

Cloud Demos VirtualBox VM

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## Cloud Client Machine - VirtualBox virtual machine

As running through this hands-on document requires some already configured development environments, we are providing a VirtualBox virtual machine(JavaCloudService Cloud-vm) that already has most of the tools and configurations applied. It also represents a model for how a client cloud development environment should look like.

This virtual machine is running an Oracle Enterprise Linux 6 operating system.

### Cloud Client Machine – Usernames and passwords

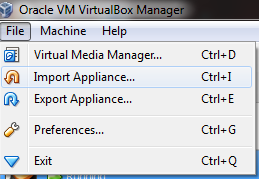
|  |  |  |
| --- | --- | --- |
| **Username** | **Password** | **Description** |
| oracle | oracle | Operating System user |
| root | oracle | Operating system user |

### Cloud Client Machine - import virtual machine

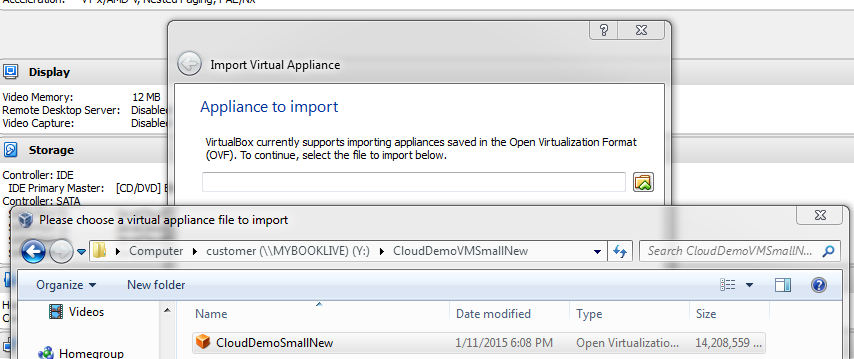
• Make sure you have the latest version of Oracle Virtual Box Installed

• Open Oracle Virtual Box

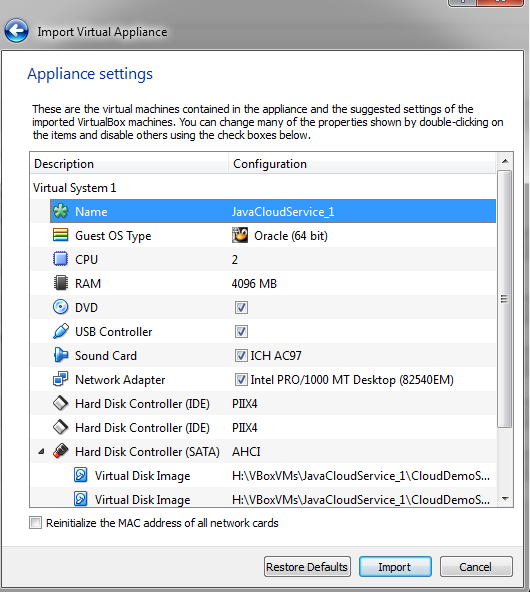
• Go to File -> Import Appliance



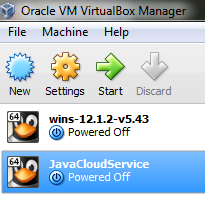
* Navigate to the provided cloud vm ova file and choose to import it:



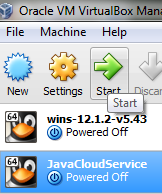
* Press Next and then Import:



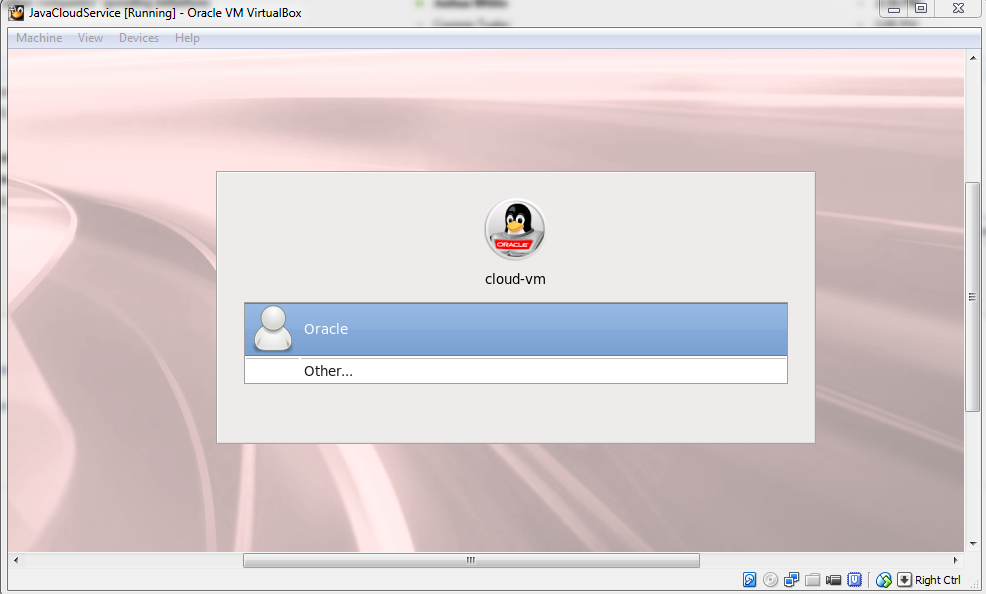
* You should see the virtual machine imported after a while:



* Select the JavaCloudService virtual machine and press start.

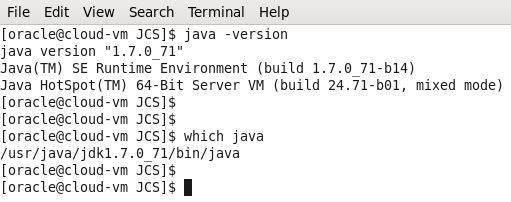


* After the machine boots you’ll be prompted to login as the oracle user:

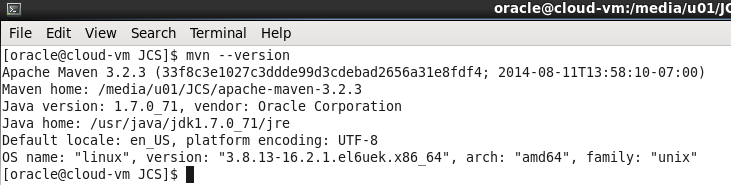


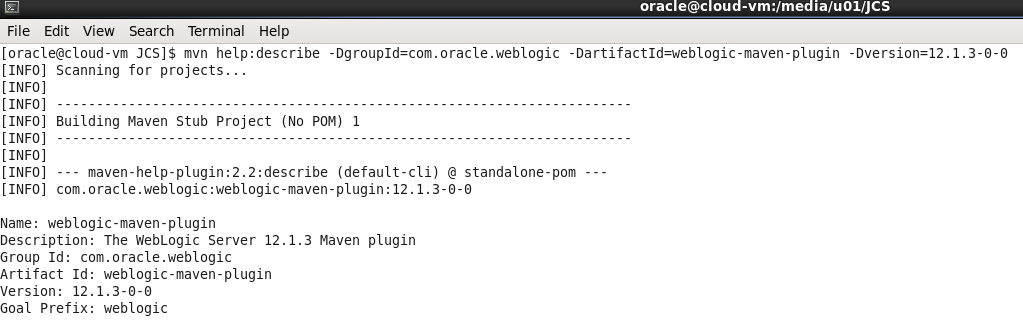
### Cloud Client Machine – tools and configurations

* Java JDK 1.7.0\_71:
  + Java home: /usr/java/jdk1.7.0\_71

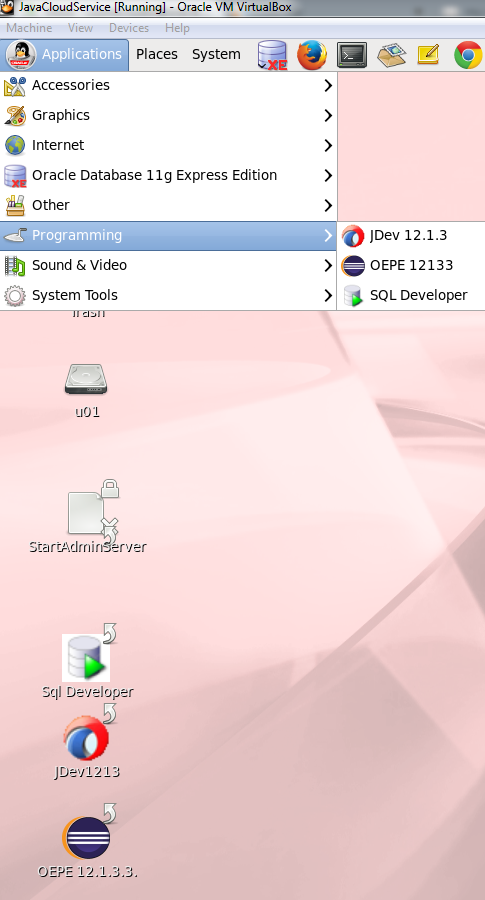


* Maven 3.2.3
  + Maven home: /u01/JCS/apache-maven-3.2.3
  + Maven has the weblogic 12.1.3 maven plugin applied
  + Usage:
    - We’re using Maven for building/deploying the TechCo eCommerce application.

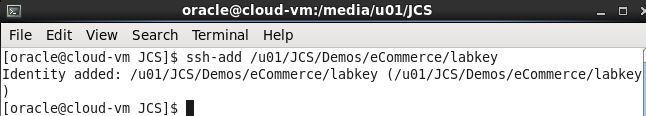




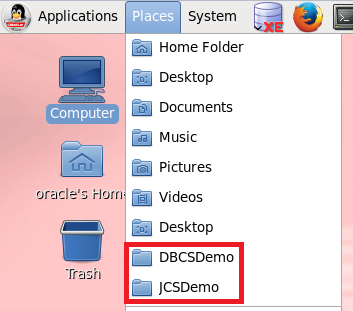
* Weblogic 12.1.3.:
  + Weblogic Home: /u01/JCS/wls12130
  + Usage:
    - The WLS 1213 home is used by the OEPE to resolved the TechCo project dependencies. You need to set this home in OEPE whenever you need to configure the TechCo application runtime environment.
* OEPE – Oracle Enterprise Pack for Eclipse
  + Version: 12.1.3.3.1
  + Home: /u01/JCS/OEPE12133/
  + Startup:
    - Desktop shortcut
    - Menu: Applications -> Programming -> OEPE 12133
    - Home
  + Usage:
    - Use the OEPE Oracle Cloud Adapter:
      * Create a DevCS connection
      * Check in/out project from devcs git repository
      * Import/Modify/Build/Check out TechCo project



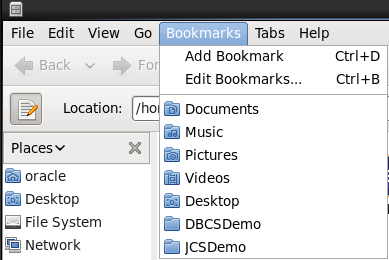
* TechCo project homes:
  + OEPE Workspaces:
    - Depending how the demo scripts is presented(projects already imported or import of the project done during the demo) we have 2 workspaces:
      * /media/u01/JCS/Demos/demos-workspace – contains all the demo projects(including TechCo) already imported, cloud adapter configured, projects configured and ready for build and deployment.
      * /media/u01/JCS/Demos/labs-workspace/ - is an empty workspace that the attendee needs to configure to the same configuration as the demos-workspace
    - Project artifacts:
      * This contains the documentation and other artifacts(wlst and sql scripts) for this project to be deployed.
* SFTP shortcuts:
  + First make sure you have added the Cloud vm machine ssh key to the local ssh trust:



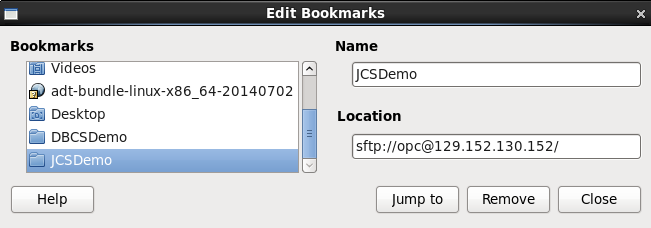
* Usually the ssh key is under /u01/JCS/Demos/eCommerce/labkey
  + Usage: they are used to make the job of copying files from the local vm machine to the cloud machine much easier.
  + Go to Places -> and here you should find your sftp shortcuts.



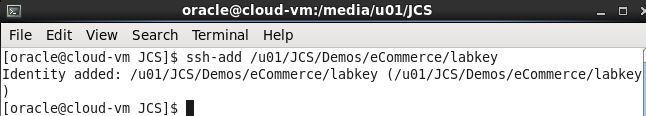
* To modify the shortcuts go to the file explorer -> bookmarks -> edit bookmarks



* You can edit the ip address and user. The ssh key has been already added:



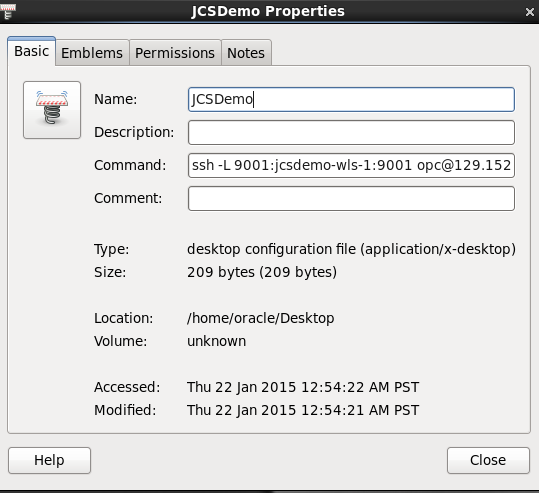
* SSH saved sessions:
  + First make sure you have added the Cloud vm machine ssh key to the local ssh trust:



* Usually the ssh key is under /u01/JCS/Demos/eCommerce/labkey
* Terminal SSH sessions shortcuts:
  + On your desktop you’ll find 3 shortcuts:
    - JCSDemo
    - DBCSDemo
    - JCSOTDDemo

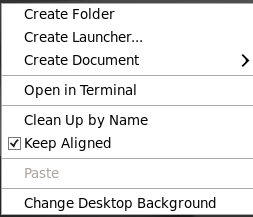


* + - * Righ-Click on one the JCSDemo and select properties:
        + You’ll notice the ssh command used. You can updated by updated the ip according to your cloud machine. You’ll notice that we are also tunneling the traffic on port 9001 for the JCS machine. More about the reason for this traffic tunneling on the JCS WLS Deployment section.
        + We are not adding the ssh key (by doing ssh -i) as the key was added previously.

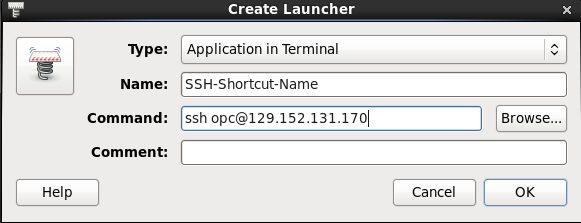


* + - * + To create a new Terminal SSH shortcut do the following:

Right-Click on desktop and choose “Create Launcher”



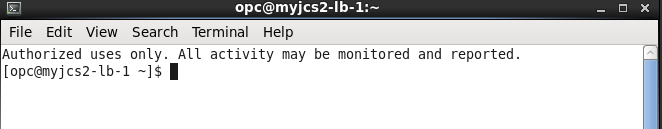
* In the Create Launcher screen set the following:
  + Type: Application in Terminal
  + Name: The shortcut name you want to give
  + Command: the ssh command



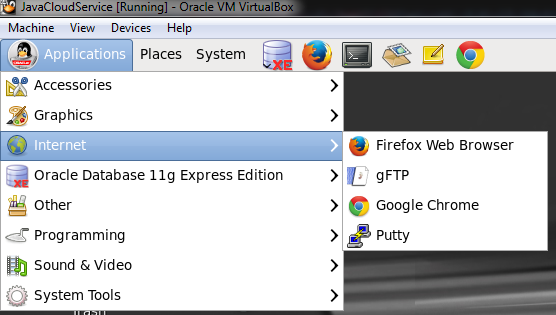
* Press OK.
* Now your shourtcut appears on Desktop



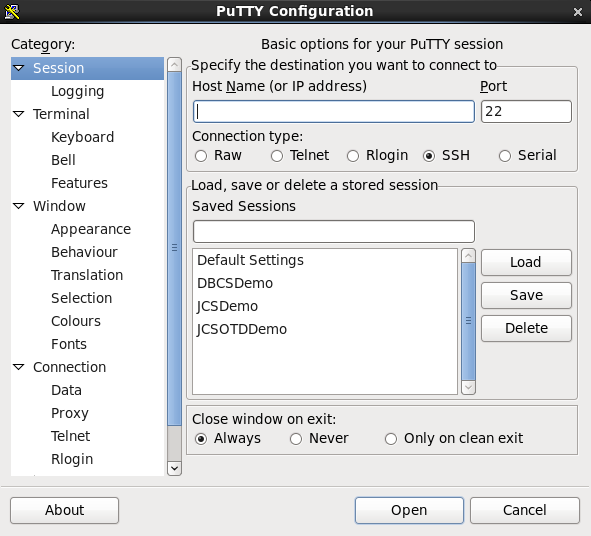
* Double click on it to open your ssh session:



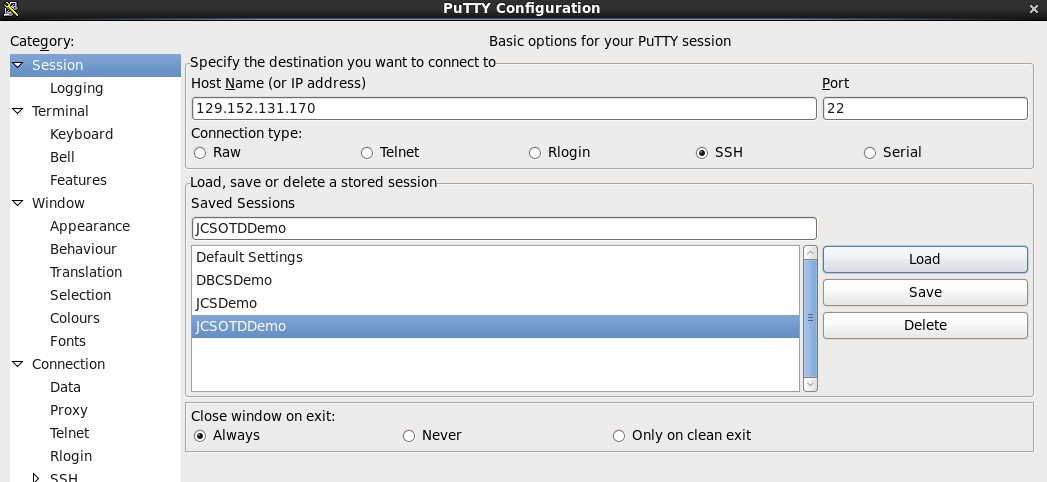
* Putty SSH sessions:
  + If you prefer putty you can also have this option on this vm:
    - Go to Applications -> Internet -> Putty



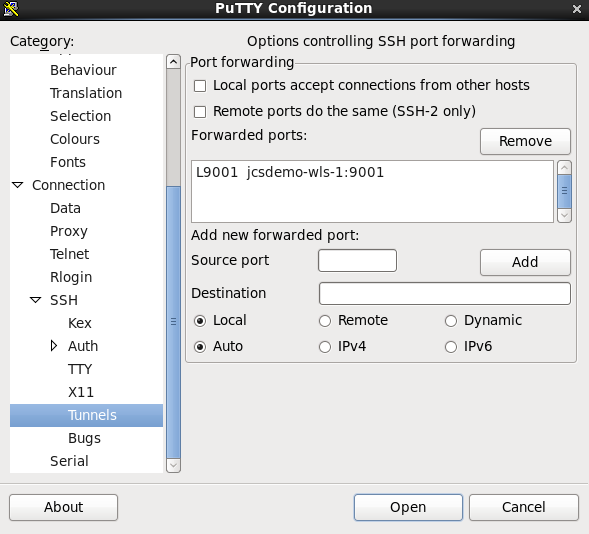
* You’ll see that you already have 3 configured sessions:



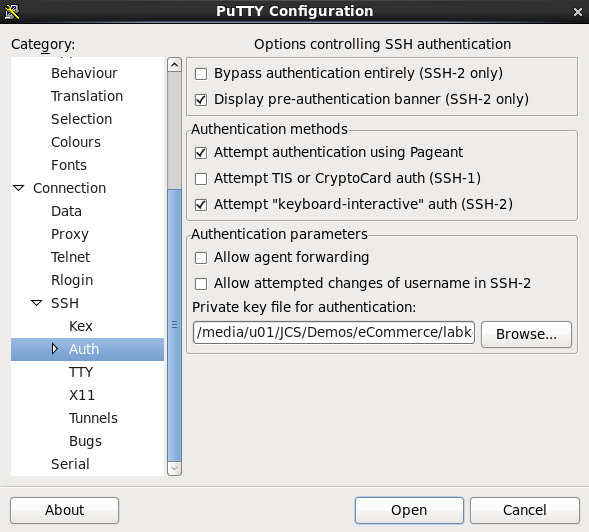
* Select the JCSDemo one, press load, and let’s investigate it:



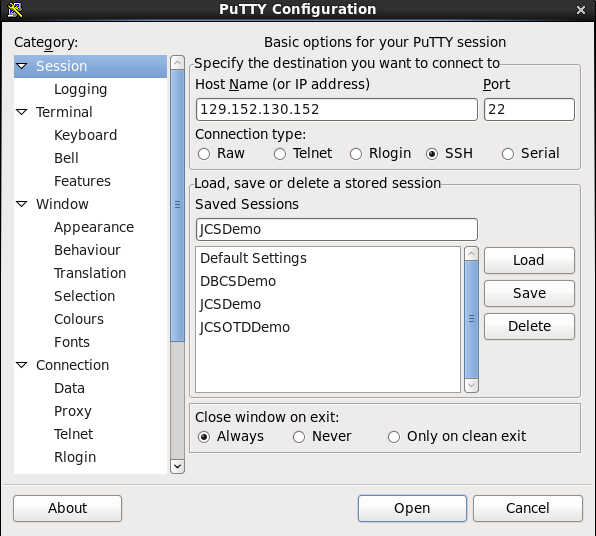
* You can update the ip/port. You’ll be requested to do that in the JCS section.
* Go to Connection -> SSH -> Tunnels. You’ll see in the the configured tunnel for port 9001.



* Go to Connection -> SSH -> Auth. You’ll see in here that we’ve added the ssh key. Actually this is not needed as we have previously added this key at the system level.



* Go back to Session and press open:



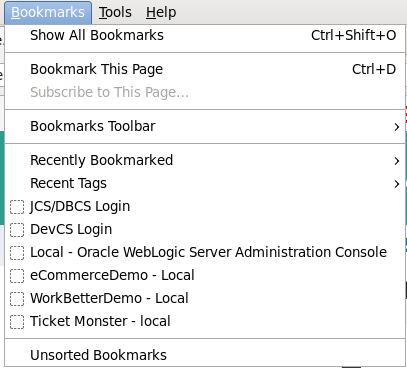
* Login as opc:



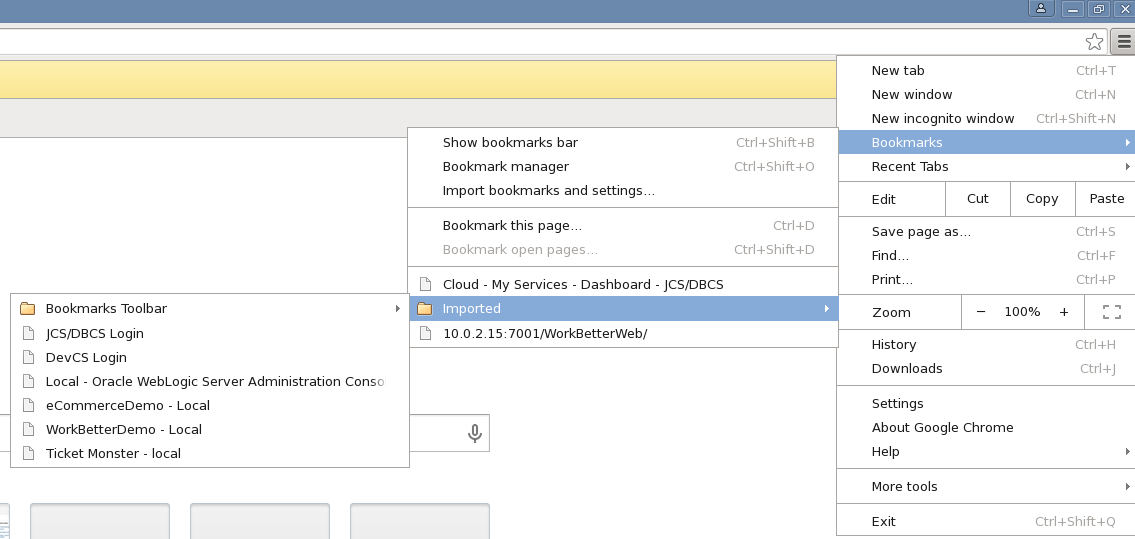
* You can easily add new sessions or update existing sessions.
* Browsers
  + You have 2 installed browsers: Chrome and Firefox:



* + The reason for heaving 2 browsers is about being able to access different cloud accounts in the same time: one for example for DevCS and the other for JCS(DBCS, JCS) or DOCS.
  + Bookmarks:
    - For Firefox the bookmarks are:



* + - You’ll be requested to update these bookmarks according to your cloud account details.
    - In Chrome you have the same bookmarks under: Bookmarks -> Imported



* VPN connectivity:
  + VPN AnyConnect is installed:



* + For Network Proxy you can configure system general network proxy:

