Fusion Applications Installations
Lessons Learned
#701

Todd Siler
Todd Siler
Oracle Technology Practice Director

- PeopleSoft Administrator
- Oracle DBA
- Linux Administrator
Audience

- Decision Maker
- Experienced Oracle Technical Professional
Session Format

- Not True Step-By-Step
- Follow Installation Process
- Identify Areas of Lessons Learned
Agenda

• Preparing for Installation
• Executing the Installation
• Summary & Questions
Disclaimer
• Not for Production Deployments
• Proof of Concept / Conference Room Pilot
• Evaluation Purposes Only
• Not a Step-by-Step Installation Session
Preparing for Installation Infrastructure
Sizing Sample for….

- Oracle Fusion Financials
- Oracle Fusion HCM
- Oracle Fusion SCM
Lesson
Leverage Virtualization
<table>
<thead>
<tr>
<th>Server</th>
<th>CPU</th>
<th>RAM (GB)</th>
<th>Storage (GB)</th>
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<td>Identity Management</td>
<td>8</td>
<td>32</td>
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<td>Fusion Applications</td>
<td>8</td>
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<td>Fusion Apps Database</td>
<td>8</td>
<td>32</td>
<td>500</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24</strong></td>
<td><strong>240</strong></td>
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The `top` command output shows the system status:

```
top - 12:39:51 up 37 days, 38 min, 5 users, load average: 5.47, 5.03, 6.47
Cpu(s): 16.6us, 5.4sys, 62.9idle, 24.5idr, 0.0si, 0.0sti, 0.0sl
Mem: 17573404k total, 159240552k used, 16494852k free, 2056704k buffers
Swap: 68059128k total, 0k used, 68059128k free, 30252124k cached
```

### Processes

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<th>PR</th>
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<th>RES</th>
<th>SHE S</th>
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<th>MEM</th>
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Preparing for Installation
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Lesson
All required software in “installers”
Preparing for Installation
Documentation
# Documentation

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**Oracle Technology Network > Documentation**

**Oracle Fusion Applications Documentation**
- Oracle Fusion Applications 11g Release 6 (11.1.6)
- Oracle Fusion Applications 11g Release 5 (11.1.5)
- Oracle Fusion Applications 11g Release 1 (11.1.4)
- Oracle Fusion Applications 11g Release 1 (11.1.3)
- Oracle Fusion Applications 11g Release 1 (11.1.2)
- Oracle Fusion Applications Technology Documentation
  - Oracle Fusion Applications Technology 11g Release 6 (11.1.6)
  - Oracle Fusion Applications Technology 11g Release 5 (11.1.5)
  - Oracle Fusion Applications Technology 11g Release 1 (11.1.4)
  - Oracle Fusion Applications Technology 11g Release 1 (11.1.3)
  - Oracle Fusion Applications Technology 11g Release 1 (11.1.2)
Documentation

Oracle® Fusion Applications
Installation Guide
11g Release 5 (11.1.5)
E16600-07

Oracle® Fusion Middleware
Enterprise Deployment Guide for Oracle Identity Management
(Oracle Fusion Applications Edition)
11g Release 5 (11.1.5)
E21032-15

Technical Release Notes
Oracle® Fusion Applications
11g Release 5 (11.1.5)
Lesson
Check for newest version of guides
Preparing for Installation
Summary
Preparation Summary

• Virtual Machines Running
• Environment Settings (Install Guide & Release Notes)
• Software Downloaded
Preparation Summary cont…

• Software extracted into “installers” directory
• “installers” directory visible to all servers
• Documentation Downloaded
Executing the Installation
Follow Documentation
Installation Guide

Oracle® Fusion Applications
Installation Guide
11g Release 5 (11.1.5)
E16600-07
Installation Guide

- Environment Settings - complete
- Create “installers” directory - complete
- Install OIM Components (another guide)
- Create Provisioning Repository
Installation Guide cont…

- Install Provisioning Framework
- Transactional Database (& RCU)
- Create Response File
- Provision Fusion Applications Environment
Lesson
Read Release Notes Before Starting!
Lesson
Read Release Notes Again!
Lesson
Oracle Doc is for Production
Installation Guide
Environment Settings
Installation Guide
Installers Directory
Installation Guide
Install OIM Components
Install OIM Components

Oracle® Fusion Middleware
Enterprise Deployment Guide for Oracle Identity Management
(Oracle Fusion Applications Edition)
11g Release 5 (11.1.5)
E21032-15
Lesson

~80% of effort was with OIM
Install OIM Components

- See disclaimer!
- All Components hosted on one server
- What is really necessary?
Lesson
Only install what you need
Lesson
Get Ready for Alphabet Soup
OIM Components installed

- Oracle HTTP Server (OHS)
- Two (2) databases (FMW RCU)
- Oracle JDK
OIM Components You Need cont…

- Oracle WebLogic (WLS)
- Oracle Identity Management (OID)
- Oracle SOA Suite
OIM Components You Need cont…

- Oracle Identity and Access Management
- OIM & OAM
Not Necessary for our purpose

- Virtual Server Names
- Load Balancer
- High Availability
- Shared Storage
- OVD
- OIF
Lesson
Session Whitepaper for all details
OIM Installation Lessons

• Install Software - Do Not Configure
OIM Installation Lessons

- Install Patches (Release Notes)

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OIM Installation Lessons

• Configure Software
OIM Installation Lessons cont...

- Keep Notes / Documentation
- Custom Ports
OIM Installation Lessons cont…
• Document the many passwords
• Follow Password Policy
  • > 8
  • At least, One Capital Letter
  • At least, One Numeric
OIM Installation Lessons cont...

- Do not proceed until OIM is functioning
Installation Guide
Create Provisioning Repository
Provisioning Repository
• “installers” Directory - Complete
Installation Guide
Install Provisioning Framework
Provisioning Framework

- Follow Guide
Installation Guide
Create Transactional Database
Transactional Database

- Provisioning Wizard
- Keep it simple
- Applications RCU
Installation Guide
Create Response File
Response File

- Provisioning Wizard
- Provide installation & configuration
- Input to Provisioning Process
Response File cont...

- Response File (*.rsp)
- Summary File (*.summary)
Installation Guide
Provision Environment
Provision Environment

• Provisioning Wizard
Provision Environment

- Response File
Provision Environment

- Review
Provision Environment

• Prerequisite Checks
Lesson
Bypass Failed Prerequisite Checks
Provision Environment

Environment Variable
SKIP_ROOTPRE=TRUE

or

Provisioning Wizard Parameter
-ignoreSysPrereqs true
Lesson
Another Useful Environment Variable
Provision Environment

Environment Variable
PROV_ENCRYPT_DISABLE=TRUE

- Clear text password in Response File
- Great for Troubleshooting
Provision Environment

- Installation
- Preconfigure
- Configure
- Configure Pri/Sec
- Postconfigure
- Startup
- Validation
Lesson
Provisioning will take hours!
Provision Environment

• Post Installation in Release Notes
Summary

• Adequately Sized Infrastructure
• Virtualization for “Do-overs”
• Check for the latest documentation
• Only install OIM Components Necessary
• Bypass failed Prerequisite Checks
Download Session White Paper
and
Please Complete Session Survey
Questions? Comments?
THANK YOU

Todd Siler

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