

Vrestore

The File Recovery Tool for SAM-FS



Now available! **Vrestore**, a web-based application you can use to recover any overwritten, deleted, or earlier available version of files managed in a SUN StorEdge SAM-FS environment with no requirement to directly use SAM-FS commands.

Easily installed, **Vrestore** allows any defined user or administrator to recover files lost from the file system but still available on archival media. With built-in security controls, the System Administrator can allow individual users to recover their own files directly.

With **Vrestore** you can:

- recover single files and entire directories
- recover earlier available versions of files to any directory point
- complete a partial/full filesystem recovery, and recover all files after a point in time
- display the location status (archived, online or offline) of the files
- stage to disk and release from disk single files or entire directories
- graphically display historical disk usage (online, offline, physical disk space)
- full internal VSN recycle mechanism
- manage users and their privileges to access/restore files

The screenshot shows the Vrestore web application interface. At the top, there is a navigation bar with 'License-Details' and 'Log Out · Help'. Below this is a header section with the Vrestore logo and version '1.28', and a license notice for 'IT4future.at'. The main content area is divided into several sections: 'User: [Administrator] - Server: [server]' and 'Last Update: 2005-01-19 15:59:30'. There are tabs for 'Default Area', 'Import Area', 'Status Area', and 'Admin Area'. Below these are links for 'Restore', 'Batch Restore', 'List, Stage & Release'. A search form is present with a timestamp field set to '2005-02-03 00:00:00' and a dropdown for 'Which copy should be used?' set to 'any'. Below the search form is a text input field for filename patterns and a 'search' button. A note states: 'ATTENTION: The file/directory search only examines the directory you are currently displaying'. The interface also shows the current node as 'server' and filesystem as 'samfs25 - /samfs25'. There are links to 'select directory [data/*ZUR ANSICHT] for restore' and 'remove directory [data/*ZUR ANSICHT] from share-list'. A table displays the search results:

Directory	Filename	Backup Timestamp
data	+ZUR ANSICHT_AUT.pdf	2005-02-02 20:10:00
+ZUR ANSICHT	+ZUR ANSICHT_Kern.pdf	2005-02-02 20:10:00
	Icon^0d	2005-02-02 20:10:00

At the bottom, there is a copyright notice: '© Copyright 2005 by Ing. Groissböck Markus, it4future.at All Rights Reserved' and contact information: 'www.it4future.at · support@it4future.at'.

Vrestore significantly reduces System Administrator workload while *empowering Users to better manage their data and files.*

More Technical Details:

- **Vrestore** is a web-based solution is written in PHP.
- All management/recovery data is stored in a AdoDB supported database.
- Currently tested databases are Oracle, MySQL and PostgreSQL.
- Features an Apache-based web server.
- One-time licensed for either "local" (single SAM-FS server) or "remote" (multiple enterprise-wide SAM-FS servers) system control.
- Communication between the host servers provided by "rsh/rlogin/rcp" or "ssh/scp".
- **Vrestore** system entry is secured with a User/Password challenge. The password check is configurable for **Vrestore's** own database, Solaris, NIS or LDAP.
- There are two levels of system users:
 - <user>: Can archive files and retrieve files in per user predefined directories
 - <admin>: Manages <user> access and can restore any file of any directory; and administrate **Vrestore**;
- All functions and interactions with the SAM-FS system(s) are through a combination of shell and php scripts.
- Direct access to the **Vrestore** Development team is available.

FAQs

Which programs have been tested to work with **Vrestore**?

- LSC/SUN StorEdge SAM-FS Release 3.5 and above
- Operating System: solaris 8 and above
- Database: MySQL, postgres, ORACLE8i and above
- Web Server: apache1 with php4 extension

How does **Vrestore** interact with SAM-FS?

- Originally, when files are managed by a SAM-FS server, copies of those files are sent to different media libraries. As an example, the files' copies #1 and #2 are written from Servers #1 and #2 onto media in different two libraries.
- After SAM-FS has written the files to the archive medium the content of each system's archiver log file has to be integrated into the central database of the **Vrestore**.
- Later, an Admin or User who wants to restore files or directories accesses the SAM-FS server running **Vrestore**.
- Depending on which server has the copies of the file of interest, the Admin/User sends a request to recover the files/directories from the archive media used by that server (which in this example could be either a Copy 1 or Copy 2 version).
- The requested files are then restored onto the node they were originally archived from, and if needed, the data can be accessed and transferred by network transfer protocols to the defined target server and target path.

For more information about **Vrestore** or to inquire about purchase arrangements, please contact "support@it4future.at"

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