

SAM QFS Tools Overview

- archive - archive files to tapes
- stage - retrieve files from the tape to disk cache
- sls - similar to “ls”, with more file migration information
- sfind - SAM-QFS “find”
- release - release the file from disk caches
- ssum - set file checksum attributes
- sdu - “du” replacement size of archived directory/file.

PATH: /opt/SUNWsamfs/bin

SAM QFS File Attributes

mode: The file's mode and permissions

links: the number of hard links to the file

owner: the owner of the file

group: the group to which the owner belongs.

length: the file's length in bytes

admin id: the file's admin ID number

inode: the file's inode number

damaged: the file is damaged.

offline: the file is offline.

archdone: indicates that the archiver has completed processing the file.

copy: Indicates the position of the file archive and the byte offset for each copy and the tape volume it is on.

access: the time the file was last accessed and modified.

changed: the time the file content and the file's attributes were last changed.

creation: the time the file was created and became resident in the file system.

```
tow21440.03m.Z:
mode: -rw-rw-r-- links: 1 owner: root group: root
length: 12585 admin id: 0 inode: 126626.1
offline; archdone;
copy 1: ----- Feb 22 2008 5a05b.ee84 li IV0256
copy 2: ----- Feb 22 2008 50233.4060 li IV0409
access: Jun 4 2008 modification: Jun 4 2003
changed: Apr 17 2008 attributes: Jan 23 2008
creation: Jan 23 2008 residence: Feb 2 12:44
```

Interfacing with the Datastore

Protocols & Tools

ssh - Secure Shell (PUTTY)
sftp - Secure File Transfer Protocol
scp - Secure Copy Protocol (WinSCP)
rsync - synchronizes files and directories
gsiftp - Grid FTP Protocol

PUTTY -

<http://www.chiark.greenend.org.uk/~sgtatham/putty/>

WinSCP - <http://winscp.net/>

GridFTP - <http://www.globus.org/toolkit/downloads/4.2.1/>

www.ivec.org

Contacting iVEC: **help@ivec.org**

Requesting an Account:

<http://www.ivec.org/facilities/cou>

Information on Data Store:

<http://www.ivec.org/DataStore>