

Outbound File Transfer Examples

Category: File Transfers

When the file transfer command (such as `scp`, `bbftp` or `bbscp`) is initiated on a NAS HECC host such as Columbia, Pleiades or Lou, the transfer does not need to go through SFE[1-4] or SUP. This is the fastest way to transfer files from/to your site if your localhost is configured to allow the transfer.

To simplify the instructions, the approaches will be described in terms of transfers to/from one of the Pleiades front-end node, `pfe20`, but they also apply to any of the other systems that are in the enclave (such as other Pleiades front-end or bridge nodes, Columbia or Lou). For each method described, two commands are provided. The first one is used when the user have identical username between his/her localhost and the NAS HECC systems. The second one is used when the usernames are different.

Logging into pfe20 and Using scp for the Outbound Transfer

To push files out of `pfe20`:

```
pfe20% scp foo your_localhost:  
pfe20% scp foo local_username@your_localhost:
```

To pull files into `pfe20`:

```
pfe20% scp your_localhost:foo .  
pfe20% scp local_username@your_localhost:foo .
```

Logging into pfe20 and Using bbftp for Outbound Transfer

If you find that using `scp` gives poor performance rates, we recommend using the application `bbftp`. This will require that the bbFTP server (`bbftpd`) is installed on your localhost.

To push files out of `pfe20`:

```
pfe20% bbftp -s -e 'setnbstream 8; put foo' your_localhost  
pfe20% bbftp -s -u local_username -e 'setnbstream 8; put foo' your_localhost
```

To pull files into `pfe20`:

```
pfe20% bbftp -s -e 'setnbstream 8; get foo' your_localhost  
pfe20% bbftp -s -u local_username -e 'setnbstream 8; get foo' your_localhost
```

See [bbftp](#) for more instructions.

Logging into pfe20 and Using bbscp for Outbound Transfer

bbSCP is a wrapper for bbFTP which provides scp-like syntax. Using this method for outbound transfer requires that the bbFTP server (**bbftpd**) is installed on your localhost.

To push files out of pfe20:

```
pfe20% bbscp foo your_localhost:  
pfe20% bbscp foo local_username@your_localhost:
```

To pull files into pfe20:

```
pfe20% bbscp your_localhost:foo .  
pfe20% bbscp local_username@your_localhost:foo .
```

See [bbscp](#) for more instructions.

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