

How to use WinSCP to transfer files to vCenter or ESXi Host

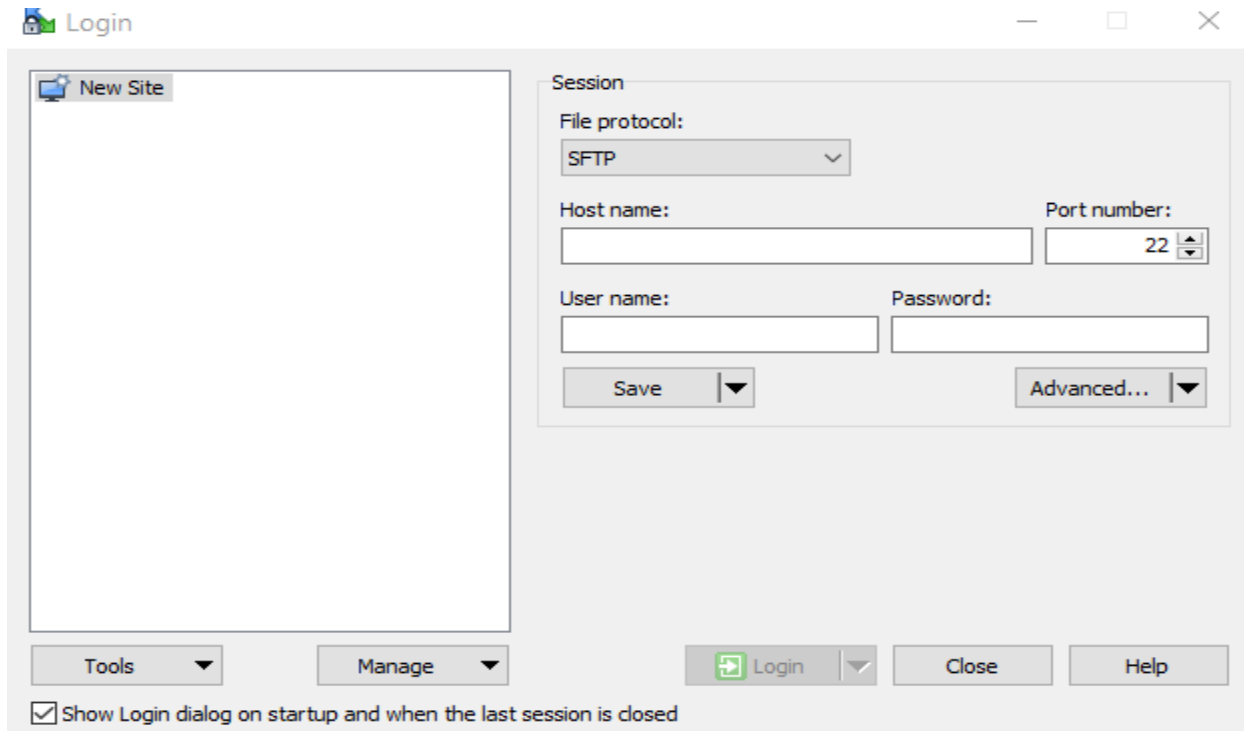
In this post, I am going to download WinSCP – Install on the workstation and then try to copy file to vCenter root folder.

You can download from here – it is Free...

<https://winscp.net/eng/downloads.php>

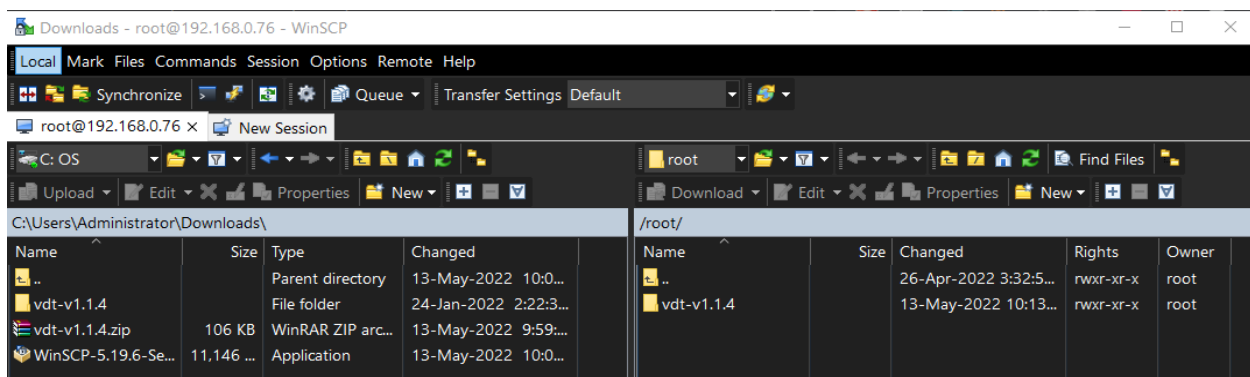
Run the setup file and accept all default setting.

When you open WinSCP this is what you will se



Enter vCenter Hostname or IP Address and Username and Password. Before you click Login – Click Advanced – Environment – SFTP – SFTP Server and type or copy this `shell /usr/libexec/sftp-server`

Click Login – You will be prompted to enter the password. Once connected you will see this screen. I did copy a folder from the left (workstation C drive) to right vCenter root folder (`vdt-v1.1.4`).



I wanted to test a new tool released by VMWare community called vSphere Diagnostic Tool which will check vCenter for any issue. You can download FREE tool from here -

<https://flings.vmware.com/vsphere-diagnostic-tool>

Open Putty – Enter Host Name or IP Address of vCenter – Click Open – Enter , Username and password

Change to Shell

And then executed these commands

```
root@VCPD [ ~ ]# cd vdt-v1.1.4/
root@VCPD [ ~/vdt-v1.1.4 ]# ls
cfg  formerly_pulse.txt  lib  README.md  scripts  templates  vdt.py
root@VCPD [ ~/vdt-v1.1.4 ]# chmod +x vdt.py
root@VCPD [ ~/vdt-v1.1.4 ]# ./vdt.py
```

```

  RUNNING PULSE CHECK
  ~~~~~
Today: Friday, May 13 10:17:26
Version: 1.1.4
Log Level: INFO

Provide password for administrator@vsphere.local:

  VCENTER BASIC INFO
  ~~~~~

BASIC:
  Current Time: 2022-05-13 10:17:35.416136
  vCenter Uptime: up 16 days
  vCenter Load Average: 0.14, 0.33, 0.33
  Number of CPUs: 2
  Total Memory: 11.72
  vCenter [REDACTED]
  vCenter [REDACTED]
  vCenter [REDACTED]
  Proxy Configured: "no"
  NTP Servers:
  vCenter Node Type: vCenter with Embedded PSC
  vCenter Version: 7.0.3.00500 - 19480866

DETAILS:
  vCenter SSO Domain: vsphere.local
  vCenter AD Domain: No DOMAIN
  Number of ESXi Hosts: 1
  Number of Virtual Machines: 13
  Number of Clusters: 1
  Disabled Plugins: None

[FAIL] The hostname and PNID do not match!
       Please see https://kb.vmware.com/s/article/84355 for more details.

  VC DNS CHECK
  ~~~~~

NOTE: If the script hangs here, it means none of the DNS servers are responding.
      If this is the case, You should CTRL+C and investigate.

Nameservers
[REDACTED]

Entries in /etc/hosts
127.0.0.1 [REDACTED] VCPD localhost
::1 VCPD.ramlan.ca VCPD localhost ipv6-localhost ipv6-loopback

Non-standard entries in /etc/hosts
[PASS] None

Basic Port Testing
[PASS] Port TCP 53 open to nameserver [REDACTED]
[PASS] Port TCP 53 open to nameserver [REDACTED]
```

```
vCenter PostgresDB Check

Top 10 Largest Tables:

  tablename      | size
-----+-----
vpx_event_arg_81 | 3352 kB
vpx_event_arg_80 | 3152 kB
vpx_event_arg_66 | 2640 kB
vpx_event_arg_79 | 2624 kB
vpx_event_arg_68 | 2600 kB
vpx_event_arg_67 | 2592 kB
vpx_event_arg_69 | 2528 kB
vpx_event_arg_71 | 2520 kB
vpx_event_arg_70 | 2496 kB
vpx_event_arg_78 | 2472 kB

Total Postgres Size:
  96M      /storage/db/vpostgres/
 148M      /storage/seat/vpostgres/
 206M      Interpreted by vPostgres

DISK CHECK

[PASS] DISK CAPACITY

[PASS] INODE USAGE

RESULT: [PASS]
Please see KB: https://kb.vmware.com/s/article/1003564

VC NTP CHECK

[FAIL] Running script: /root/vdt-vl.1.4/scripts/vc_ntp.sh timed out. Please re-run with --force.

vCenter Port Check

Checking ports: 443, 389, 2012, 2020
For port information, please see KB: https://kb.vmware.com/s/article/52963

[PASS] Port check for host [REDACTED]

Root Account Check

[INFO] Root password expires in 73 days

Please search for 'Change the Password of the Root User'
in vCenter documentation.

VC SERVICES CHECK

Printing only services that are stopped and should be started.
KB: https://kb.vmware.com/s/article/2109887

RESULT: [PASS]
```

As you can see from above this tool is giving out a lot of information about vCenter health status and other details. A good tool to keep in the tool box for troubleshooting vCenter and ESXi host.

Thanks

Ram

13th May 2022