

Windows Mounting Options in Brisque 5 Environment

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Windows Mounting Options in Brisque 5 Environment

This document describes the types of service (or protocols) that can be used to mount Brisque® volumes from Windows®, including Synapse® InSite, Spire, Prinergy®, and Synapse Director environments.

All known Brisque connectivity related issues can be found at: http://techplanet.creo.com/software_solutions/workflow_software/brisque/nav/v5_beta/connect.htm.

Note: The options are presented in their recommended priority order.

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1. Brisque 5 Client

This is the preferable method for mounting Brisque® 5 volumes and transferring files, assuming that a Brisque 5 client is installed on the given Microsoft® Windows® workstation. For client installation instructions, refer to the *Brisque 5.0 Software Installation Guide* posted at:
http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/docs/Brisque5/bsq5_swinstall.pdf

Benefits

- An inherent Brisque 5 client fully integrated with Windows.

Limitations

- Limited number of simultaneous connections based on Brisque platform type and license options.

2. Samba

Creo developed a customized version of Samba for Brisque 4.x, Brisque 5, and Brisque Serve. This section refers to the customized Creo version of Samba with HELIOS® support.

This Samba version is supported on all Brisque 4.x and Brisque Serve 4.x, and it is included in Brisque 5.

Note: Samba is a purchasable option for all Brisque 4.x versions.

In case of Creo Samba installation/activation on Brisque, all HELIOS resource files (.rsrc) will be updated.

For information on Samba in Creo environment, refer to the *Samba Installation Guide* posted at:
http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/docs/SAMBA_IG.pdf
and to the *Samba Issues in Brisque 5.0* document posted at:
http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/troubles/bsq5_41.htm

Note: The standard (non-Creo) Samba behaves differently and has other advantages/limitations. SMB is the native sharing protocol for Microsoft Windows operating systems, but it may be offered by other companies.

Benefits of SMB mount

- A Windows workstation supports file names that are more than 32 characters long.
- Support of special characters. Brisque supports special characters, including those that are supported by HELIOS, such as characters from foreign languages, and HELIOS handles the translation. The problem with computer names is due to limitations with NFS software and is not related to SMB.
- The fastest connection (UNIX® to UNIX connection)

Limitations of SMB mount

- The Windows workstation requires a static address that is manually added.
- Avoid using invalid characters when naming the Windows workstation. Use only 1 to 9, A to Z and _ (underscores).
- The Combined mountpoint name may not exceed 10 characters.
- The recommended syntax for the current Creo Samba implementation (Synapse Director environment) on Brisque is [`brisque04.brisque04.1.0`] (*mandatory for proper Samba operation*). The application checks this file upon each login (not reboot) and removes incorrect mounts that were changed/added by the user.
  If the above structure is changed by the user, for example—Synapse InSite environment, Brisque 5 will lose user-defined Samba shares after application login.
  The syntax `[brisque04.1.0]` in the **smb.conf** file which is acceptable in Synapse InSite, is unacceptable for Creo Samba and causes a share loss upon Brisque 5 login.
  In future Creo Samba versions, if the system detects during installation a non-Synapse Director environment, then the Creo Samba software does not change the **smb.conf** file.

Performance Rate

Average rate is up to 12 MB/sec with 100BT, and up to 50 MB/sec with GIGA environment.

3. NFS (Windows File Service)

3.1 SFU 3.5 (client)

The client is available from the official Creo SFU 3.5 package. Refer to the client installation instructions that are provided in the document posted at: http://techplanet.creo.com/software_solutions/networking_os/networking_support/content/docs/750-00264A-EN-RevA.pdf

Benefits

- A free Microsoft package supported by Creo.
- Easy Windows installation. UNIX 3.5 services are provided by Microsoft free of charge and performance is on par with other solutions.

Limitations

- Occasional performance issues in GIGA environment.
- The Windows workstation requires a static address that is manually added.
- *Should not be used to mount Brisque/Brisque Serve volumes that are published by Brisque Samba.* If Brisque Samba is used, any Windows workstations that are mounted to these published volumes should be done over the Samba (Windows) protocol.
- Refer to the following document posted as: http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/troubles/bsq5_6.htm.

Performance Rate

Average rate is up to 8 MB/sec with 100BT, and up to 30 MB/sec with GIGA environment.

3.2 Maestro Hummingbird (client)

Benefits

- There are not many since Samba and SFU are available.

Limitations

- The package is chargeable; it is not free of charge.
- *Should not be used to mount Brisque/Brisque Serve volumes that are published by Brisque Samba.* If Brisque Samba is used, any Windows workstations that are mounted to these published volumes should be done over the Samba (Windows) protocol.
- The Windows workstation requires a static address that is manually added.

Performance Rate

Average rate is up to 8 MB/sec with 100BT, and up to 30 MB/sec with GIGA environment.

4. FTP

Can be activated from the Windows command prompt (<cmd>), from the FTP client (shared software), or from browser window. For details, refer to:
http://techplanet.creo.com/software_solutions/workflow_software/brisque/content/troubles/bsq285.htm
and to:
http://techplanet.creo.com/software_solutions/networking_os/remote_support/content/reference/FAQs/FileTransfer/FAQ5.htm

Benefits of FTP Mount

- Part of the Windows Operating System.

Limitations of FTP Mount

- No known limitations

Performance Rate

Average rate is up to 12 MB/sec with 100BT, and up to 50 MB/sec with GIGA environment.

5. Platform Specific Notes

Creo Samba is the protocol of choice in a Brisque 4/Brisque 5 environment that is mixed with Windows workstations.

It is recommended to confine the environment to one connectivity method, and use it on all Windows workstations. Having more than one connectivity method, for example—Samba and SFU/Hummingbird between a Brisque and a Windows client can cause connectivity issues, such as the Windows workstation attempts to determine which protocol to use. In this case, you should use Samba and uninstall the NFS connectivity package from the Windows client.

Synapse Director

Samba on Brisque 5 is mandatory and works without any known issues.
Synapse Director requires the [`brisque4.brisque4.1.0`] syntax share name for the Brisque dataVolumes. When Samba is enabled on Brisque 5, a Samba share is automatically created/published via Brisque for all mounted volumes during startup.

Synapse InSite

Currently Brisque 5 requires a patch to prevent the Brisque 5 software from removing the manually created paths (smb.conf – by SWATT).
Synapse InSite *can* work with the Synapse Director style path naming. Synapse InSite does not use hard-coded paths to page elements. The **/etc/otherhosts** file must be configured correctly to ensure that pages registered from a Macintosh can be mapped properly into UNC paths. For example—[`brisque4.brisque4.1.0`] would be accessed from Windows as: `\\brisque4\brisque4.brisque4.1.0\`
If the path to the pages is changed *and* auto-page registration is used in Synapse InSite, then the auto-page registration settings must reflect the correct UNC path.

Problem: Pages registered with the old pathname will *not* be accessible after changing to the new path. Synapse InSite stores the registered path in the database. The **/home/cdesci/.profile** file must be changed to avoid changing the **smb.conf** file upon Brisque 5 login.

If we use Brisque Samba shares for Synapse InSite, Linux should be uninstalled or at least disabled on the Synapse InSite server.

Prinergy/Prinergy Evo

If Samba on Brisque 5 is active and publishes volumes for NFS mounting, other Windows workstations *SHOULD NOT* use Hummingbird/SFU clients to mount the same shares. Doing otherwise may cause additional accessibility issues.