copied text from middle and pasted at end	448,512	13,598	90.60%
Microsoft Excel v7.0	108,544	Inserted new worksheet; created basic calculation and added 3D Bar-Graph	114,176	5,915	94.82%
Microsoft Access v2.0	1,802,240	Added 3 new records	1,802,240	5,700	99.68%