

FUJITSU Cloud Service S5 Setup and Configure FTP connectivity with CentOS Servers

This guide details the steps required to install and configure basic FTP connectivity with a CentOS server on the FUJITSU Cloud Service S5.

Assumptions

- User Account, Certificate and connectivity to the FUJITSU Cloud Service S5
- Familiarity with the FUJITSU Cloud Service S5 Portal basic configuration and administration tasks
- Familiarity with the FUJITSU Cloud Service S5 Portal System Manager and Design Studio
- A CentOS Server has been created in a DMZ

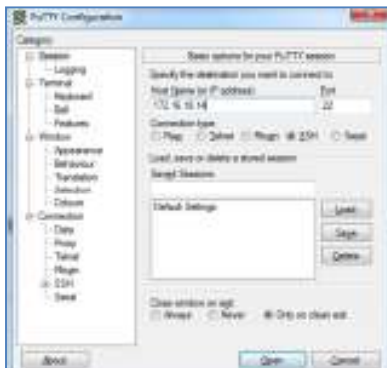
Firewall NAT Settings

1. Modify the Firewall NAT Settings to direct inbound connections to the CentOS Server



Installation of SSH Client Connectivity Software

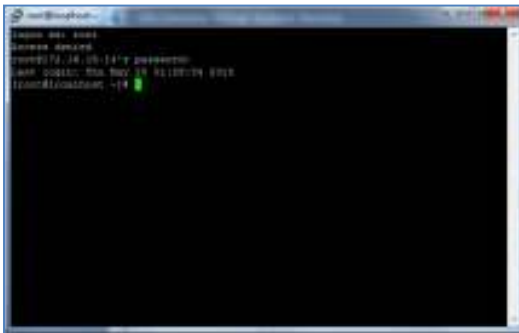
1. 3rd party SSH Client software is required to enable connectivity with the CentOS server. In this example software from PuTTY (<http://www.putty.org/>) will be utilised.
2. Download the PuTTY SSH Client software <http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>
3. When prompted, save to a location on your local client device e.g. C:WINDOWS
4. Start PuTTY and enter the Private IP Address of the CentOS server for the Host Name (or IP Address) field, click **Open**



5. Click Yes when you receive the Security Alert



6. Once connected, login as **root** using the password shown when highlighting the CentOS server within System Manager and clicking **Initial PW**

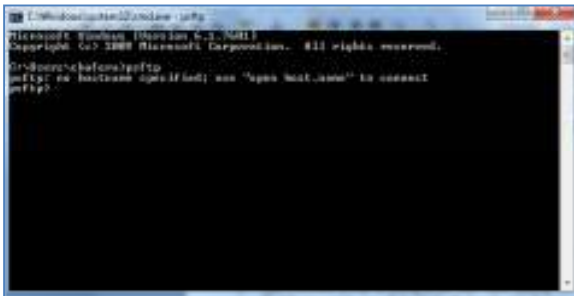


Installation of FTP File Transfer Software

1. 3rd party file transfer software is required to enable FTP connectivity with the CentOS server. In this example software from PuTTY (<http://www.putty.org/>) will be utilised.
2. Download the PuTTY PSFTP Client software <http://the.earth.li/~sgtatham/putty/latest/x86/psftp.exe>
3. When prompted, save to a location on your local client device e.g. C:WINDOWS

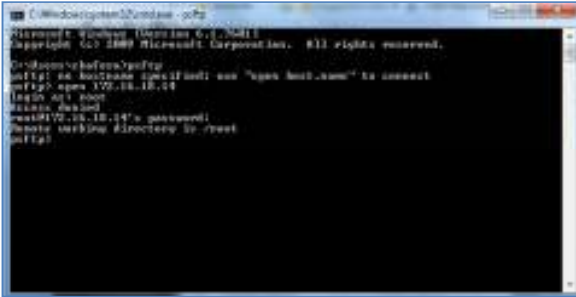
Performing FTP File Transfer

1. In this example a simple text file will be downloaded from the /tmp directory on the CentOS server VM to c:\temp directory on Windows.
2. Open a command prompt by clicking on the **Start** menu, selecting "Run, type **cmd** and click **OK**
3. Navigate to the directory containing psftp.exe and type, **psftp**

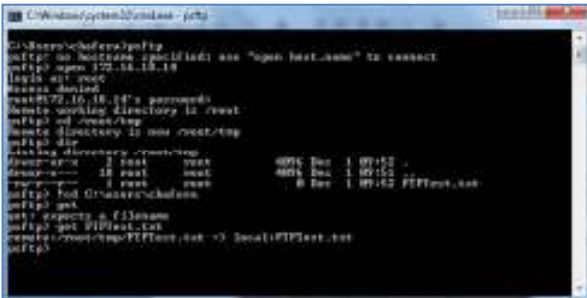


4. To open a remote connection type **open** followed by the CentOS server **Private IP address** and press **Enter**

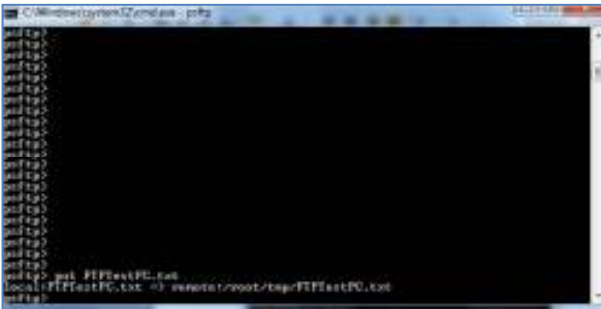
- 5. Login as **root** using the **Initial PW** determined earlier



- 6. Now that psftp is connected, it is possible to navigate both the local and remote file systems. The local file system in this case in Windows because the sftp session was started from a Windows command prompt. Likewise the remote system is the CentOS VM.
- 7. To change to the directory containing a test file on the CentOS server type **cd /root/tmp** and press **Enter**
- 8. To change local (PC) directory, type **lcd directory path** and press **Enter**
- 9. Type **get** followed by the name of the file to transfer from the CentOS server e.g. **FTPTest.txt** and press **Enter**



- 10. To copy a file called "FTPTest.txt" from the CentOS VM (e.g. from the "/tmp" directory in this example) to the local Windows computer, type **put FTPTestPC.txt**, followed by **Enter**



- 11. Type **Quit** to end the psftp session

The FTP Service is now installed on the local client and test file transfers to and from the CentOS Server have been completed.