Transferring files via SFTP

Linux

Using TMSS10SFTP

The TMSS10SFTP program is installed by default with the TapeTrack Command Line Programs for Linux.

This program provides more automation that the native `sftp` command and is able to automatically select the newest file in a directory.

This comes in handy when downloading files from Iron Mountain as they only provide time-stamped files requiring the user to know the name of the file to be downloaded in advance.

Documentation for TMSS10SFTP can be found here.

Using sshpass and sftp

The Linux `sftp` command does not provide an argument to specify a password. If you do not want to configure keys for the transfer, you can install the `sshpass` program.

```
[root@corp-01 ~]# yum install sshpass
Last metadata expiration check: 0:04:14 ago on Fri 19 Apr 2019 04:22:49 PM
MDT.
Dependencies resolved.
================================================================================
================================================================================
================================================================================
=====
 Package                                                  Arch
Version                                                     Repository
Size
================================================================================
================================================================================
================================================================================
=====
Installing:
 sshpass                                                  x86_64
1.06-4.fc27                                                 fedora
26 k

Transaction Summary
================================================================================
================================================================================
================================================================================
```

```
=====
Install  1 Package

Total download size: 26 k
Installed size: 38 k
Is this ok [y/N]: y
Downloading Packages:
sshpass-1.06-4.fc27.x86_64.rpm
1.4 MB/s |  26 kB     00:00
--------------------------------------------------------------------------------
--------------------------------------------------------------------------------
--------------------------------------------------------------------------------
-----
Total
196 kB/s |  26 kB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :
1/1
  Installing       : sshpass-1.06-4.fc27.x86_64
1/1
  Running scriptlet: sshpass-1.06-4.fc27.x86_64
1/1
  Verifying        : sshpass-1.06-4.fc27.x86_64
1/1

Installed:
  sshpass.x86_64 1.06-4.fc27

Complete!
```

Once `sshpass` is installed, you can call `sshpass`, pass the password and then pass the `sftp` command string as an argument.



To specify multiple command strings you can either pass a file fill of commands, or you can use the bash here-string syntax.

```
[root@corp-01 ~]# sshpass -p "password" sftp user@server.tapetrack.com <<<
"put drm.csv upload/drm.csv"
Connected to server.tapetrack.com.
sftp> put drm.csv upload/drm.csv
```

Windows

Windows users wanting to send files via SFTP can use the `TMSS10SFTP` command (installed as part of the TapeTrack Server Utilities package), or a third-party program such as WinSCP.

technote, files

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