

FUJITSU Cloud Service S5

How to connect to CentOS Virtual Machines using SSH

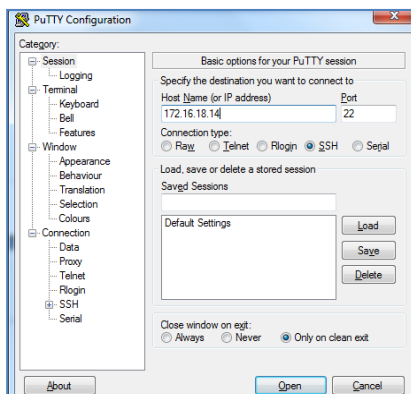
This guide details the steps required to install and configure basic secure shell (SSH) connectivity with a CentOS server on the FUJITSU Cloud Service S5 and how to use secure shell to copy remote files to and from the CentOS server.

Assumptions

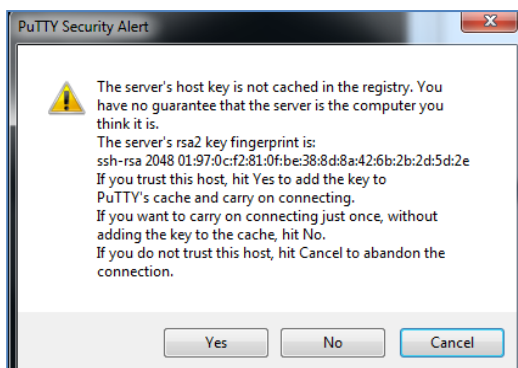
- User Account, Certificate and connectivity to the FUJITSU Cloud Service S5.
- Familiarity with the FUJITSU Cloud Service S5 Portal basic configuration and administration tasks
- Familiarity with the FUJITSU Cloud Service S5 Portal System Manager and Design Studio

Installation of SSH Client Connectivity Software

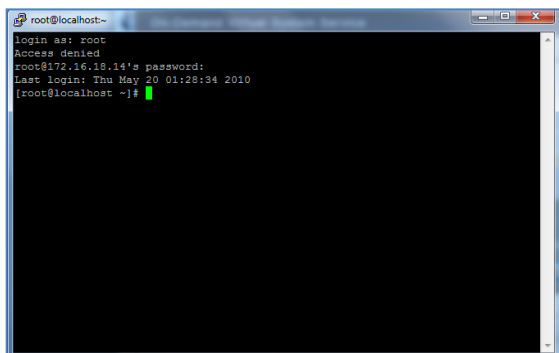
1. 3rd party SSH Client software is required to enable connectivity with the CentOS server Virtual Machine (VM). In this example software from PuTTY (<http://www.putty.org/>) will be utilised.
2. Download the PuTTY SSH Client software <http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>
3. When 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



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

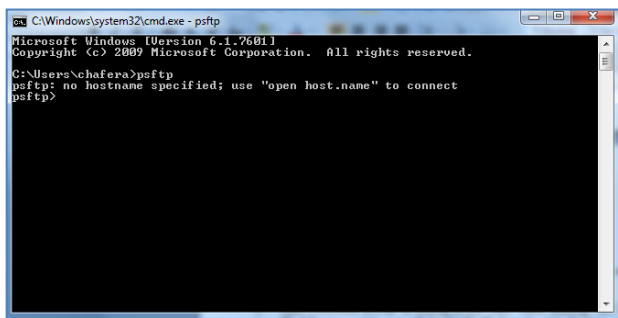


Installation of SSH File Transfer Software

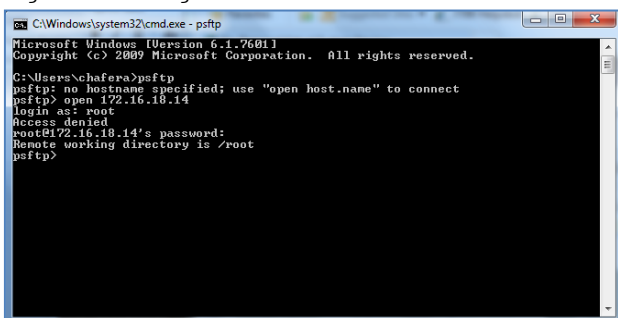
- 3rd party file transfer software is required to enable remote connectivity over SSH with the CentOS server. In this example software from PuTTY (<http://www.putty.org/>) will be utilised.
- Download the PuTTY PSFTP Client software <http://the.earth.li/~sgtatham/putty/latest/x86/psftp.exe>
This is not actually the FTP protocol but an implementation of an FTP style interface over SSH secure and remote copy operations.
- When prompted, save to a location on the file path of your local client device e.g. C:WINDOWS

Performing FTP File Transfer

- 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.
- Open a command prompt by clicking on the **Start** menu, selecting "Run, type **cmd** and click **OK**
- Navigate to the directory containing psftp.exe and type, **psftp**



- To open a remote connection type **open** followed by the CentOS server **Private IP address** and press **Enter**
- Login as root using the Initial PW determined earlier



- Now that psftp is connected, it is possible to navigate both the local and remote file systems. The local file system in this case is Windows because the sftp session was started from a Windows command prompt. Likewise the remote system is the CentOS VM.
- To change to the directory containing a test file on the CentOS server type **cd /tmp** and press **Enter**
- To change local (PC) directory, type **lcd temp** and press **Enter**

