I have created a VirtualBox VM Image (Linux Mint) which is pre-setup for easy access to the Oracle Solution Center (OSC). Using this image, you can access both the Oracle Corporate Network and the OSC Network at the same time. The VirtualBox Guest (Linux VM) becomes just another window on the VirtualBox Host (your laptop). Files can be shared between the Host and the Guest via a Shared Filesystem and you can cut/paste both into and out of the Guest making usage much simpler.

**VirtualBox Guest Image:**

I don't have a good home for the image, so currently it is on the OSC Exadata we have setup for the DB Consolidation effort, it is in the following location:

root@exa14db01.us.osc.oracle.com # ls -ld /root/mlvm01.7z

-rw-rw-r-- 1 root root 3057529343 Feb 12 09:15 **/root/mlvm01.7z**

If anyone has a better location please let me know, I the file image is too large for our Beehive location.

The VM Setup Steps are listed further below and are mostly one-time actions.

However, the VirtualBox Guest Network Setting's will depend on where and how you will be connecting.

**VirtualBox Guest Network Setting's:**

The following document provides notes on setting up the VM's Network to get into the OSC VPN:

[VirtualBox-VM-Network-OSC.docx](https://stbeehive.oracle.com/content/dav/st/North%20American%20Infrastructure%20&%20Architecture%20Work-Group/Documents/VirtualBox%20Image/VirtualBox-VM-Network-OSC.docx)

**VM Setup Steps:**

1. Download the mlvm01.7z file, and unzip it to C:\VirtualBox (or whatever location you want it)

The file is on an OSC host, so you need to get onto the OSC VPN to get it.

* Install PuTTY on your laptop from <https://mydesktop.oraclecorp.com>
* Use Cisco AnyConnect to connect to the OSC VPN.  If connected to the Corp. VPN disconnect

OSC VPN Address: sca-osc-vpn.oraclevpn.com

OSC VPN Group: OSC-VPN

Credentials: Use credentials provided by the OSC

* Use PuTTY’s SCP (pscp) to copy the file to your laptop

Open Command Prompt Window

mkdir C:\VirtualBox

set PATH=%PATH%;C:\Program Files (x86)\PuTTY

pscp root@exa14db01.us.osc.oracle.com:mlvm01.7z C:\VirtualBox

1. Create a directory for the Shared Folder on the Windows laptop: C:\share
2. Open VirtualBox and go to "Machine" -> "Add" then navigate into the mlvm01 folder and select the mlvm01.vbox file.
3. Using the section above, VirtualBox Guest Network Setting's, update the network settings for this Guest Machine.
4. Start the VM and log in using: oracle/oracle
5. Once logged in you will see the osc-vpn and osc-hosts icons on the desktop.
6. Double click on osc-vpn and select "Run", it should open a window that prompts for the "Username:" and then "Password:" this would be the OCS VPN login and password. Once the password is entered you should see the banner message, this window must remain open to keep the VPN running.
7. Once you have the VPN connection up, you can open terminals and use ssh and scp as you would expect to the OSC hosts, for example:

ssh oracle@exa14db01vm01

1. You can also use the pre-created connections listed in the osc-hosts folder on the Desktop. Just open the folder and double click on the user\_host icon then select "Run" and you will get a new terminal window logged in as the user on the host.

**Usage Notes:**

Cut and Paste

Cut and Paste is enabled both ways in the VM, so into the VM and out of the VM, but it does always work as expected.

With gnome-terminal you must highlight the text then use Shift+Ctrl+C to copy highlighted text into the clipboard so that you can paste it in the host OS, so it’s an extra step.

The konsole (KDE) terminal program has some options that make cut and paste work without the extra Shift+Ctrl+C, but konsole has its own set of issues so your millage may vary.

There are also a couple of clipboard managers that can help if you want to try them, Parcellite or Clipit, but again they also have their own issues, so your millage may vary.

I would recommend using konsole, as that has worked reliably for me.

File Upload/Download

The VM is setup to have a shared folder that the host OS owns but that the VM can read and write. If you run a "df" command from the VM you should also see a mountpoint "/share" that should be the C:\share from your Windows laptop which you can use to move files around.

Linux Mint Package Management:

Mint is Debian based so apt is the tool to use to install/remove packages and/or upgrade the OS packages. You must be disconnected from the OSC VPN to perform package management:

sudo apt update

sudo apt upgrade

If you have questions let me know.

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