

Home Lab setup and Familiarization of E-Business R12.2

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Prepared by Subhajit Das Chaudhuri

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Subhajit Das Chaudhuri



Oracle Applications and Fusion Middleware DBA
13 years of Experience.
Team Manager, Oracle Apps Team, Pythian

Oracle Apps 11i/R12, RDBMS, Fusion Middleware 11g,
10gAS, Advanced Topologies architecture expert

Blog: <https://subhajitappsdba.wordpress.com/>,
<http://www.pythian.com/blog/author/chaudhuri>

Author of two Books published in Amazon:

- Integrating Oracle Applications E-Business Suite 12.1.1 with OID 11.1.1.6 and OAM 11.1.2
- Integrating Oracle Internet Directory 11.1.1.6 with Microsoft Active Directory 2008 and Oracle Applications E-Business Suite R12.1

Speaker: UKOUG Apps 13, ECRUG 14, OAUG Conn Pt. 14,
Collaborate 2015, GLOC 2015, ECO 2015 and UKOUG 2015,
RMOUG 2016, Collaborate 2016

Hobbies: Biking and Traveling.



@DCSubhajit



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Agenda

- Introduction
- Virtualization
- Carry your lab anywhere
- Staging
- Installation
- EBR
- Online patching
- ETCC Code Checker / applying latest AD/TXK/Techstack
- Cloning
- LBR
- SSL
- IDM integrations



Introduction

This presentation will help us in preparing a home Lab for researching on E-Business Suite 12.2 architecture, practicing hands-on projects in a small scale home environment and getting familiarization on the techstack and advanced architecture in quick time.

Virtualization

On a home Windows server or machine, we can install Oracle Virtualbox.

<https://www.virtualbox.org/wiki/Downloads>

We can install Oracle Linux 7 on top of Virtualbox

<http://www.dbaexpert.com/blog/install-oracle-linux-7-on-virtualbox/>

We can setup the network for the Virtual box. This is a little tricky and the following article has the steps neatly laid out:

<https://www.pythian.com/blog/test-lab-using-virtualbox-nat-networking/>

More references on Virtualbox Networking:

https://blogs.oracle.com/fatbloke/entry/networking_in_virtualbox1

<https://technology.amis.nl/2014/01/27/a-short-guide-to-networking-in-virtual-box-with-oracle-linuxinside/>

SSH tunnelling will help you get server access via Putty.

Make sure you can access the internet from the virtual server. This is needed for downloads of stage files or patches.

Also you need to be able to access the oracle public yum server for OS packages download

Building a stage



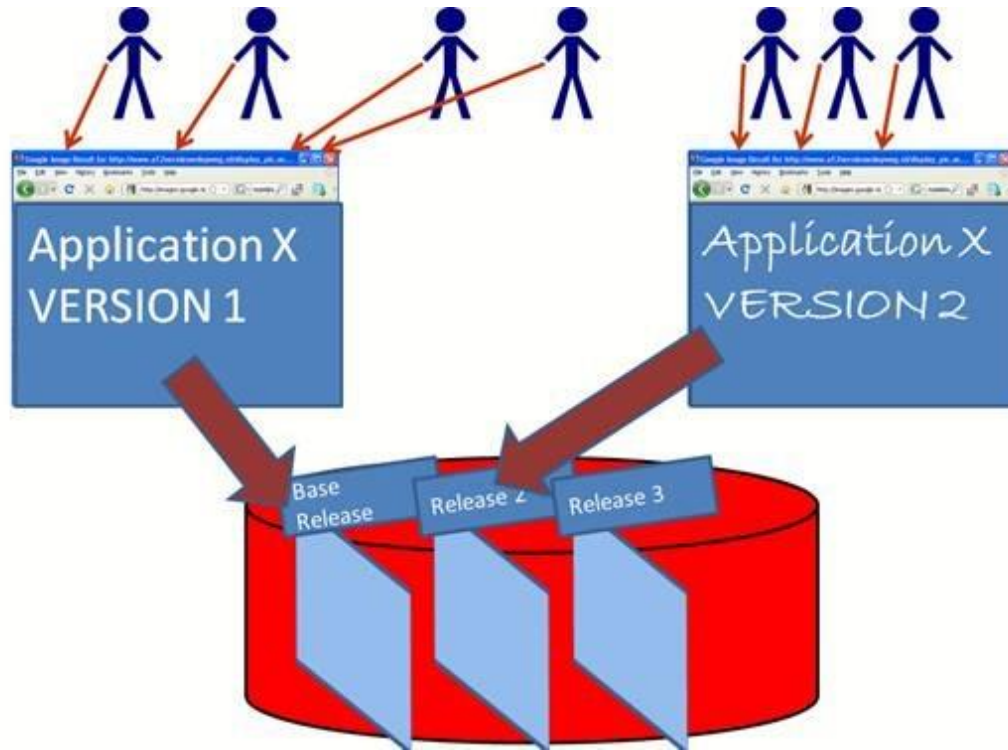
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Installation of R12.2

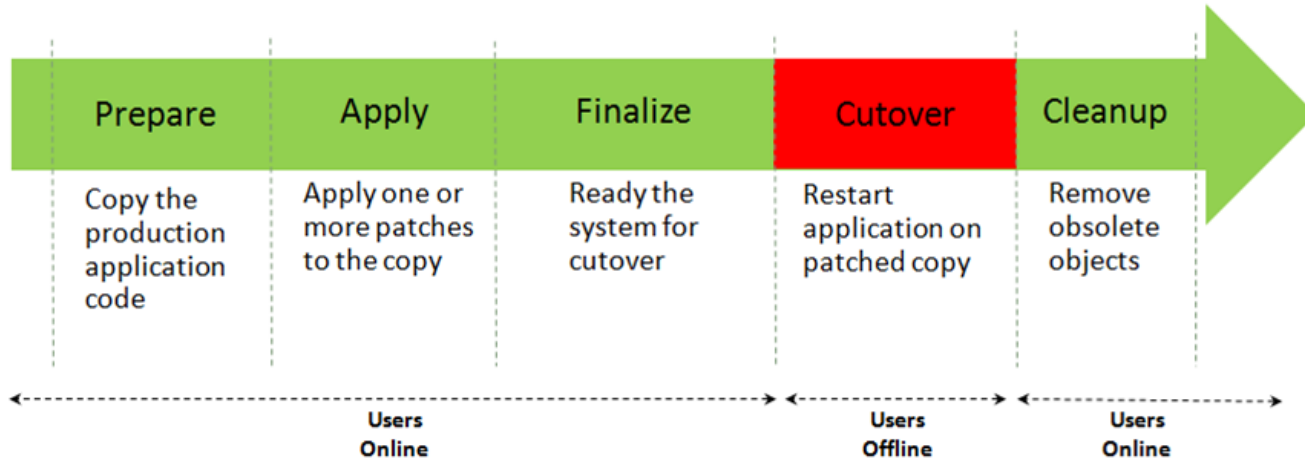
- The following document has all the pre-requisites captured for installation of Oracle Applications.
Oracle E-Business Suite Installation and Upgrade Notes Release 12 (12.2) for Linux x86-64 (Doc ID 1330701.1)
- The installation is similar to standard E-Business Suite installations using rapidwiz.
- You need to select the port pool. Database has an option to be configured as RAC along with the install.
- Use UTF-8 for character set as it may help later as well. With 12.2 comes the dual file system and weblogic. As such, we need to define the file systems fs1, fs2 and fs_ne (non-editioned file system) along with the install.
- After the installation is over, you can browse the front-end Applications as well as the backend database and app tiers to check on what processes and components are up. You need to gain good familiarity on the file systems as well.

Edition Based Redefinition



Online Patching

Online Patching Cycle

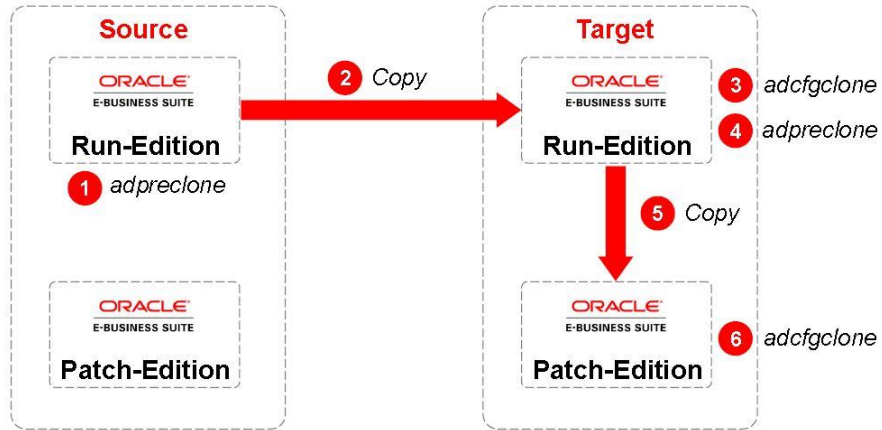


Application is only offline during the Cutover phase

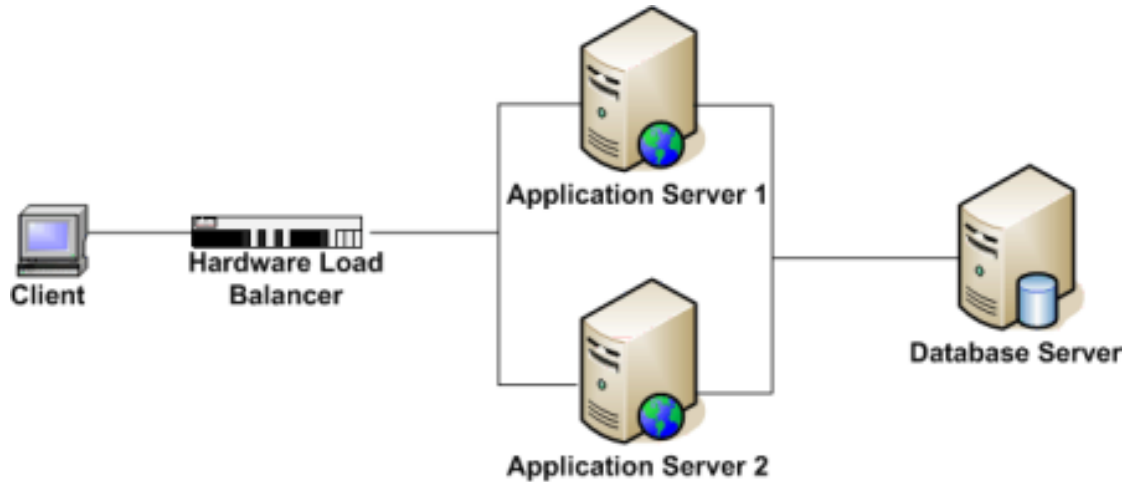
ETCC Code Checker

- Check on sample output
- Apply missing techstack patches
- Apply latest AD and TXK patches

Cloning



Load Balancing



Setting up workflow mailer

- Using Google SMTP and IMAP

Identity Management Integrations

- Discussion

Questions and Answers

Thank You!

To contact us



sales@pythian.com, chaudhuri@pythian.com



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