**Vets.gov**

Deployment, Installation, Back-Out, and Rollback Guide



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**Revision History**

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| --- | --- | --- | --- |
| 09/027/2016 | 1.0 | Initial version | A Gant-Curtis |

**Artifact Rationale**

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the VA Enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

Per the Veteran-focused Integrated Process (VIP) Guide, the Deployment, Installation, Back-out, and Rollback Plan is required to be completed prior to Critical Decision Point #2 (CD #2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

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# Introduction

This document describes how to deploy and install the Enterprise Veteran Self Service (EVSS) software release, as well as how to back-out the product and rollback to a previous version or data set. This document is a companion to the project charter and management plan for this effort. In cases where a non-developed commercial off the shelf (COTS) product is being installed, the vendor-provided User and Installation Guide may be used; however, the Back-Out Recovery strategy must still be included in this document.

## Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the Vets.gov software will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, provides a communications plan, and a rollout schedule. Specific instructions for installation, back out, and rollback are included in this document.

## Dependencies

Vets.gov has no dependency on any other systems.

## Constraints

There are no constraints for Vets.gov .

Availability of the web portal and the reliability of its system design are dependent upon a large

# Roles and Responsibilities

The below table list the roles and responsibilities for each task:

Table : Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

| **ID** | **Team** | **Phase / Role** | **Tasks** | **Project Phase (See Schedule)** |
| --- | --- | --- | --- | --- |
|  | Vets.gov Release Management | Deployment | Plan and schedule deployment (including orchestration with partner systems) |  |
|  | Vets.gov Release Management | Deployment | Determine and document the roles and responsibilities of those involved in the deployment. |  |
|  | Vets.gov Release Management | Deployment | Test for operational readiness |  |
|  | Vets.gov Release Management | Deployment | Execute deployment |  |
|  | Vets.gov Operations | Installation | Plan and schedule installation |  |
|  | Vets.gov Security Team | Installation | Ensure authority to operate and that certificate authority security documentation is in place |  |
|  | Vets.gov Ops Help Desk | Installations | Coordinate training |  |
|  | Vets.gov Release Management | Back-out | Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out) |  |
|  | Vets.gov Operations | Post Deployment | Hardware, Software and System Support |  |

# Deployment

This deployment is planned as a feature/maintenance release. The rollout of the Vets.gov project software occurred in November 2015 for use by millions of Veterans.

This section provides the schedule and milestones for the deployment. Section 4.8 contains all sequential installation steps for this deployment; section 5.6 contains the back-out steps; section 6.5 contains the rollback steps; and section 4.9 contains the verification procedure.

A Polaris calendar entry is submitted for awareness of the deployment.

## Timeline

The deployment and installation is scheduled to run on the same dates, as depicted below.

### Deployment, Validation and Release Schedules

|  |  |
| --- | --- |
| **Event** | **Date** |
| UAT | 9/30/2016 |
| PROD “Go-Live” | 9/30/2016 |

### PREPROD and DARK PROD Deployment Timeline

The timeline is the same for both deployments that occur on different days. These are deployment events to update the Vets.gov application software to the new release baseline.

|  |  |
| --- | --- |
| **Time (ET) (Approximate Times)** | **Description** |
| 1000 ET | **Brief Summary** |
|  | A quick summary of the process:   * Roll Call * Vets.gov Deployment * Dynamic Content Deployment * Mini-Smoke Test |
| 1000 ET | **Roll Call** |
|  | Admins, WebLogic Admin, Linux Admin, Database Admin, Content Dev, Prod Testers; and developers from each component team |
| 1005 ET | **Vets.gov Deployment** |
|  | Perform ‘Installation Procedure’ section of this document unless marked “(SKIP)” |
| 1415 ET | **Mini-Smoke Validation** |
|  | Mini-smoke test performed by Release Management and OPS before handing over the system for official validation testing. |
| 1430 ET | **Call the Deployment** |
|  | Make determination as to whether the deployment was successful or whether to back-out the deployment. |

### PROD “Go-Live” Release Timeline

On the release “go-live” day, there are no deployment steps.

|  |  |
| --- | --- |
| **Time (ET) (Approximate Times)** | **Description** |
| 0525 ET | **CHECKPOINT #1** |
|  | Open the meeting. |
| 0530 ET | Production Testers begin Pre-Release validation of existing production environment |
|  | * This pre-release validation is to ascertain the state of partner systems.. |
| 0615 ET | Production Testers perform final pre-validation checks |
|  | * Review the pre-release validation results. * This effort sets a baseline before any changes to the production environment. In the past, we have discovered issues with partner systems during this "Pre-Release validation" step, and have notified the partners involved. Often they have been able to resolve the issue before the new release is live. |
| 0620 ET | **CHECKPOINT #2** |
|  | **Go/No-Go Decision (based on pre-release validation findings)** |
| 0700 ET | **CHECKPOINT #3** |
|  | * Validation points will include the same set as pre-validation. |
| 0800 ET | Release completed |
|  | * Go/No-Go Decision (based on post-release validation findings)   + If “go” decision; event is completed   + If “no-go” decision, refer to the Optional sections below |
| 0805ET | **CHECKPOINT #4** |
| (OPTIONAL) If “No” Decision |
|  | * Live Prod is now the original version (release reverted). * Business testers perform post-domain swap validation. |
| 0930ET | EVSS R12.3 Back-Out completed |
|  | * Summary e-mail sent; indicating “Backed Out”. |

## Site Readiness Assessment

This section discusses the locations that will receive the Vets.gov deployment.

### Deployment Topology (Targeted Architecture)

Refer to the Vets.gov Productions Operations Manual (POM), Sections 1.2 and 1.3.

### Site Information (Locations, Deployment Recipients)

Refer to the Vets.gov, Section 1.2 and 1.3.

### Site Preparation

The following table describes preparation required by the site prior to deployment.

Table : Site Preparation

| **Site/Other** | **Problem/Change Needed** | **Features to Adapt/Modify to New Product** | **Actions/Steps** | **Owner** |
| --- | --- | --- | --- | --- |
| N/A |  |  |  |  |

## Resources

### Facility Specifics

There are no facility-specific features required for this deployment.

Table : Facility-Specific Features

| **Site** | **Space/Room** | **Features Needed** | **Other** |
| --- | --- | --- | --- |
| N/A |  |  |  |

### Hardware

The following table describes hardware specifications required at each site prior to deployment.

Table : Hardware Specifications

| **Required Hardware** | **Model** | **Version** | **Configuration** | **Manufacturer** | **Other** |
| --- | --- | --- | --- | --- | --- |
| N/A |  |  |  |  |  |

Please see the Roles and Responsibilities table in Section 2 for details about who is responsible for preparing the site to meet these hardware specifications.

### Software

The following table describes software specifications required at each site prior to deployment.

**Table 5: Software Specifications**

| **Required Software** | **Make** | **Version** | **Configuration** | **Manufacturer** | **Other** |
| --- | --- | --- | --- | --- | --- |
| N/A |  |  |  |  |  |

Please see the Roles and Responsibilities table in Section 2 above for details about who is responsible for preparing the site to meet these software specifications.

### Communications

At the beginning of a release cycle, before development begins, the schedule is communicated to all parties to include VA Business Stakeholders, Help Desk personnel, developers, Operations and Release Management resources. The status of the release as it pertains to the published schedule, including any changes to the schedule, is briefed once a week to all parties.

Lower environment deployments are communicated internally to the project contractor team via daily Scrum-of-Scrum meetings and to the VA PM Team.

#### Deployment/Installation/Back-Out Checklist

Section 3.1 contains the schedule and timeline for Preproduction and Production events. Section 2 contains the teams for each portion of these events. In addition, each Installation, Back-Out, and Rollback step (as appropriate) designates the type of resource required (WebLogic Admin, Database Admin, Content Admin, or Alfresco Admin.)

Table 6: 3.3.4.1 Deployment/Installation/Back-Out Checklist

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Day** | **Time** | **Individual who Completed Task** |
| Deploy | See Section 3.1 | See Section 3.1 | Section 2 and Section 4.8 |
| Install | See Section 3.1 | See Section 3.1 | Section 2 and Section 4.8 |
| Back-Out | See Section 3.1 | See Section 3.1 | Section 2 and Section 5.6 |

# Installation

## Pre-installation and System Requirements

There are no new pre-installation and system requirements for this release.

## Platform Installation and Preparation

There is no platform installation or preparation required for this release.

## Download and Extract Files

EVSS utilizes the automated deployment tool, CA LISA Release Automation (LRA). The tool eliminates the need to pre-download and stage artifacts. However, if LRA is unavailable, steps to perform manual deployments are included in this document.

## Database Creation

There are no database creation activities are required for this release.

## Installation Scripts

There is no installation script required for this release; as mentioned in Section 4.3, LRA shall be used.

## Cron Scripts

There is no cron script required for this release installation.

## Access Requirements and Skills Needed for the Installation

### Access Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Access Type** | **Level of Access** | **Environments** | **Associated Groups** |
| Database | Read/Write requires elevated privileges | UAT, PROD | N/A |
| WebLogic Console & Developer | Read/Write requires elevated privileges | UAT, PROD |  |

### Skills Required

The skill required depends on the contents of the step. Within the “Installation Procedure” and “Back-Out Procedure” sections, each step heading contains [WL Admin], [Database Admin], [Content Admin] or [Alfresco Admin].

## Installation Procedure

### Server Information

The following tables represent the servers and databases affected by this release by environment.

### Deployment Steps – Database Updates

#### Database - Perform Updates [Database Admin]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **QA1** | **QA2** | **PINT1** | **PINT2** | | **PERF** | **DEMO** | **PREPROD** | **PROD1** | **PROD2** |
| vaebndbs83 (EBNQ1) | vaebndbs83 (EBNQ1) | vaebndbs31 (EBNQ21) | vaebndbs31 (EBNQ21) | | vaebndbs600 (ESSD1) | vaebndbs601 (ESSC1) | vaebndbs41 (EBNY1) | vaebndbs20 (EBNP1) | vaebndbs20 (EBNP1) |
| Step |  |  | | Action | | | | | |
|  | **DBA-78: (SKIP on Dark Prod push day)**  This database change is NOT backward compatible. If run on a dual domain environment, R12.2 686 will be broken due to the new URL for R12.3. For Prod, this script will run on go-live day. To test 686 on dark prod without this change, direct URLs will be provided to the testers. | | | | | | | | |
|  | **DBA-78:**  For PERF ONLY - Download: <http://vaausessweb600.aac.va.gov/evss-release-artifacts-resources/R12.3/EBN/update_dba_78_PERF.zip>  md5: 33c59413e46dd991cc64a4f68d2d3775  For all other Environments – Download: <http://vaausessweb600.aac.va.gov/evss-release-artifacts-resources/R12.3/EBN/update_dba_78.zip>  md5: 7ea879bb21d3ff0da22a6ac6032b4f22 | | | | | | | | |
|  | **DBA-78: (SKIP on Dark Prod push day)**  Using run\_wrapper.cmd, as the **EBN\_APP** user, execute:   * For all environments EXCEPT PERF:   + update\_dba\_78.sql * For PERF ONLY:   + update\_dba\_78\_PERF.sql * NOTE: No additional parameters required. * One record is updated by this script: VALUESTRING column of FEATUREATTRIBUTEVALUE table value from '/wssweb/VDC686/dependent.do' to '/wssweb/wss-686-webparts/dependent.do' where ATTRIBUTEKEY='URL' and FEATURECODE='FORM686.application' * **Only in PERF** (One record is updated - VALUESTRING column of FEATUREATTRIBUTEVALUE table value from '/wssweb-perf/perf/VDC686/dependent.do' to '/wssweb-perf/perf/wss-686-webparts/dependent.do' where ATTRIBUTEKEY='URL' and FEATURECODE='FORM686.application' )   No down time required. | | | | | | | | |
|  | **DBA-78: (SKIP on Dark Prod push day)**  If the execution log review indicates the script did not execute properly, follow the steps in the ROLLBACK INSTRUCTIONS section of this document. | | | | | | | | |
|  | **DBA-85: (SKIP on Dark Prod push day)**  This script is backward compatible with R12.2 but cannot be run without an outage. It will be run before the Dark Prod push during a separate event.  Download: <http://vaausessweb600.aac.va.gov/evss-release-artifacts-resources/R12.3/EBN/string_val_modify_dba_85.zip>  md5: 7fca6c7815929fac755ef9776cec2851 | | | | | | | | |
|  | **DBA-85: (SKIP on Dark Prod push day)**  Using run\_wrapper.cmd, as the **EBN\_APP** user, execute:   * For all environments:   + string\_val\_modify\_dba\_85.sql * NOTE: No additional parameters required.   As part of the Migration of Service portion of 21-686 and 21-674 to VDC Codebase,  to support new security token for 686,  increased the column  STRING\_VAL  character limit in table EVBATCH\_JOB\_EXECUTION\_PARAMS table to 3072 ( VARCHAR2 3072). | | | | | | | | |

##### (SKIP) Deploy va-services-web War File [WL Admin]

| **QA1** | **QA2** | **PINT1** | **PINT2** | **PERF** | **DEMO** | **PREPROD** | **PROD1** | **PROD2** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vaebnapp81 | DNS: qa2.vaebnapp81 | vaebnapp71  vaebnapp72 | DNS: pint2.vaebnapp71  DNS: pint2.vaebnapp72 | vaebnapp602 vaebnapp603 | vaebnapp608 vaebnapp609 | vaebnapp60  vaebnapp61  vaebnapp62 | vaebnapp50  vaebnapp51  vaebnapp52  vaebnapp53 | vaebnapp550  vaebnapp551  vaebnapp552  vaebnapp553 |
| **Step** |  |  | **Action** | | | | | |
|  | **Important note**: this new war is to be deployed in addition to the existing va-services.war; the two versions will need to coexist for a transition period. The older war will be removed in the release phase. | | | | | | | |
|  | Download:  <http://ci.evss.va.gov/nexus/content/repositories/releases/gov/va/vrm/services/va-services-web/2.0.7/va-services-web-2.0.7.war>  md5: ff16e3520cb25bf093915523af7648f1 | | | | | | | |
|  | \*\*\* SKIP both the 1.1.0 and 2.0.7 versions will need to co-exist \*\*\*  Backup the previous version of the va-services-web-1.1.0.war in the <domain>/servers/AdminServer/uploads directory.  Keep backup in case of rollback. | | | | | | | |
|  | Go to the admin node of the cluster. | | | | | | | |
|  | Upload and deploy new WAR file to the cluster. | | | | | | | |
|  | Perform a restart of the cluster. | | | | | | | |

##### (SKIP) Update va-services Properties File [WL Admin]

| **QA1** | **QA2** | | **PINT1** | | **PINT2** | **PERF** | **DEMO** | **PREPROD** | **PROD1** | **PROD2** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vaebnapp81 | DNS: qa2.vaebnapp81 | | vaebnapp71  vaebnapp72 | | DNS: pint2.vaebnapp71  DNS: pint2.vaebnapp72 | vaebnapp602 vaebnapp603 | vaebnapp608 vaebnapp609 | vaebnapp60  vaebnapp61  vaebnapp62 | vaebnapp50  vaebnapp51  vaebnapp52  vaebnapp53 | vaebnapp550  vaebnapp551  vaebnapp552  vaebnapp553 |
| **Step** |  |  | | **Action** | | | | | | |
|  | Download:  <http://ci.evss.va.gov/nexus/content/repositories/releases/gov/va/vrm/services/va-services-misc/2.0.7/va-services-misc-2.0.7.zip>  md5: 298b322342a91e82d0e31ff1e4f0b21e  wget --no-check-certificate <zip file> | | | | | | | | | |
|  | Unzip the va-services-misc-2.0.7.zip file in <domain> folder:   * unzip va-services-misc-2.0.7.zip * rm va-services-misc-2.0.7.zip | | | | | | | | | |

##### Deploy content Apache Content [WL Admin]

| **QA1** | **QA2** | **PINT1** | | **PINT2** | | **PERF** | **DEMO** | **PREPROD** | **PROD1** | **PROD2** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| vaausessweb700 | DNS: qa2.vaausessweb700 | vaausessweb600  vaausessweb601 | | DNS: pint2.vaausessweb600  DNS: pint2.vaausessweb601 | | vaausessweb500 | vaausessweb400 | vaausessweb300  vaausessweb301 | vaausessweb101  vaausessweb102  vaausessweb100 (virus scan) | vaausessweb101  vaausessweb102 |
| **Step** |  | |  | | **Action** | | | | | | |
|  | IMPORTANT: Whenever this artifact changes, make sure that Step 4.8.10.7 is performed as well during deployment event.  Download: <http://ci.evss.va.gov/nexus/content/groups/public/gov/va/ecms/evss-content/8.2.2/evss-content-8.2.2-resources.zip>  MD5: 08627389ae5efd4125915bf92c4c1594  Where <version> = 8.2.2 | | | | | | | | | | |
|  | Copy evss-content-<version>-resources.zip to each server and extract contents to temporary install directory.  mkdir –p /home/weblogic/install/evss-content-<version>  cd /home/weblogic/install/evss-content-<version>  unzip evss-content-<version>-resources.zip | | | | | | | | | | |
|  | <environment> = pint1, pint2, perf, demo, preprod1, prod1, prod2  Create backup and clean directory  cd /var/www/html/  tar –czvf EBN-portal.<environment>.tar.gz EBN-portal.<environment>/  Verify the backup  Open the backup and make sure the file is not corrupted (you can see the list of files) | | | | | | | | | | |
|  | Extract resources and copy to /var/www/html/EBN-portal.<environment>  cd /home/weblogic/install/evss-content-<version>  rm –rf /var/www/html/EBN-portal.<environment>/\*  cp –rp resources /var/www/html/EBN-portal.<environment>/ | | | | | | | | | | |
|  | Set File Permissions  sudo /usr/local/bin/setContentPermissions.sh | | | | | | | | | | |

#### Publish Shared Content [Content Admin]

| **Servers** | |
| --- | --- |
| **Alfresco Explorer**  INT, QA1, PINT, DEMO, PERF: <https://dev.ecms.evss.va.gov/alfresco/faces/jsp/login.jsp>  PREPROD, PROD: <https://ecms.evss.va.gov/alfresco/faces/jsp/login.jsp>  **Alfresco Share**   1. INT, QA1, PINT, DEMO, PERF:: <https://dev.ecms.evss.va.gov/share/> 2. PREPROD, PROD:: <https://ecms.evss.va.gov/share/> | |
| **Step** | **Action** |
|  | Download:  [<http://ci.evss.va.gov/nexus/content/groups/public/gov/va/ecms/evss-content/8.2.2/evss-content-8.2.2-ebenefits-liferay.zip>](http://ci.evss.va.gov/nexus/content/groups/public/gov/va/ecms/evss-content/7.1.9/evss-content-7.1.9-ebenefits-liferay.zip%20%20%20%20%20)  md5: 2e263a096a77caf58e0853ef77241370 |
|  | 1. Login to Alfresco Share as Administrator at 2. Lowers: <https://dev.ecms.evss.va.gov/share/>   PreProd/Prod: <https://ecms.evss.va.gov/share/> |
|  | 1. A. Create timestamped < yyyyMMdd> backup folder under Company Home / Sites <site>/documentLibrary/BACKUP/<env>/< yyyyMMdd> 2. B. Except for sub folder dynamic-content (if it exists), select all the other sub folders (Content, Portlets, model, templates etc.) beneath the environment folder. 3. B. Click on “Move to..” from “Selected items”   C. Select the path Company Home / Sites <site>/documentLibrary/BACKUP/<env>/< yyyyMMdd>/ |
|  | 1. Login to Alfresco Explorer as Administrator at 2. Lowers: <https://dev.ecms.evss.va.gov/alfresco/faces/jsp/login.jsp> 3. PreProd/Prod: <https://ecms.evss.va.gov/alfresco/faces/jsp/login.jsp> |
|  | 1. A. Navigate to Company Home / Sites / <site> / documentLibrary / <env>, where site is the desired site, e.g. EBN-liferay, and env is the environment folder, e.g. QA2   B. From the 'More Actions' drop-down in the header (grey section), select 'Import' and select the evss-content-<RELEASE\_VERSION>--EBN-liferay.zip.  From the dialogue which appears, browse for and select the zip file.  Check the box for 'Run import in background'. |

## Installation Verification Procedure

Release Management and OPS personnel perform a mini-smoke test after the installation completes, but still part of the installation event. The mini-smoke test includes verification of the following:

NOTE: Mini-smoke testing is not a deep-dive into the various features.

* Login (either with Mock CSP or DS Logon account)
  + Dashboard/Profile Page
  + Employment Center – verify link redirects to vets.gov
* Logout

## System Configuration

There are no new system configuration changes this release.

## Database Tuning

There are no database tuning steps required for this release.

# Back-Out Procedure

Back-Out pertains to a return to the last known good operational state of the software and appropriate platform settings.

## Back-Out Strategy

Vets.gov has only rarely had to back out a release from an environment. For the lower environments, the only reason to back out a release is if the entire release has been cancelled, or if the release is seriously affecting a partner system that depends on it. Issues with a release in the lower environments are logged as defect tickets and are corrected before the release goes into PROD.

For all lower environment, the time limits for either correcting the issue or backing out the release would depend on the criticality of the issue, schedule constraints, resource availability, and impact to partner systems due to the issue.

For LIVE PROD, the “go-live” event has a very tight window of time. The domain swap takes approximately 15-30 minutes, thus the swap back to the previous release takes the same amount of time. Our timeline documented in Section 3.1.3 accounts for all time constraints.

## Back-Out Considerations

Section 4.9 depicts the verification performed after a deployment and Section 5.5 provides information on who has the authority to direct a back-out.

### Load Testing

Load testing after an EVSS release back-out is not applicable to this release.

### User Acceptance Testing

UAT is not performed after a back-out. Rather, UAT is performed on our PINT1 or PINT2 environments after a successful deployment. Refer to Section 5.7 for back-out verification procedures.

## Back-Out Criteria

The back out is deemed successful upon completion of both mini-smoke testing by Release Management and OPS, and appropriate regression testing by the EVSS QA Team and/or VA business testers depending on environment.

## Back-Out Risks

The primary risk of a back-out is the impact to the release schedule as well as impact to our partners who depend on our deploying to our various environments as planned.

On rare occasions, we have changes to our database scheme that should not be backed out due to possible data corruption or application feature failure. If that risk exists, it will be documented in Section 5.6.1.

## Authority for Back-Out

As documented in Section 5.1, our VA Business stakeholders make the decision to revert a release domain swap on “go-live” day for production.

For Preproduction, the authority to back-out comes from the EVSS OIT PMs and EVSS contractor management.

For all other lower environments, the authority to back-out comes primarily from EVSS contractor management likely with consultation with EVSS OIT PMs, if necessary.

## Back-Out Procedure

### Back-Out Steps – Database Changes

#### Database - EBN – Back-Out Changes [Database Admin]

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **QA1** | **QA2** | **PINT1** | **PINT2** | | **PERF** | **DEMO** | **PREPROD** | | **PROD1** | **PROD2** |
| vaebndbs83 (EBNQ1) | vaebndbs83 (EBNQ1) | vaebndbs31 (EBNQ21) | vaebndbs31 (EBNQ21) | | vaebndbs600 (ESSD1) | vaebndbs601 (ESSC1) | vaebndbs41 (EBNY1) | vaebndbs20 (EBNP1) | | vaebndbs20 (EBNP1) |
| Step |  |  | | Action | | | | | | |
|  | **DBA-78:**  Use the zip downloaded in step 4.8.7.1 | | | | | | | | | |
|  | **DBA-78:** Using run\_wrapper.cmd, as the **EBN\_APP** user, execute:   * For all environments EXCEPT PERF:   + rollback\_dba\_78.sql * For PERF ONLY:   + rollback\_dba\_78\_PERF.sql * NOTE: No additional parameters required.   No down time required. | | | | | | | | | |
|  | **DBA-78:** Back-out script should not be executed after the R12.3 application deployment as the URL change is not backwards compatible. | | | | | | | | | |
|  | **DBA-85:**  Use the zip downloaded in step 4.8.7.1 | | | | | | | | | |
|  | **DBA-85:**Using run\_wrapper.cmd, as the **EBN\_APP** user, execute:   * For all environments:   + string\_val\_rollback\_dba\_85.sql * NOTE: No additional parameters required.   **ATTENTION: We cannot rollback this script if records are added and if the column length of STRING\_VAL increase beyond 250 char.** | | | | | | | | | |

#### Back-Out Changes [Database Admin]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **QA1** | **QA2** | **PINT1** | **PINT2** | **PERF** | **DEMO** | **PREPROD** | **PROD1** | **PROD2** |
| vasepdbs80 (SEPQA1) | vasepdbs80 (SEPQA1) | vasepdbs60 (SEPI1) | vasepdbs60 (SEPI1) | vaebndbs600 (ESSD1) | vaebndbs601 (ESSC1) | vaebndbs40 (SEPY1) | vasepdbs20 (SEPP1) | vasepdbs20 (SEPP1) |

## Back-out Verification Procedure

Back-out verification is the same as the Installation Verification Procedure described in Section 4.9. If a back-out of R12.3 (12.3.0) is required, the resulting version would be R12.2 (12.2.0).

# Rollback Procedure

Rollback pertains to data; rarely does an EVSS release change data in the database. For this release, there are no data changes.

## Rollback Considerations

Rollback is not applicable to this release.

## Rollback Criteria

Rollback is not applicable to this release.

## Rollback Risks

Rollback is not applicable to this release.

## Authority for Rollback

Rollback is not applicable to this release.

## Rollback Procedure

Rollback is not applicable to this release.

## Rollback Verification Procedure

Rollback is not applicable to this release.

Template Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| March 2016 | 2.2 | Changed the title from Installation, Back-Out, and Rollback Guide to Deployment and Installation Guide, with the understanding that Back-Out and Rollback belong with Installation. | VIP Team |
| February 2016 | 2.1 | Changed title from Installation, Back-Out, and Rollback Plan to Installation, Back-Out, and Rollback Guide as recommended by OI&T Documentation Standards Committee | OI&T Documentation Standards Committee |
| December 2015 | 2.0 | The OI&T Documentation Standards Committee merged the existing *“Installation, Back-Out, Rollback Plan”* template with the content requirements in the OI&T End-user Documentation Standards for a more comprehensive Installation Plan. | OI&T Documentation Standards Committee |
| February 2015 | 1.0 | Initial Draft | Lifecycle and Release Management |