Oracle Database Appliance Bare Metal Restore aka OS Re-Imaging

Introduction

OS imaging is the process to re-install the Operating System on the Oracle Database Appliance to restore after catastrophic failure. This document provides step by step commands to re-image the Database Appliance. Re-Imaging formats the local disk drives so after imaging is completed, End User image needs to be re-deployed. Further restore from backup may be necessary. This document only covers the steps to complete OS imaging. Deployment procedures are covered in My Oracle Support Document Note:1373617.1.

Oracle Database Appliance ships with Oracle Enterprise Linux and Appliance manager pre-installed. The steps outlined below can be followed to recover from catastrophic failure

Warning

Oracle Database Appliance Bare Metal Restore (OS Re-Imaging) will format the local disks and therefore will result in loss of data previously stored on the local disks on the node where the procedure is executed.

Pre-requisites

Oracle Database Appliance ships with various components like ILOM to help manage the system remotely. Customers may choose to use ILOM especially if the Appliance is hosted remotely. The rest of the document outlines the steps to reimage the Operating System using ILOM however ILOM is not required. Customer could choose to use PXE or other methods.

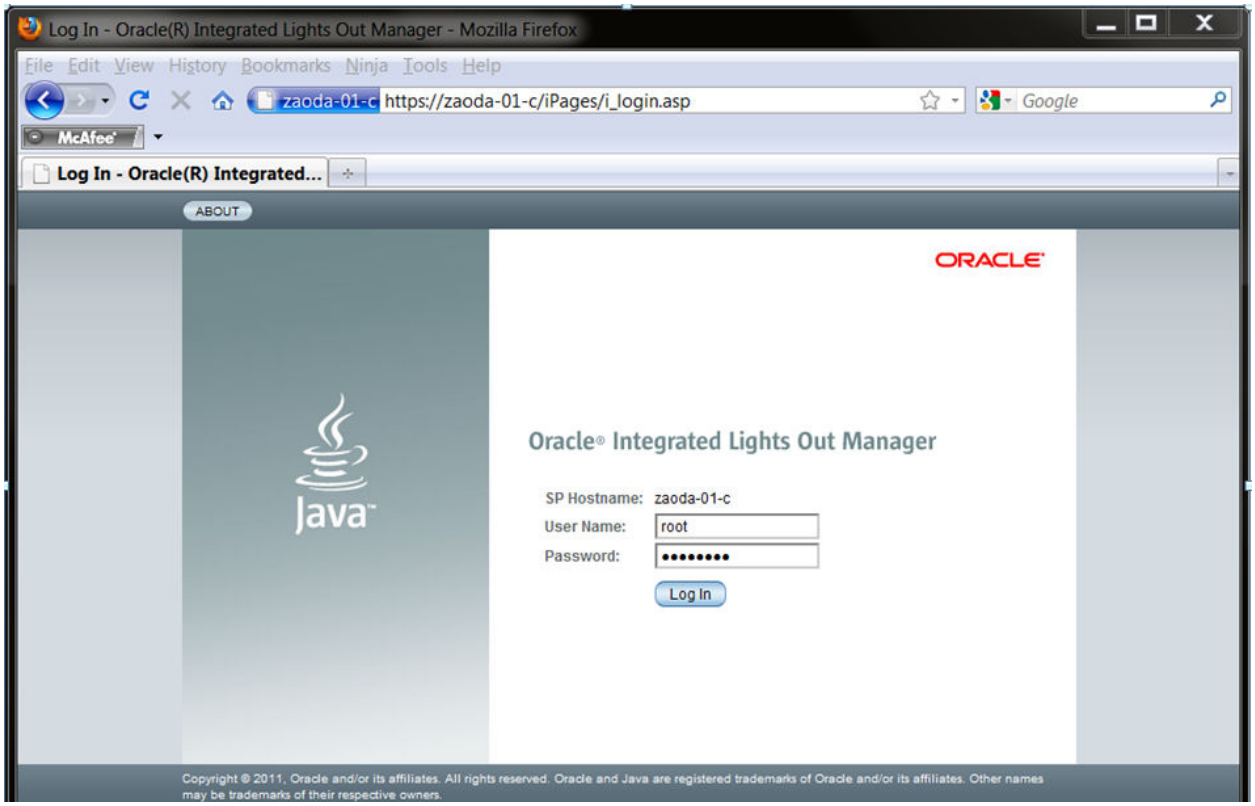
Download the OS image

- Log on to My Oracle Support and download patch 12999313
- Download the current Oracle Database Appliance version end-user bundle (for example, p12978712_21030_Linux-x86-64).
- The file can be unzipped on a Linux or Windows environment using appropriate commands to unzip the file. For example, on Linux use:

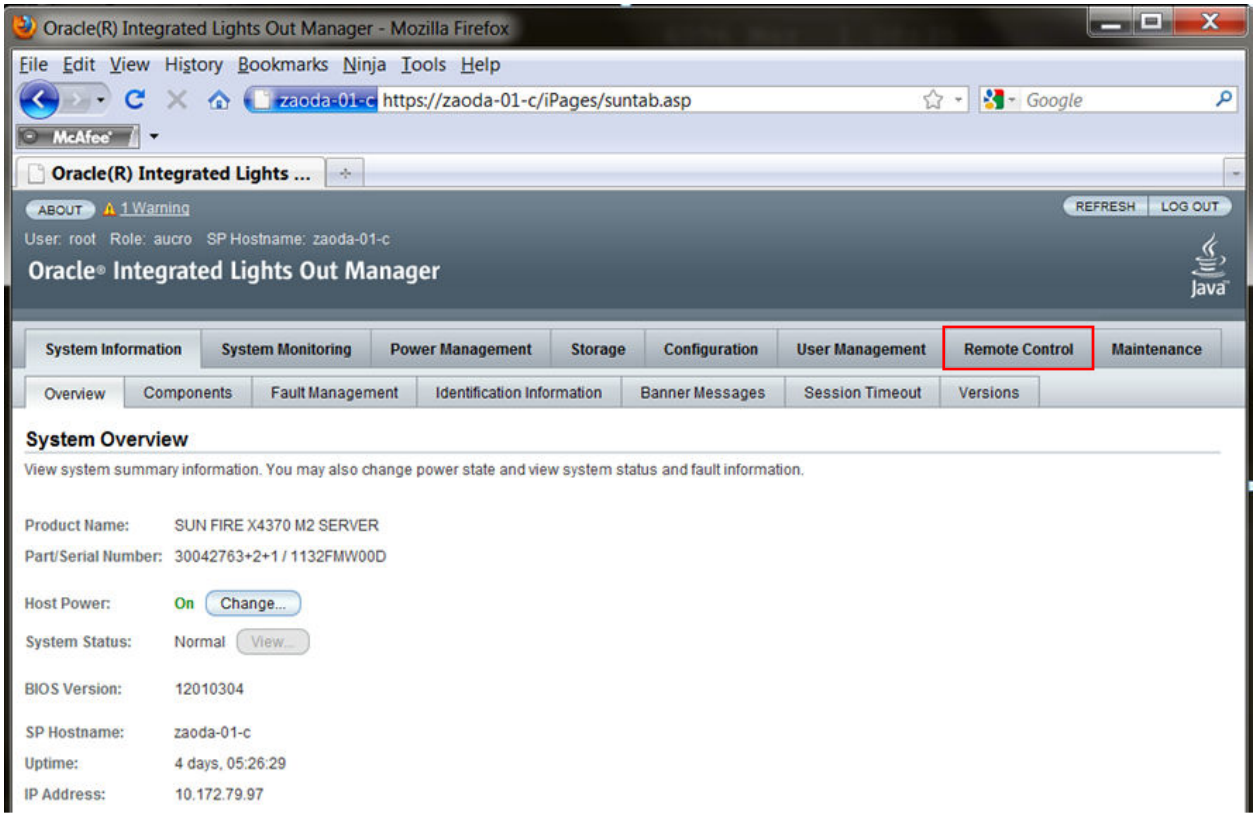
```
# unzip p12978712_21030_Linux-x86-64
```

Initiate Browser to connect to ILOM

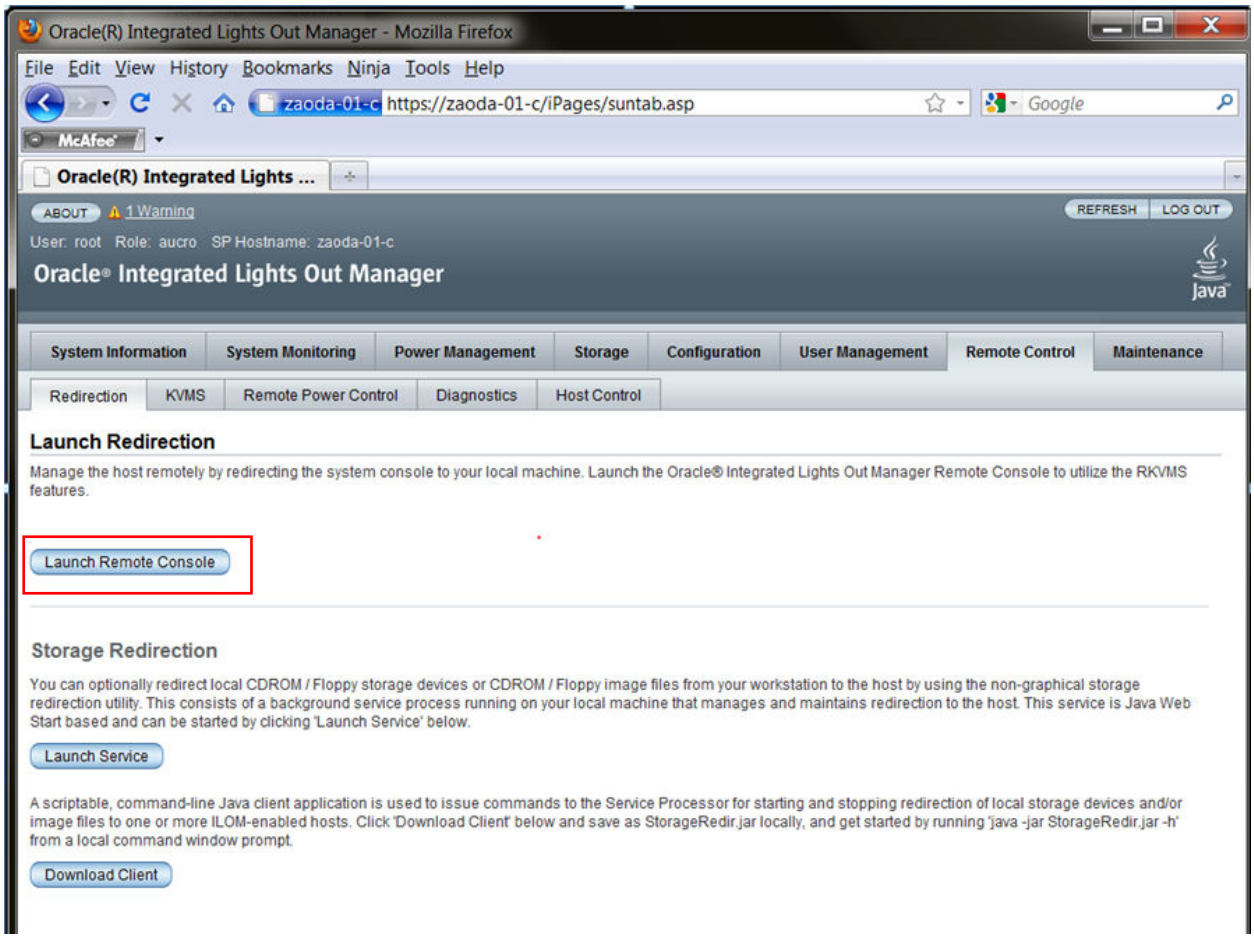
1.) Connect to ILOM from the Browser and login as root. Failure of the OS does not affect ILOM configuration.



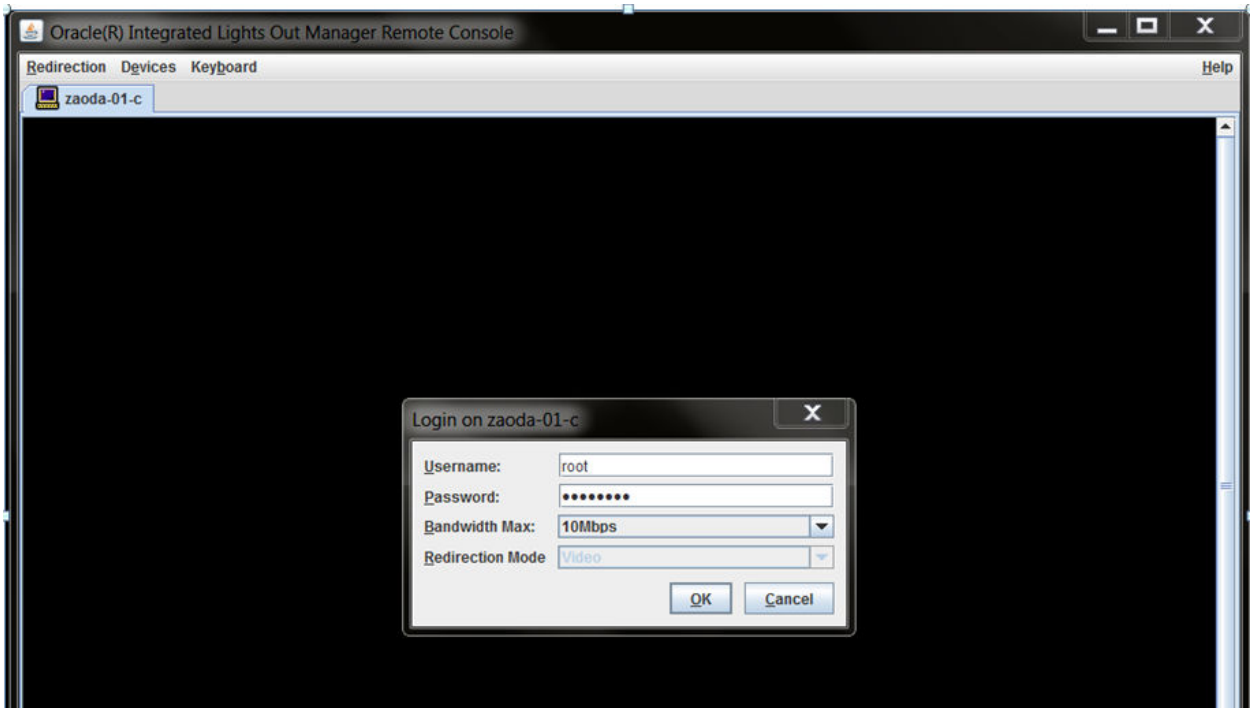
2.) On Successful login, Browser would redirect to the Oracle Integrated Lights out Manager home page. Click on “Remote Control” tab to continue.

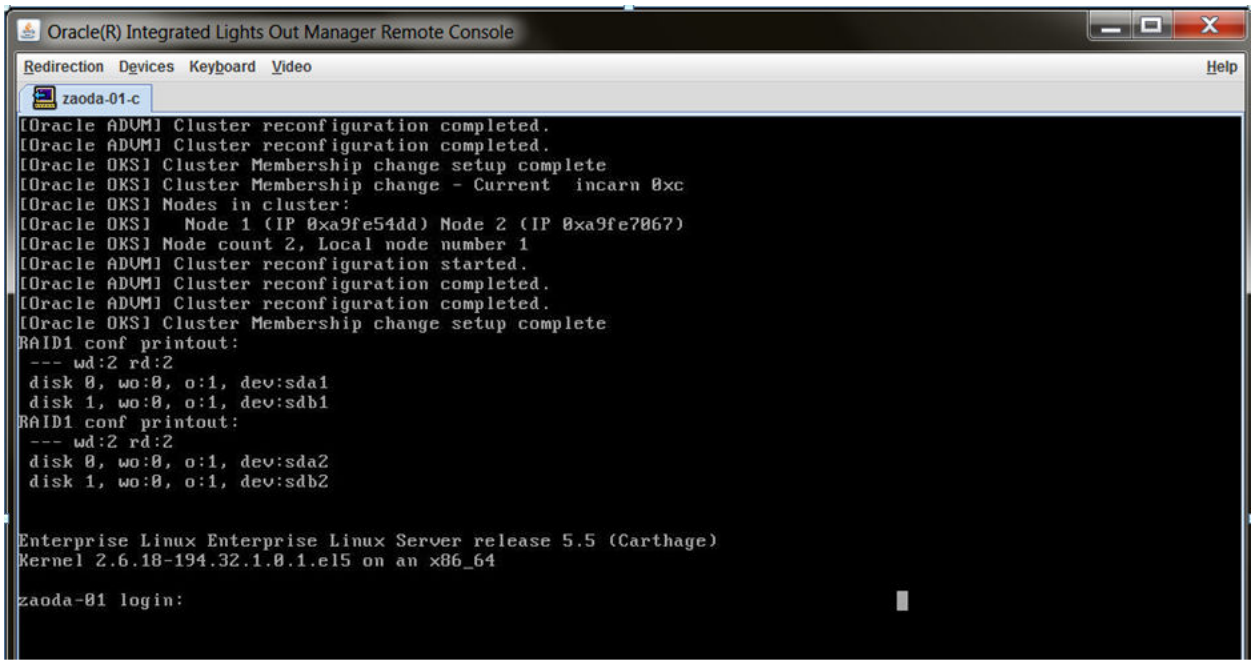


3.) In the “Remote Control Tab”, Click on Launch Remote Control as shown below

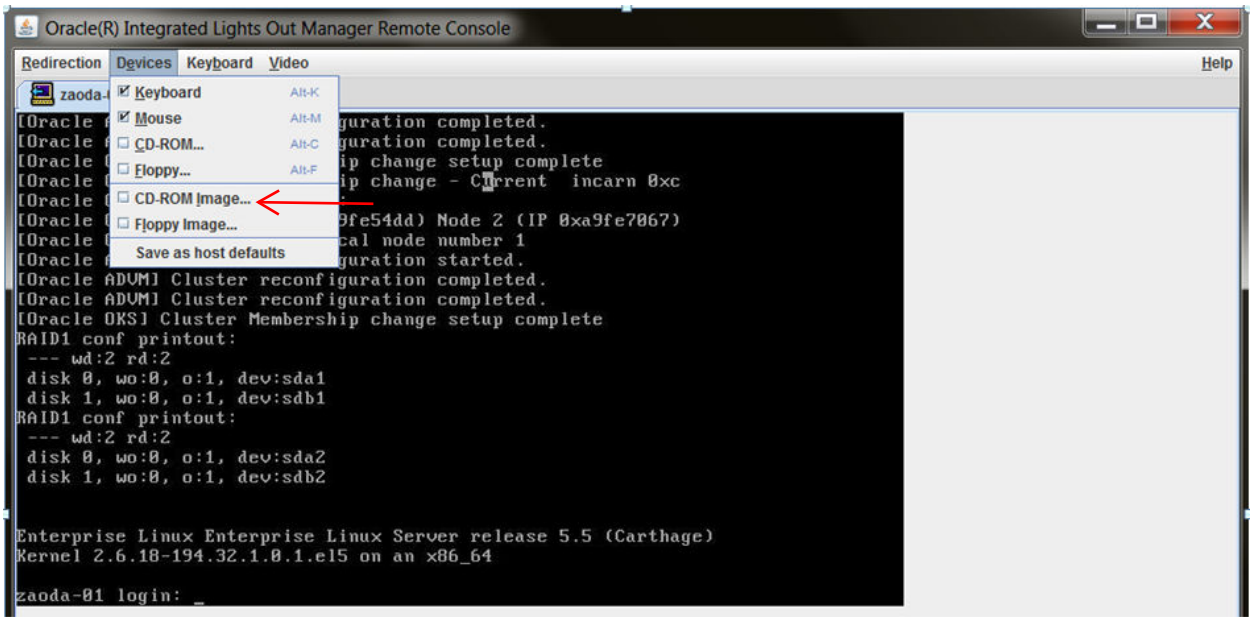


4.) Depending on the state of the system, there will be some message on the console. Click on Devices as highlighted below.



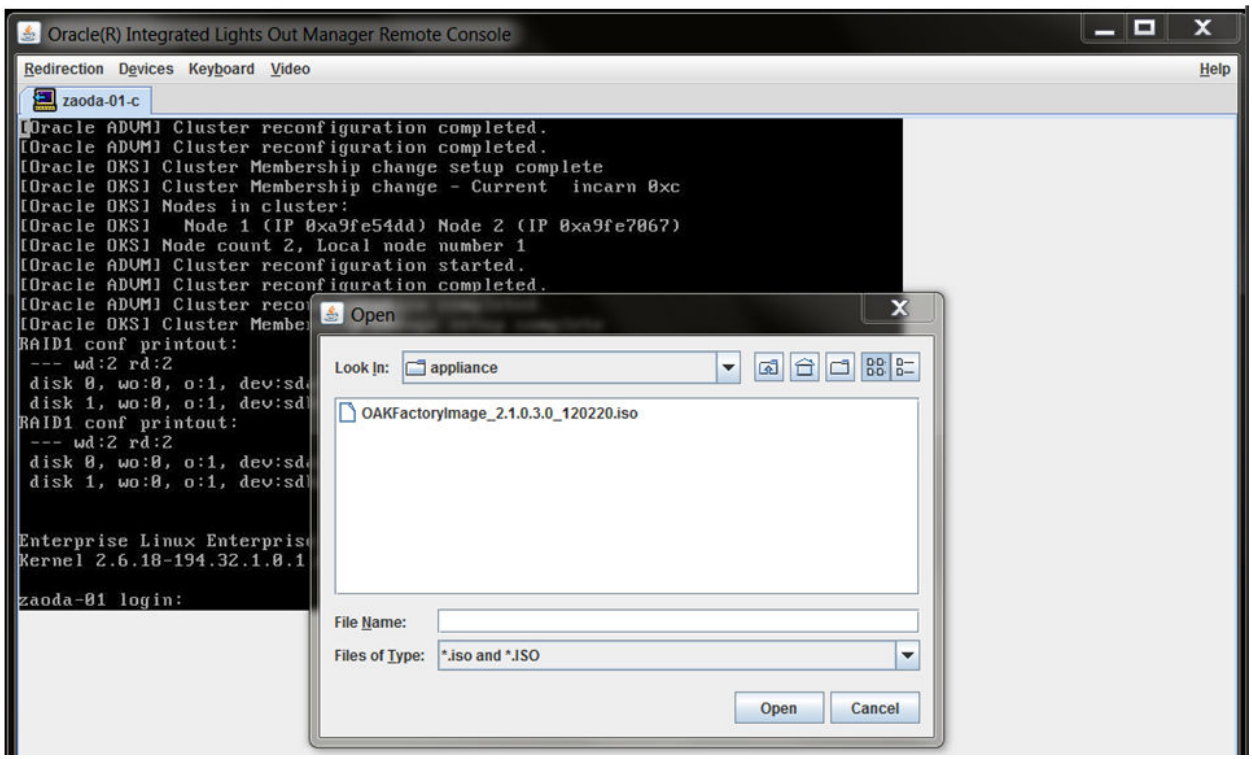


5.) In the Devices Menu, Choose CD-ROM Image as shown below

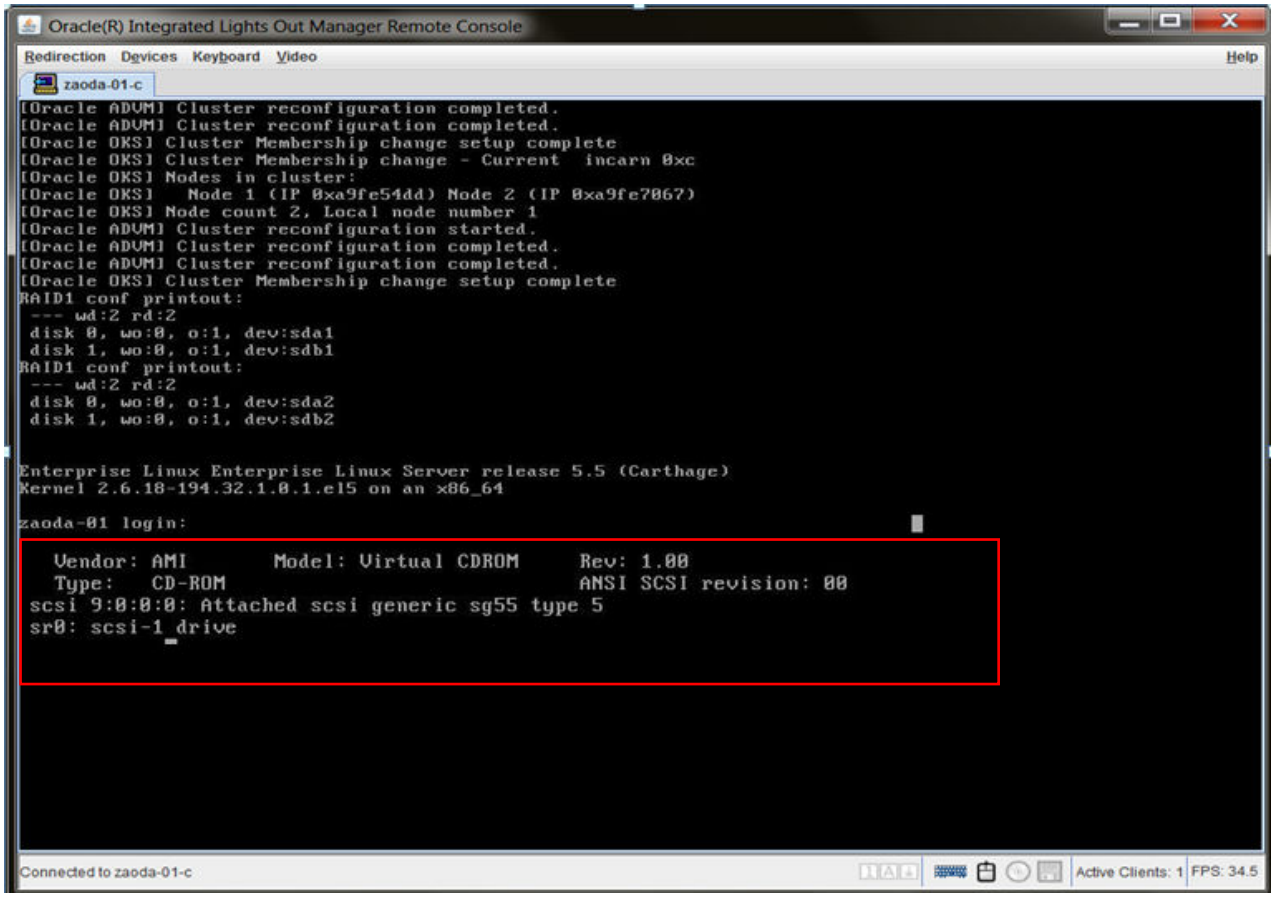


6.) This will open a file browser on the local client from which the browser was invoked. Browse to the location where the ISO image was unzipped.

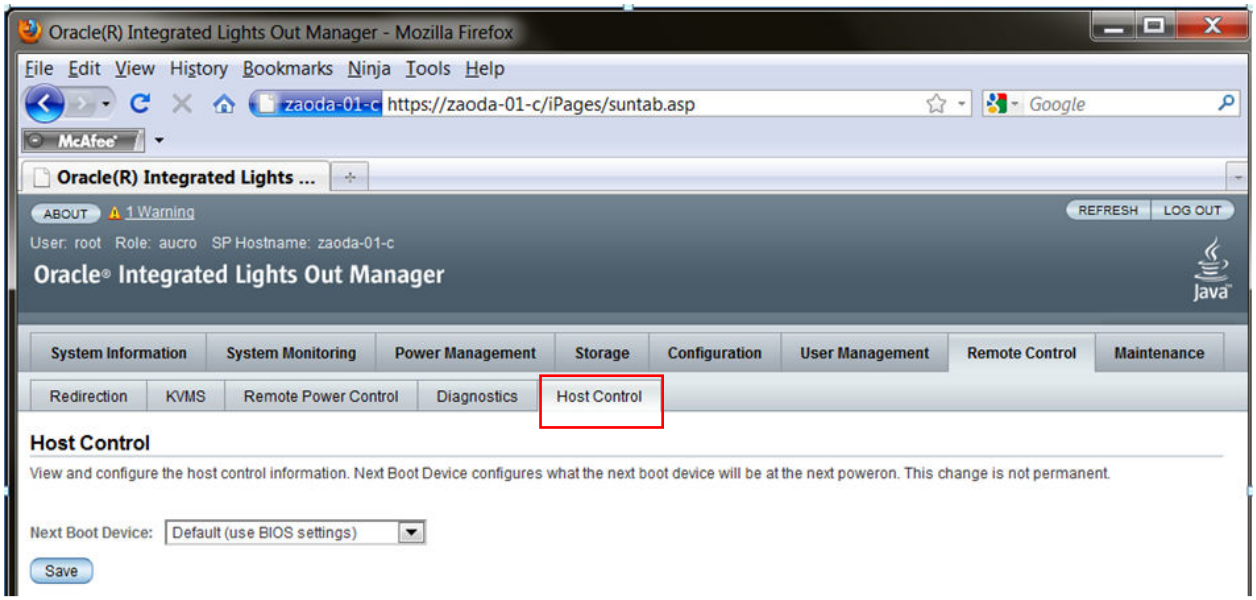
Please Note that the file name of the ISO could be different from what is shown below.



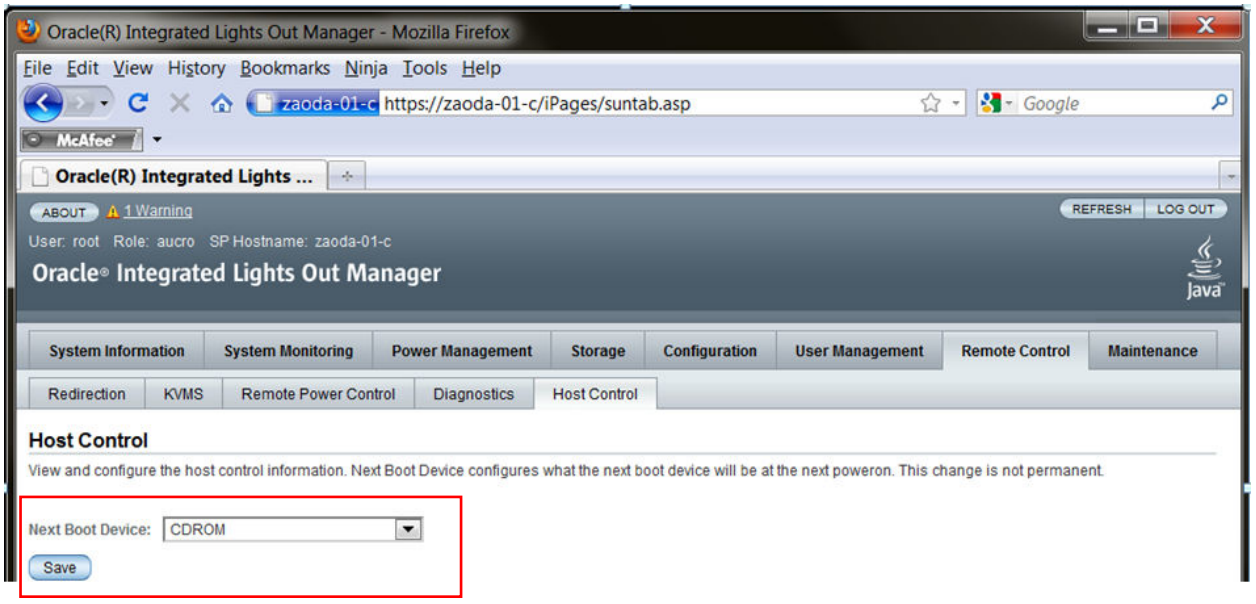
7.) The console **may** report the successful redirection depending on the state of the system



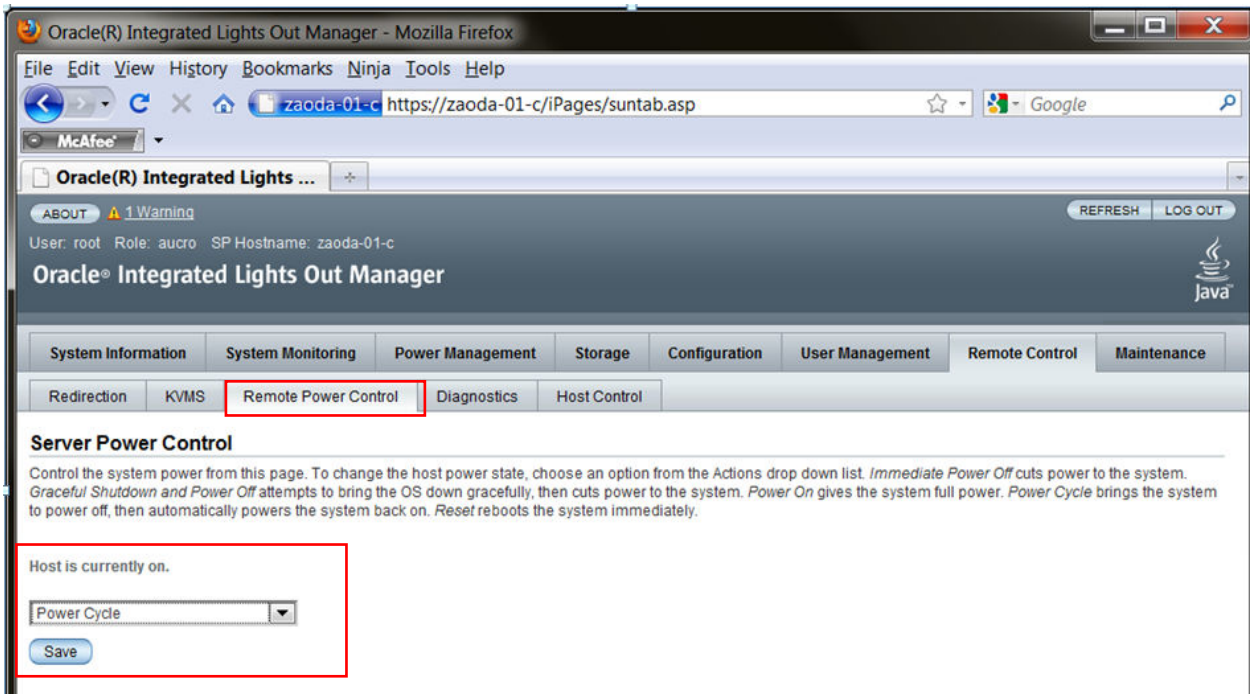
8.) Once these steps are successfully completed, click on “Host Control” tab as shown below.



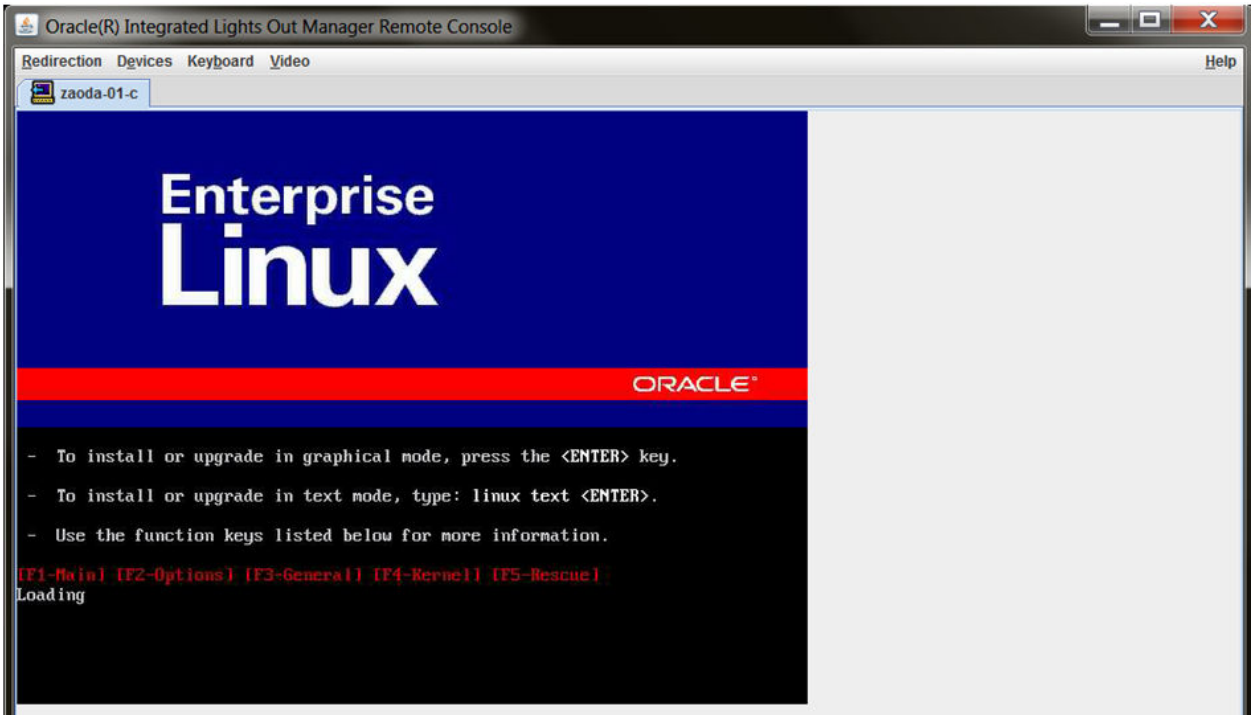
9.) And choose CDROM as the “Next Boot device” as shown below



10.) Now click on “Remote Power Control” tab as shown below and choose “Power Cycle”.



11.) The Database Appliance will restart and being imaging with the following screen.



This process will continue for 2 hours and then the login prompt will be displayed as shown below. The root password is reset back to welcome1. The Database Appliance is now ready for End User deployment. Follow the steps in document Note:1373617.1. to complete the End User deployment.