

ITPR037997

MDP OMS Environment

Infrastructure Solution Guide

ISG

(190424 Template)

**Version 200103.a**

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**Author: Bob Craig, Abdul G Syed, Ken McCully, Sundeep Inkoolu**



Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Name | Changes |
| 191210.a | 12/10/19 | Bob Craig | Initial Draft |
| 191230.a | 12/30/2019 | Abdul G Syed | Updated Backup BOM |
| 191231.a | 12/31/19 | Ken McCully | Updated the network section |
| 200103.a | 01/03/20 | Sundeep Inkoolu | Update the storage section |
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Convention Notes:

* Instructions and boilerplate text which is in *blue italics* should be removed after completion and prior to document review/approval process.
* Any section which does not apply to the subject project must have “Not Applicable” inserted or it will be considered applicable but overlooked. These sections can have their text color changed from black to gray for easier reviewing.
* Following a review, it is extremely helpful if Revision Tracking (Track Changes) is turned on before making changes. This will facilitate the reviewers’ location of changed text.

File Naming Convention:

Save the ISG file as “ISG-[ITPRxxxxxx] [Project Name]-[yymmdd].docx”. Using this convention will allow the file to list consistent order among ISGs.

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# Purpose/Audience

The Infrastructure Solution Guide (ISG) describes the strategy used to select and design hardware and network components and their relationship to each other within CVS Health Enterprise IT. This document describes the architecture as it relates to a project’s architectural design strategy.

Build new set of environment for MDP OMS – Multi Dose Packaging Order Management System. MDP OMS is currently a service offered within CRM

|  |  |
| --- | --- |
| **Business Unit:** | MDP - Bill Mullins - Director , Neva Farrell – Director Business |
| **Application Name:** | MDP – Multidose Packaging System |
| **Application Owner:** | Padma Ajit |
| **Technical POC:** | Sachin Baderia, Paul Jolin |
| **VP POC:** | Gaurav Sachdeva |

## Implementation Assumptions and Risks

* Assumption: The information contained within this document will be valid for sixty (60) days following the completion and approval of engineering efforts. If build activities are not initiated within the aforementioned sixty (60) day window, this document will be considered invalid until an architectural review is conducted in order to validate, and if necessary update, the information contained herein.
* Assumption: If any change is needed to the approved architectural or engineering design in the original ISG during build or production turnover, the project manager is required to engage Infrastructure Architecture & Engineering to update the Infrastructure Solution Guide and associated build sheets to avoid risk of adverse impact created by any inaccurate documentation about the project. The updated ISG must then be submitted for re-approval through EITS review as a changed design.
* Assumption: New servers being deployed as a part of this project will have to be bootstrapped/configured with Chef; those servers on an isolated network will have access to a Chef proxy server added.
* Assumption: If Sufficient VMFS storage does not exist to satisfy the creation of these Virtual Machines (VMs). The Infrastructure Architect (IA) will request storage and the System Administrator will configure it according to standards
* Assumption: VM names will be provided by the Infrastructure Engineer (IE) and are not already in use in the environment
* Assumption: IE will request and Network Engineering will provide IP info as required.
* Assumption: App team will work on the Firewall rules to be implemented (if any).
* Assumption: App team will request and install SSL Certificates as required (if any).
* Assumption: The networks indicated in this Infrastructure Solution Guide are assumed to be configured in all environments where they are required. If connectivity to one or more of these networks is not configured, the SA should work with the Network Build team to determine the gaps and build the required connectivity (VC Networking, Virtual Switches, VLAN Trunking, etc.).

## Implementation Approach/Migration Plan

* Rack and cable the new physical Oracle servers.
* Load OS on the physical servers.
* Install and configure Oracle on the physical servers.
* Create the App and Web VMs.
* Install the apps on the VMs.
* Setup the load balancer for the web servers.

# Infrastructure Description (Diagrams and Constraints)



**Reference stack information:**

|  |  |  |
| --- | --- | --- |
| **Function/Solution** | **Linux (RHEL)** | **IBM(AIX)** |
| Servers | HP ProLiant | IBM E950 |
| Virtualization | VMware vSphere |  |
| Web Software | Apache 2.4.20 |  |
| App Middleware | Weblogic 12c  Siteminder |  |
| DB Software |  | Oracle 12.2.0.1 |
| Load Balancers | F5 |  |

Please list your requirements/details here:

**Prod Environment**

**New Servers**

2 RHEL Apache VMs built using vRA in 1 CVS.

2 RHEL Weblogic VMs built using vRA in 1 CVS.

2 AIX Oracle LPARs using traditional in 1 CVS.

**Network**

1 F5 load balancer configurations.

**DR Environment**

**New Servers**

2 RHEL Apache VMs built using SDDC in Shea.

2 RHEL Weblogic VMs built using SDDC in Shea.

2 AIX Oracle LPARs built using traditional in Shea..

**Network**

1 F5 load balancer configurations.

**PT Environment**

**New Servers**

2 RHEL Apache VMs built using SDDC in 2100.

2 RHEL Weblogic VMs built using SDDC in 2100.

2 AIX Oracle LPARs using traditional in 1 CVS.

1 AIX Oracle LPAR using traditional in 2100.

**Network**

1 F5 load balancer configurations.

**UAT Environment**

**New Servers**

2 RHEL Apache VMs built using SDDC in 2100.

2 RHEL Weblogic VMs built using SDDC in 2100.

2 AIX Oracle LPARs using traditional in 2100.

**Network**

1 F5 load balancer configurations.

**QA Environment**

**New Servers**

1 RHEL Apache VMs built using SDDC in 2100.

1 RHEL Tomcat VMs built using SDDC in 2100.

1 AIX Oracle LPAR using traditional in 2100.

**Dev Environment**

**New Servers**

1 RHEL Apache VMs built using SDDC in 2100.

1 RHEL Tomcat VMs built using SDDC in 2100.

1 AIX Oracle LPAR using traditional in 2100.

## Deviation from Standards

**Architecture Portal Standards Catalog:** [LINK](http://sharepoint/sites/myArchitecture/landingpage/standards/default.aspx)

**Notes: No Deviation**

# Hardware/Software

The attached IDCES\_ISG\_Workbook provides the architectural information for the planned infrastructure related to this project. Hardware quotes will also be attached if applicable. The workbook includes the following architectural information:

* Server Infrastructure (Infrastructure Architect is responsible)
* Database (Data Architect is responsible)
* Storage (Storage Architect is responsible)
* Backups (Backup Architect is responsible)
* Engineering and Build (Infrastructure Engineer is responsible)

**New Hardware**

* 4 X IBM E950 Servers in RI 1 CVS(Quote Below)
* 2 X IBM E950 Servers in Shea(Quote Below)
* Each Server will require the following network cables:
* (2) ACI public connections – Public
* (2) ACI backup/repl connections – Backup, and Replication
* (2) ACI private connections - Interconnect
* (1) iLO/iDRAC connection
* Each Server will require the following SAN cables:
* (2) 16G SAN cables



## Licensing

* RHEL License

## HA/DR

• DR Tier 1A.

• The prod environment will be in RI.

• The DR environment will be built in Shea and will be an active/passive configuration.

• We will build DR web/application VMs in the Shea network. The OS will be managed and patched by the Unix team. The application team is responsible for keeping the application software in sync with prod.

• We will build DR database servers in the Shea network. The OS will be managed and patched by the Unix team. We will use Oracle dataguard replication for replicating the prod database servers in 2100 to the DR database servers in Shea.

# Backup/Archival (Backup Architecture team is responsible)

* Prod servers in 1CVS,RI. DR at Shea,AZ. Tier 1.
* Test/Dev servers in 2100.
* PT servers split between 1CVS and 2100, need backups replicated to Shea for DR.
* Standard Backup and Archive processes to be followed per tier 1, using TSM and DDBoost at 1CVS, AZ (RRI1DD5417) with backup replication to the Shea, AZ location (RAZDD6698) for DR.
* Dev/SIT/Test servers in 2100 (SDDC built) do not require Filesystem or DB backup replication for DR recovery. (RRI2DD0095)
* Isilon backups will be managed by the storage team.

# Data (Data Architecture team is responsible)

Please see Appendix A for the IEG.

# Network(Network Architecture team is responsible)

* There is no net new architecture required for this project. Existing processes for IP addresses, port configurations, DNS entries, load balancers, etc. should be followed.

# Security(Security Architecture team is responsible)

[Link to the SRA](http://sharepoint/sites/IT/IDP/IPD_Document_Library/Project_Documents/ITPR037997%20-%20MDP%20OMS%20Environment/SRA-ITPR037997.docx)

|  |  |
| --- | --- |
| **Regulatory Compliance** | **Designation** |
| **PHI (HIPAA)** | Yes |
| **PII** | Yes |
| **PCI** | No |
| **PCI Subnet** | No |
| **PCI Security Tool** | No |
| **PCI Connected** | No |
| **SOX** | No |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Control**  **Requirements** | **Regulatory Compliance** | | | | | |
| **PHI (HIPAA)** | **PII** | **PCI 1A** | **PCI Connected** | **PCI Security Tool** | **SOX** |
| **System Logging** | Yes | Yes | Yes | Yes | Yes | Yes |
| **Privilege User Command Monitoring** | No | No | Yes | Yes | Yes | No |
| **File integrity Monitoring (OS)** | No | No | Yes | Yes | Yes | Yes |
| **File integrity Monitoring (App)** | No | No | Yes | No | Yes | Yes |
| **Application Logging** | Yes | Yes | Yes | Yes | Yes | Yes |
| **Two-Factor Authentication** | No | No | Yes | Yes | Yes | No |
| **Database Activity Monitoring** | Yes | Yes | Yes | No | No | Yes |
| **Data Loss Prevention** | Yes | Yes | Yes | Yes | Yes | Yes |

| **Control** | **Constraints** | **Solution** | **Notes** |
| --- | --- | --- | --- |
| **System Logging** | UNIX | Splunk (syslog) |  |
| Windows | Splunk (EventLog) |
| Network Appliances | Splunk (syslog) |
| Other | Splunk (syslog) |
| **Privilege User Command Monitoring** | UNIX | Splunk (agent) | . |
| Other | N/A | This requirement only currently applies to UNIX devices. |
| **File Integrity Monitoring (OS)** | Windows | Symantec CSP (agent) |  |
| UNIX / Linux | Symantec CSP (agent) |  |
| **File Integrity Monitoring (App)** | Windows | Symantec CSP (agent) |  |
| UNIX / Linux | Symantec CSP (agent) |  |
| **Application Logging** | All | Splunk |  |
| **Two-Factor Authentication** | UNIX | Centrify |  |
| Windows | Windows jump server |  |
| **Database Activity Monitoring** | Oracle / UNIX | Guardium |  |
| Other |  |  |
| **Data Loss Prevention** |  |  |  |

# Other Applicable Infrastructure (Telephony, Desktop, Etc.)

N/A

# Architecture and Design Constraints for Subsystems or Components

N/A

# Implementation Constraints for Subsystem Implementations

N/A

# Decommissions

|  |  |  |
| --- | --- | --- |
| **Type (server, router, service, device, protocol, storage, etc.)** | **Name** | **Decommission Timeframe  (relative to project completion)** |
|  |  |  |
|  |  |  |
|  |  |  |

# Approvals

|  |  |  |
| --- | --- | --- |
| Name | Role | Approval Information |
| Name | Padma Ajit | Approval Date: 1/7/2020 |
| Name | Ed Gauvin | Approval Date: 1/7/2020 |
| Name | Disaster Recovery Architect  via EITS Review Meeting | Approval Date: Click here to enter a date. |
| Name | System Integrator  via EITS Review Meeting | Approval Date: Click here to enter a date. |
| Name | Infrastructure Architect  via EITS Review Meeting | Approval Date: Click here to enter a date. |

# Appendix A: DB Engineering Details



# Appendix B: References

[**Link – DR Tier Definitions**](http://sharepoint/sites/IT/IDP/Infrastructure%20Architecture%20Standards/Copy%20of%20DR%20Strategies%20per%20Unified%20Tiers%2011_24_2015%20v1.xlsx)

[**Link – HA/DR reference standards per tier**](http://sharepoint/sites/myArchitecture/Infrastructure/Shared%20Documents/Software/Inftastructure%20Software/HA-DR%20software%20standards%2011-2014.pdf)

[**Link – Tier 4 and 5 Hardware Requirements Document (spreadsheet)**](http://sharepoint/sites/DisasterRecovery/BC%20in%20the%20Cloud/Tier%204%20and%205%20Hardware%20Requirements%20Document.xlsx)

[**LINK - BCITC DRIP & DRAP process steps**](http://sharepoint/sites/DisasterRecovery/BC%20in%20the%20Cloud/Forms/AllItems.aspx)

**[LINK – Disaster Recovery Charter](https://policy.corp.cvscaremark.com/pnp/faces/DocRenderer?documentId=DOC-048833)**

[**Link - Project Sharepoint Site**](https://collab.corp.cvscaremark.com/sites/RxConnect/OffCycle/_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FRxConnect%2FOffCycle%2FShared%20Documents%2FITPR037997%2D%20PRF8025%20%2DOMS%20Environment%20Build&FolderCTID=0x012000E5BBB36EA2FF6B4C8CCEDDC2F3D63BA1&View=%7B7A09257F%2DDD5C%2D4853%2DAD5F%2D710C4739C5A7%7D)

[**ITPR037997 -PRF8025-OMS Envior Build**](https://collab.corp.cvscaremark.com/sites/RxConnect/OffCycle/_layouts/15/start.aspx#/SitePages/Home.aspx?RootFolder=%2Fsites%2FRxConnect%2FOffCycle%2FShared%20Documents%2FITPR037997%2D%20PRF8025%20%2DOMS%20Environment%20Build&FolderCTID=0x012000E5BBB36EA2FF6B4C8CCEDDC2F3D63BA1&View=%7B7A09257F%2DDD5C%2D4853%2DAD5F%2D710C4739C5A7%7D)

# Appendix C: TeamTrack Tickets

Engineers should enter any TeamTrack tickets created in this section adding extra rows as required

|  |  |  |
| --- | --- | --- |
| Type of Request | TeamTrack # | TT status and Comments |
| SAN Cables | [SC00039377](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=265210&Template=viewwrapper&TableId=1022) | SAN Cables MDP in 1 CVS |
| SAN Cables | [SC00039378](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=265212&Template=viewwrapper&TableId=1022) | SAN Cables for MDP in 2100 |
| SAN Cables | [SC00039379](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=265213&Template=viewwrapper&TableId=1022) | SAN Cables for MDP in Shea |
| Network Cables | [NC00039614](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266994&Template=viewwrapper&TableId=1022) | MDP UAT IC network cables |
| IP Request | [IP016629](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263527&Template=viewwrapper&TableId=1022) | IP addresses for MDP non-prod LPARs |
| IP Request | [IP016720](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266053&Template=viewwrapper&TableId=1022) | MDP IPs for prod/PT/UAT servers |
| Storage Requests | [DISK018409](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=264049&Template=viewwrapper&TableId=1022) | rri2mpkdda10v |
| Storage Requests | [DISK018410](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=264058&Template=viewwrapper&TableId=1022) | rri2mpkdqa10v |
| Storage Requests | [DISK018411](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=264068&Template=viewwrapper&TableId=1022) | rri2mpkdua10v/11v |
| Storage Requests | [DISK018532](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266605&Template=viewwrapper&TableId=1022) | rri1mpkdna1a |
| Storage Requests | [DISK018533](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266606&Template=viewwrapper&TableId=1022) | rri1mpkdna1b |
| Storage Requests | [DISK018534](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266607&Template=viewwrapper&TableId=1022) | rri1mpkdna1a/b |
| Storage Requests | [DISK018535](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266608&Template=viewwrapper&TableId=1022) | rri2mpkdna1a |
| Storage Requests | [DISK018536](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266609&Template=viewwrapper&TableId=1022) | rri1mpkdpa1a |
| Storage Requests | [DISK018537](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266610&Template=viewwrapper&TableId=1022) | rri1mpkdpa1b |
| Storage Requests | [DISK018538](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266611&Template=viewwrapper&TableId=1022) | rri1mpkdpa1a/b |
| Storage Requests | [DISK018539](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266612&Template=viewwrapper&TableId=1022) | raz1mpkdpa1a |
| Storage Requests | [DISK018540](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266613&Template=viewwrapper&TableId=1022) | raz1mpkdpa1b |
| Storage Requests | [DISK018541](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266614&Template=viewwrapper&TableId=1022) | raz1mpkdpa1a/b |
| Storage Requests | [DISK018563](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=267206&Template=viewwrapper&TableId=1022) | rri2mpkdda10v NAS |
| Storage Requests | [DISK018564](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=267208&Template=viewwrapper&TableId=1022) | rri2mpkdqa10v NAS |
| Storage Requests | [DISK018565](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=267209&Template=viewwrapper&TableId=1022) | rri2mpkdua10a NAS |
| Storage Requests | [DISK018767](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=269951&Template=viewwrapper&TableId=1022) | rri2mpkdna10a NAS |
| Storage Requests | [DISK019013](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=275304&Template=viewwrapper&TableId=1022) | rri2mpkdpa10a NAS |
| Storage Requests | [DISK019014](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=275305&Template=viewwrapper&TableId=1022) | raz1mpkdpa10a NAS |
| Server Build | **[UNIX007182](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263266&Template=viewwrapper&TableId=1022" \o "ITPR037997 | rri2mpkdqa10v | 1GB" \t "Detail)** | rri2mpkdqa10v – QA DB LPAR |
| Server Build | [**UNIX007183**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263267&Template=viewwrapper&TableId=1022) | rri2mpkdda10v – Dev DB LPAR |
| Server Build | [**UNIX007184**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263269&Template=viewwrapper&TableId=1022) | rri2mpkwqlxxv – QA Apache VM |
| Server Build | [**UNIX007185**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263271&Template=viewwrapper&TableId=1022) | rri2mpkwdlxxv – Dev Apache VM |
| Server Build | [**UNIX007186**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263272&Template=viewwrapper&TableId=1022) | rri2mpkaqlxxv – QA Weblogic VM |
| Server Build | [**UNIX007187**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263273&Template=viewwrapper&TableId=1022) | rri2mpkadlxxv – Dev Weblogic VM |
| Server Build | [**UNIX007205**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263668&Template=viewwrapper&TableId=1022) | rri2mpkwulxxv  - UAT Apache VM |
| Server Build | [**UNIX007206**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263669&Template=viewwrapper&TableId=1022) | rri2mpkwulxxv - UAT Apache VM |
| Server Build | [**UNIX007207**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263670&Template=viewwrapper&TableId=1022) | rri2mpkaulxxv – UAT Weblogic VM |
| Server Build | [**UNIX007208**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263671&Template=viewwrapper&TableId=1022) | rri2mpkaulxxv - UAT Weblogic VM |
| Server Build | [UNIX007209](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263678&Template=viewwrapper&TableId=1022) | rri2mpkdua10a – UAT DB LPAR |
| Server Build | [UNIX007210](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263679&Template=viewwrapper&TableId=1022) | rri2mpkdua10b – UAT DB LPAR |
| Server Build | [UNIX007212](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263781&Template=viewwrapper&TableId=1022) | rri2mpkwnlxxv – PT Apache VM |
| Server Build | [UNIX007213](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263782&Template=viewwrapper&TableId=1022) | rri2mpkwnlxxv - PT Apache VM |
| Server Build | [UNIX007214](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263783&Template=viewwrapper&TableId=1022) | rri2mpkanlxxv - PT Weblogic VM |
| Server Build | [UNIX007215](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263786&Template=viewwrapper&TableId=1022) | rri2mpkanlxxv - PT Weblogic VM |
| Server Build | [**UNIX007220**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263910&Template=viewwrapper&TableId=1022) | rri1mpkwpl10v – Prod Apache VM |
| Server Build | [**UNIX007221**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263912&Template=viewwrapper&TableId=1022) | rri1mpkwpl11v - Prod Apache VM |
| Server Build | [**UNIX007222**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263913&Template=viewwrapper&TableId=1022) | rri1mpkapl10v - Prod Weblogic VM |
| Server Build | [**UNIX007223**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263914&Template=viewwrapper&TableId=1022) | rri1mpkapl11v - Prod Weblogic VM |
| Server Build | [**UNIX007224**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263915&Template=viewwrapper&TableId=1022) | raz1mpkwplxxv - DR Apache VM |
| Server Build | [**UNIX007225**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263916&Template=viewwrapper&TableId=1022) | raz1mpkwplxxv - DR Apache VM |
| Server Build | [**UNIX007226**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263918&Template=viewwrapper&TableId=1022) | raz1mpkaplxxv - DR Weblogic VM |
| Server Build | [**UNIX007227**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=263920&Template=viewwrapper&TableId=1022) | raz1mpkaplxxv - DR Weblogic VM |
| Server Build | [UNIX007435](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266576&Template=viewwrapper&TableId=1022) | rri1mpkdna1a – PT DB LPAR |
| Server Build | [UNIX007436](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266581&Template=viewwrapper&TableId=1022) | rri1mpkdna1b - PT DB LPAR |
| Server Build | [UNIX007437](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266582&Template=viewwrapper&TableId=1022) | rri2mpkdna1a – PT2 DB LPAR |
| Server Build | [UNIX007438](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266583&Template=viewwrapper&TableId=1022) | rri2mpkdpa1a – Prod DB LPAR |
| Server Build | [UNIX007439](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266584&Template=viewwrapper&TableId=1022) | rri2mpkdpa1b – Prod DB LPAR |
| Server Build | [**UNIX007440**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266585&Template=viewwrapper&TableId=1022) | raz1mpkdpa1a – DR DB LPAR |
| Server Build | [**UNIX007441**](https://teamtrack.cvs.com/tmtrack/tmtrack.dll?IssuePage&RecordId=266586&Template=viewwrapper&TableId=1022) | raz1mpkdpa1b – DR DB LPAR |
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