

**Onyx for the Web Client
v1.0.0**

Version History

Date	Doc Ver	Author	Description
12 June 2015	1.0	Alan Renouf	Updated docs with new format, further detail and screen captures
12 June 2015	0.5	Atanas Atanasov	Initial draft docs

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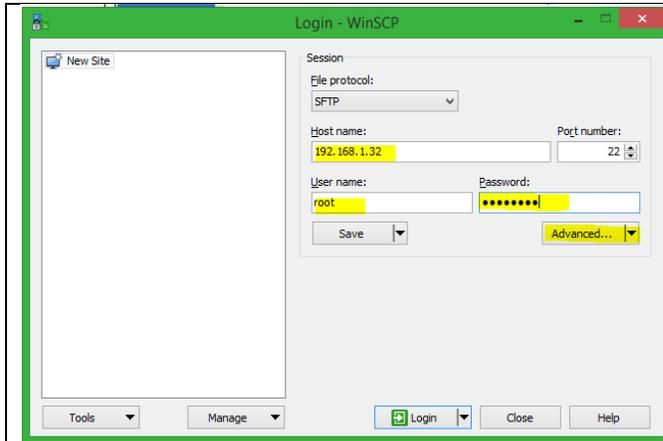
1. Overview

1.1 Description of solution

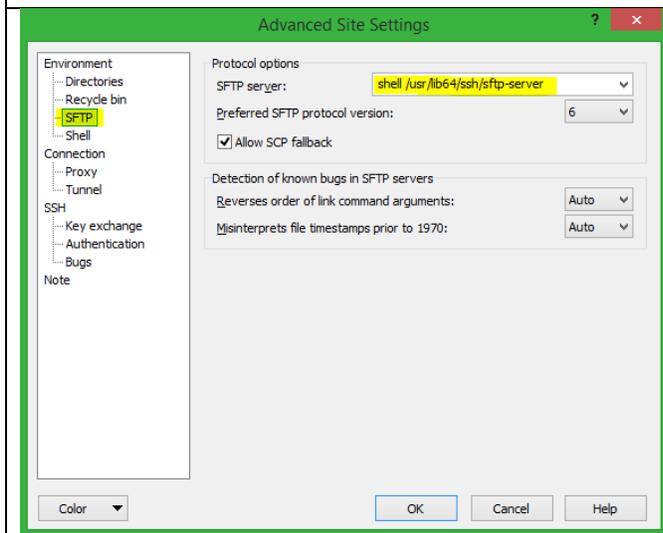
Onyx for the Web Client is a fling which enables Developers and System Admins to gain access to example PowerCLI.Net code for actions taken in the vSphere Web Client.

The Onyx for the Web Client fling provides the ability to record actions taken in the vSphere Web Client and turn these actions into PowerCLI.Net code helping Developers and System Administrators by providing sample code which shows how an action was taken and gives the basis for code to be re-used in better defined functions or for sample code to be used in search engines to find the API documentation and information on how to use this area of the vSphere API.

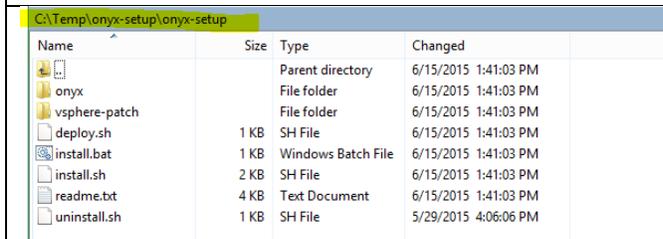
	<p>If not already enabled enable the Bash Shell and the SSH</p>
	<p>Both options should show as per the image on the left</p>
<p>Download WinSCP</p> <p>WinSCP 5.7.3</p> <p>Installation package (5.5 MiB; 532,459 downloads to date)</p> <p>Portable executables (4.7 MiB; 101,873 downloads to date)</p> <p>.NET assembly / COM library (4.6 MiB; 4,620 downloads to date)</p> <p>Source code (8.8 MiB; 2,430 downloads to date)</p> <p>[Release Notes, Checksums] [What's New] [Release Notifications]</p>	<p>If you are a Linux user please use WinSCP to copy the the contents of the zip file to the vCenter Appliance machine to /root/onyx-setup</p> <p>If you are using windows then download the portable executable for WinSCP from the following site: http://winscp.net/eng/download.php and continue with the following instructions</p>



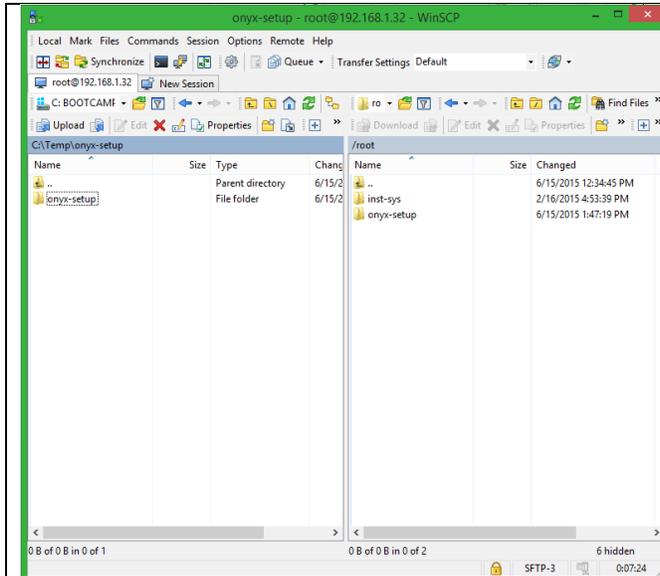
Enter the IP/Hostname of your VCSA in the Hostname field, enter the root username and password in the username and password box and then click the **Advanced** button.



Under the Advanced settings go to SFTP and set the SFTP server configuration for the connection to "shell /usr/lib64/ssh/sftp-server" then Click OK and then Login

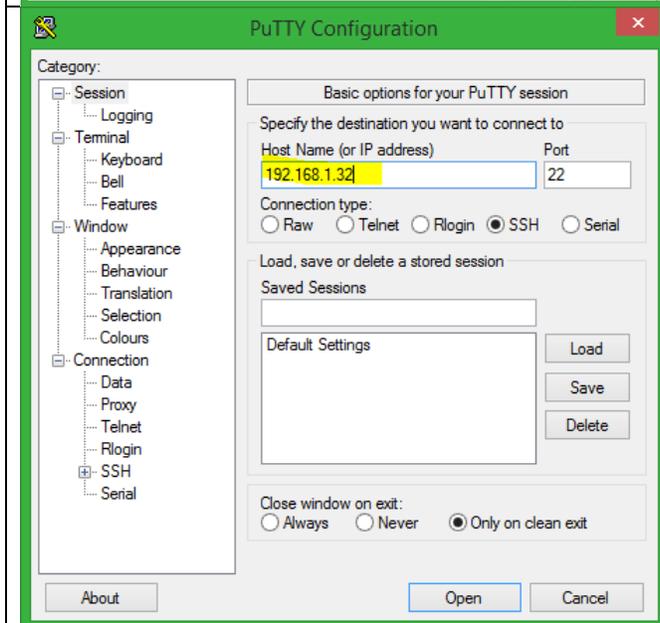


Go to the onyx-setup folder you extracted and ensure you get to the point where you can see the files and folders on the left.



Go up one folder level and copy the onyx-setup folder to the /root folder on the VCSA as shown in the screen to the left.

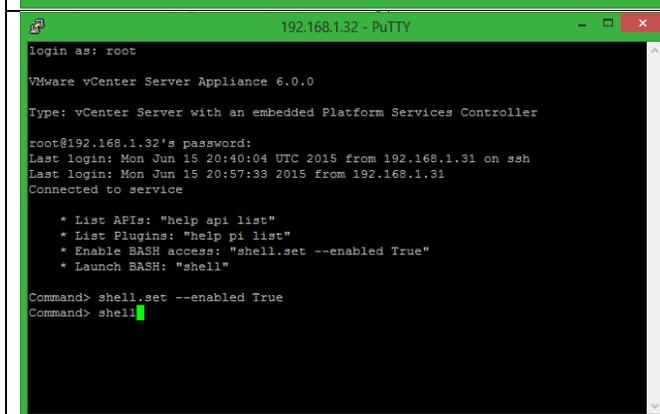
Once copied close WinSCP.



If you are a linux user open an ssh session to the VCSA and log into your VCSA, if you are a windows user download Putty.exe from the following site:

<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>

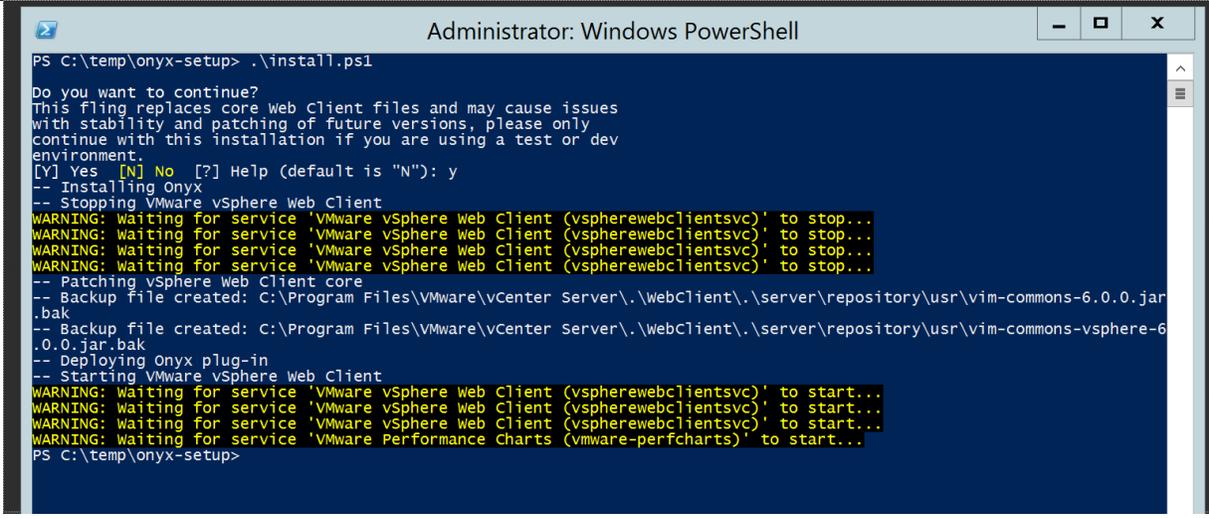
Enter the hostname for your VCSA and click the Open button



Log into the VCSA and once at the Appliance shell type:

```
shell.set --enabled True  
shell
```

This should drop you into the BASH shell.



```

Administrator: Windows PowerShell
PS C:\temp\onyx-setup> .\install.ps1
Do you want to continue?
This fling replaces core Web Client files and may cause issues
with stability and patching of future versions, please only
continue with this installation if you are using a test or dev
environment.
[Y] Yes [N] No [?] Help (default is "N"): y
-- Installing Onyx
-- Stopping VMware vSphere Web Client
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to stop...
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to stop...
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to stop...
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to stop...
-- Patching vSphere Web Client core
-- Backup file created: C:\Program Files\VMware\VCenter Server\.\WebClient\.\server\repository\usr\vim-commons-6.0.0.jar
.bak
-- Backup file created: C:\Program Files\VMware\VCenter Server\.\WebClient\.\server\repository\usr\vim-commons-vsphere-6
.0.0.jar.bak
-- Deploying Onyx plug-in
-- Starting VMware vSphere Web Client
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to start...
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to start...
WARNING: waiting for service 'VMware vSphere Web Client (vspherewebclientsvc)' to start...
WARNING: waiting for service 'VMware Performance Charts (vmware-perfcharts)' to start...
PS C:\temp\onyx-setup>

```

Once completed as above the fling is installed.

2.5 Manual Installation

Copy the extracted files to a folder on the VCSA or Windows Server and SSH/RDP to the server with administrative permissions

Shut down the vSphere Web Client service, using the command:
vCenter Appliance:
service-control --stop vsphere-client

vCenter on Windows:
stop-service "vspherewebclientsvc" -force

Backup the files so you can restore the vSphere Web Client in case of a problem or uninstall of Onyx:
vCenter Appliance:
/usr/lib/vmware-vmware-vmware-client/server/repository/usr/vim-commons-6.0.0.jar
/usr/lib/vmware-vmware-vmware-client/server/repository/usr/vim-commons-vsphere-6.0.0.jar

vCenter on Windows:
C:\Program Files\VMware\VCenter Server\WebClient\server\repository\usr\vim-commons-6.0.0.jar
C:\Program Files\VMware\VCenter Server\WebClient\server\repository\usr\vim-commons-vsphere-6.0.0.jar

Overwrite the above files with the files in the vsphere-patch folder and keep the original file permissions:
vCenter Appliance:
Change the mode to 0744 and the owner to the user "vsphere-client"

```

cp ./vsphere-patch/* /usr/lib/vmware-vmware-vmware-client/server/repository/usr/
chmod 0744 /usr/lib/vmware-vmware-vmware-client/server/repository/usr/vim-commons-6.0.0.jar
chmod vsphere-client /usr/lib/vmware-vmware-vmware-client/server/repository/usr/vim-commons-6.0.0.jar
chmod 0744 /usr/lib/vmware-vmware-vmware-client/server/repository/usr/vim-commons-vsphere-6.0.0.jar
chmod vsphere-client /usr/lib/vmware-vmware-vmware-client/server/repository/usr/vim-commons-vsphere-6.0.0.jar

```

vCenter on Windows:

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```
cp "./vsphere-patch/*" -destination "C:\Program Files\VMware\VMware
Server\WebClient\server\repository\usr\" -force
#Note: check that the user vspherewebclientsvc has read permissions for these files
```

Copy the onyx folder to the folder:

vCenter Appliance:

/usr/lib/vmware-vmware-vmware-client/plugin-packages/ and change the mode to 0744 for the files and 0755 for the directories and the owner of all to the user "vsphere-client"

```
cp -r ./onyx /usr/lib/vmware-vmware-vmware-client/plugin-packages/
chmod 0755 /usr/lib/vmware-vmware-vmware-client/plugin-packages/onyx
chmod 0755 /usr/lib/vmware-vmware-vmware-client/plugin-packages/onyx/plugins
chmod 0744 /usr/lib/vmware-vmware-vmware-client/plugin-packages/onyx/plugin-package.xml
chmod 0744 /usr/lib/vmware-vmware-vmware-client/plugin-packages/onyx/plugins/onyx-service.jar
chmod 0744 /usr/lib/vmware-vmware-vmware-client/plugin-packages/onyx/plugins/onyx-ui-war-1.0.0.war
chown -R vsphere-client /usr/lib/vmware-vmware-vmware-client/plugin-packages/onyx
```

vCenter on Windows:

```
cp "./onyx" -destination "C:\Program Files\VMware\VMware Server\WebClient\plugin-packages\" -Recurse
-Force
```

Start the vSphere Web Client service using the following command:

vCenter Appliance:

```
service-control --start vsphere-client
```

vCenter on Windows:

```
start-service "vspherewebclientsvc"
```

```
get-Service -dependentServices "vspherewebclientsvc" | start-service
```

3. Uninstalling

Connect to the machine running the Web Client:

vCenter Appliance: open ssh session to the vCenter Appliance machine

vCenter on Windows: open a PowerShell session on the Windows machine running vCenter

3.1 Scripted Uninstall

vCenter Appliance:

```
cd /root/onyx-setup
chmod +x ./uninstall.sh
./uninstall.sh
```

vCenter on Windows:

```
./uninstall.ps1
```

3.2 Manual uninstall

Shut down the vSphere Web Client service, using the command:

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