

# **Oracle Solaris Remote Lab FAQ**

## **Accessing the Oracle Solaris Remote Lab (OSRL)**

### **How do I access the OSRL?**

Accessing the OSRL is a two step process: you must first login to the OSRL web site and then you can access Virtual Machines you have created in the OSRL and login to them.

Your Oracle Single Sign On credentials are used to login to the OSRL web site (<http://osrl.oracle.com>). These are the same credentials you use to access the OPN web site. The user name is usually your company email address. The first time you login to the OSRL site you will be asked to register a username and password. This username and password will be used to authenticate yourself when starting a terminal session or a desktop on any of the Virtual Machines you create in the OSRL. The password is also used as the root password for Virtual Machines you create in the OSRL.

Once you have logged in to the OSRL, registered a username and password and created at least one VM you can access the VM by creating a terminal or desktop from the OSRL user interface.

### **Will I be able to access other web sites from my home computer while working with the OSRL?**

Yes. The OSRL does not have the limitations associated with some VPN based connections.

## **Registration and Login issues**

### **I tried to register a user using my email address as the username and it was not allowed. Why?**

The usernames registered in the lab must meet the Unix standard and cannot include special characters.

### **I registered a user without any special character and I was not able to login. Why?**

The username is the only place in the OSRL where there is a potential for collision between Partners. The username you created was a common word and another Partner had already created a user with that name.

Please create a username that is more unique to you or your company.

# Terminal and Desk top issues

## **I'm only able to start a single desktop on a single VM. Why?**

This is a hard limitation in Secure Global Desktop (SGD). The limit will remain one. A desktop is rather intrusive dominating the user's entire screen. Working with multiple desktops would be extremely cumbersome.

## **When I start up a desktop I see a popup with the warning:**

The panel encountered a problem while loading "OAFIID:GNOME\_MixerApplet". Do you want to delete the applet from your configuration?

What do I do?

Select "Don't Delete"

## **Once a desktop is open it covers my entire screen. How do I exit the desktop?**

There are actually several ways to exit a desktop: Scroll slowly across the top of your screen and a one line menu will pull down with minimize (⏏) and exit (X) selectors.

The Windows ctrl-alt-del sequence will bring up a control panel that allows you to minimize or delete the desktop process.

## **I signed out of my OSRL session but the xterm and desktop I started on two of my VMs are still operational. Shouldn't they terminate when I sign out of the lab?**

No, xterm and desktop sessions are not terminated when the OSRL session is terminated.

Think of the OSRL user interface as being a provisioning environment. The Partner uses it to create the VMs they will use for their testing and those virtual machines are linked using a private network. Just as dedicated hardware continues to run whether it is attended or not, the VMs in the OSRL environment continue to run once they are provisioned until the Partner explicitly Halts them or deletes them from their environment. xterm and desktops sessions running on the VMs also continue to function once the OSRL UI session is terminated.

If the Partner really wants to terminate their xterm and desktop sessions they should exit from them either before or after ending their OSRL UI session.

If the Partner wants to stop their VMs from running while 'unattended' they should 'halt' the VM. When the Partner wants to continue their work they will need to reboot the VM from their dashboard in the OSRL UI.

# Virtual Machine Issues

## **I'm able to create a number of VMs but then I suddenly can not create more. Why?**

Users are currently limited to five VMs in any combination of x86 or Sparc. The number of VMs the Partner currently has open is displayed in the Status section of their Dashboard. Five seems to be a reasonably large number for most testing. If anyone identifies a need for more than five active VMs during testing we will consider expanding the limit.

## **How do I become root of the VMs I have created?**

Initially the root password is set to a random character string stored in /rootPassword on each of the Virtual Machines the user creates. Note that the root password is different on each of your VMs. After using "su" to become root you are free to change the root password using "passwd root".

## **There are several packages I think are rather fundamental that are not part of the software stack in the basic Solaris template booted in my VMs. Are there any plans to expand the basic templates?**

We will consider making additions to the packages loaded in the default template based on the universal nature of the requested packages.

In the meantime you can easily install additional packages using IPS. See the User Guide for details.

## **How do I accomplish X11 forwarding on OSRL?**

I need to change my default OSRL login user to another user (e.g., "oracle"). to run the interactive Oracle DB installation (e.g, ./runInstaller).

In order to get the ./runInstaller gui to work you need to do the following: 1. Terminal window: From a zone/VM other than the one you are installing Oracle DB do the following: ssh -X oracle@hostname {where hostname is the IP address of the target/database machine} From the this new session on the "hostname" machine run "./runInstaller".

2. Gnome Desktop: From within the OSRL gnome Desktop (where you want to install the Oracle DB) do the following: ssh -X oracle@localhost and then run "./runInstaller".

# File Upload / Download Issues

## **How do I transfer files from/to my local system to/from my Virtual Machines in the OSRL?**

File transfers between the Partner's client systems and Virtual Machines in the OSRL are accomplished using file upload and download mechanisms implemented in the User Interface. The Partner's dashboard includes a set of actions that can be performed on individual Virtual Machines and two that

can be performed independently of the VMs, an up arrow for uploading files to the Partner's environment and a down arrow for retrieving files from the Partner's environment.

The upload and download of files always transfers files between the Partner's client machine and their private NFS file system in the OSRL. Uploaded files are transferred to the /data directory and NFS mounted on all of the Partner's VMs. Downloaded files are taken from the /data directory and transferred to the Partner's client system.

The NFS server is independent of the VMs in the Partner's private configuration. Therefore files can be transferred without identifying a VM to participate in the transfer. In fact the Partner can transfer his installation and test files to his /data directory without having created a single VM. Similarly output files saved in /data can be retrieved after the Partner has released all of the VMs and before terminating the OSRL account.

See the User Guide for additional details

## **How do I identify files I want transferred to my /data directory?**

When the Partner left clicks on the up arrow in the actions section of the dashboard a popup box requests the Partner for his credentials in the OSRL. The credentials required are the user name and password the Partner created during the process of registering for the lab the first time they accessed osrl.oracle.com. The Username is pre-populated with the username and cannot be changed. When the Partner left clicks on the File: area to specify the file to upload a browser pops up to allow the Partner to select the file they wish to transfer.

## **How do I identify files to be downloaded from /data to my client?**

When the Partner left clicks on the down arrow in the actions area of the dashboard a dialog box pops up that is similar to the upload dialog box. The Partner enters the password they have been using in the OSRL and left clicks on the File box. In this case the Partner simply enters the name of the file to be downloaded from /data.

## **Where are files I have downloaded placed on my client system?**

The placement of files on the client system is dependent on the type of client.

On a Windows system the files are placed in the user's Download directory, e.g. C:\Documents and Settings\username\My Documents\Downloads.

On a Mac the files are placed in the user's Download directory, e.g. /Users/username/Downloads.