

Medication Order Check Healthcare Application (MOCHA v2.1 Build B)

Deployment, Installation, Back-Out, and Rollback Guide



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Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the Department of Veterans Affairs (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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1. Introduction

This document describes how to deploy, install and back out the Medication Order Check Healthcare Application (MOCHA) v2.1 Build B, 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 Pharmacy Reengineering (PRE) project charter and management plan for this effort.

The software component will be updates to the Veterans Integrated Information Systems and Technology Architecture (VistA) system by a group of builds that is referenced in this Section 1 Introduction and will be referenced as MOCHA v2.1b hereafter for the remainder of this document. The enhancements will be developed in Massachusetts General Hospital Utility Multi-Programming System (MUMPS) and distributed as a group of builds from the National Patch Module. The software changes will be made in the following National Packages:

- Order Entry / Results Reporting, Namespace – OR
- Inpatient Medications, Namespace – PSJ
- Outpatient Pharmacy, Namespace – PSO
- Pharmacy Data Management, Namespace – PSS

Patches to be released are:

- OR*3*382
- OR*3*469
- PSJ*5*256
- PSJ*5*347
- PSO*7*402
- PSO*7*500
- PSS*1*178
- PSS*1*206

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how and when the MOCHA v2.1b will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. Appropriate communications planning should also be completed, as well as the training plan and the compliance scheduled. The plan also identifies the available resources dedicated to MOCHA v2.1b. No formal training is required for the release of these VistA patches. Specific instructions for installation, back-out, and rollback are included in this document.

1.2 Dependencies

A standard, functioning, recently patched legacy VistA system is required for this product.

1.3 Constraints

Installation and execution of the following application patches must be completed prior to the installation of MOCHA v2.1b:

- OR*3*269
- OR*3*350
- OR*3*421
- OR*3*457

- PSJ*5*227
- PSJ*5*315
- PSJ*5*331
- PSJ*5*333
- PSJ*5*337
- PSJ*5*338
- PSJ*5*346

- PSO*7*436
- PSO*7*444
- PSO*7*450
- PSO*7*455
- PSO*7*458
- PSO*7*486
- PSO*7*442

- PSS*1*180
- PSS*1*184
- PSS*1*195
- PSS*1*201

2. Roles and Responsibilities

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

ID	Team	Phase / Role	Tasks	Project Phase (See Schedule)
	Product Development (PD) Implementation Team	Deployment	Plan and schedule deployment (including orchestration with vendors)	Planning
	PD Implementation Team	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.	Planning
	Software Quality Assurance	Deployment	Test for operational readiness	Build
	Health Product Support	Deployment	Execute deployment	Release Prep Phase
	PD Implementation Team	Installation	Plan and schedule installation	Build Phase
	PD Team	Installation	Ensure authority to operate and that certificate authority security documentation is in place	
	PD Implementation Team / Pharmacy Benefits Management	Installations	Coordinate training	Release Prep Phase
	PD Implementation Team / Development Team	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Build Phase
	SDE Field Operations & Enterprise Operations	Post Deployment	Hardware, Software and System Support	Post Release

3. Deployment

The deployment of this release of MOCHA is planned as a national release of MOCHA v2.1b which includes the VistA patches identified in Section 1 of this document. This group of builds (MOCHA v2.1b) is the follow on of MOCHA v2.1a.

A detailed deployment schedule is stored in Rational Team Concert (RTC) for both the Initial Operation Capability (IOC) and National Deployment and is part of the master project schedule for MOCHA v2.1b. A link to the schedule is provided in Section 3.1 Timeline.

3.1 Timeline

The deployment and installation is scheduled to run for 30 days, as depicted in the master deployment schedule referenced below.

[MOCHA v2.1 Schedule](#)

3.2 Site Readiness Assessment

This section discusses the locations that will receive the MOCHA v2.1b deployment. Topology determinations are made by Enterprise Systems Engineering (ESE) and vetted by Field Office (FO), National Data Center Program (NDCP), and Austin Information Technology Center (AITC) during the design phase as appropriate. Field site coordination is done by FO unless otherwise stipulated by FO.

3.2.1 Deployment Topology (Targeted Architecture)

The package contents for MOCHA v2.1b will be distributed to the Information Resources Management (IRM) staff and/or Enterprise Service Line (ESL) Information Technology (IT) Support personnel responsible for each of the 130 VistA systems.

3.2.2 Site Information (Locations, Deployment, Recipients)

The MOCHA v2.1b deployment is planned to take place at all VA Medical Centers (VAMCs) and other VA medical facilities utilizing the Pharmacy Order Check products.

3.2.3 Site Preparation

As a precursor to the MOCHA v2.1b deployment, patch installation guides, and release notes will be distributed to the appropriate staff at each deployment site at the start of national deployment. Product Development and the business owner Pharmacy Benefits Management (PBM) will provide a brochure and/or a write up as training for MOCHA v2.1b prior to national deployment. Sites will be provided guidance on file setups prior to the start of deployment as appropriate.

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

Table 2: Site Preparation

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

3.3 Resources

Hardware, software, systems post-deployment support, and system support roles and responsibilities are defined in both the Project Operations and Maintenance Plan and the Operational Acceptance Plan.

3.3.1 Hardware

There are no specific hardware requirements for installation of MOCHA v2.1b as it runs on existing fielded VistA hardware. There is also no need for specific hardware to assist in the deployment of MOCHA v2.1b.

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

Table 3: Hardware Specifications

Required Hardware	Model	Version	Configuration	Manufacturer	Other
N/A	N/A	N/A	N/A	N/A	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.

3.3.2 Software

There are no specific software requirements for installation or deployment of MOCHA v2.1b.

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

Table 4: Software Specifications

Required Software	Make	Version	Configuration	Manufacturer	Other
N/A	N/A	N/A	N/A	N/A	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.

3.3.3 Communications

Prior to the deployment of the MOCHA v2.1b release, a product announcement will be sent via email to current Points Of Contact (POC) on record for each site describing the product and a brief description of the phased deployment and post-deployment support. Included will be links to the MOCHA v2.1b website and Rational site pages which contain further information about the release and the deployment, including the deployment schedule and required pre-installation activities.

The MOCHA v2.1b Implementation Team will respond to email requests for assistance and/or further information and, where appropriate, re-direct these requests to specialist technical staff.

3.3.3.1 Deployment/Installation/Back-Out Checklist

Tracking of installation for MOCHA v2.1b VistA patches will be monitored in FORUM.

Table 5: Deployment/Installation/Back-Out Checklist

Activity	Day	Time	Individual who completed task
Deploy			
Install			
Back-Out			

4. Installation

4.1 Pre-installation and System Requirements

The patches described in this installation guide can only be run with a standard Massachusetts General Hospital Utility Multi-Programming System (MUMPS) operating system and require the following VA software packages.

Table 6: System Requirements

Package	Minimum Version Needed
Pharmacy Data Management	1.0
VA FileMan	22.0
Kernel	8.0
HealtheVet Web Services Client (HWSC)	1.0
Outpatient Pharmacy	7.0
Inpatient Medications	5.0
Order Entry/Results Reporting	3.0

Please see Section 1.3 above for a list of specific application patches which must be installed prior to installing this group of builds.

4.2 Platform Installation and Preparation

This group of patches should be installed when Pharmacy applications are not in use, no other pharmacy patches are being installed, and when tasked jobs from Clinical Applications are not running.

Installation should also occur when CPRS usage is at a minimum, particularly medication activities.

***** Notice *****

This group of patches should not be installed until the follow on patch PSO*7.0*515 has been released and is ready to be immediately installed. PSO*7.0*515 must be installed immediately after the successful installation of this group of builds.

***** Notice *****

Installation of this group of patches should take no longer than 15 minutes.

4.3 Download and Extract Files

The distribution files for this group of builds can be obtained from the ANONYMOUS.SOFTWARE directory at one of the OI Field Offices. The preferred method is to FTP the file from DOWNLOAD.VISTA.MED.VA.GOV, which will transmit the file from the first available server. Alternatively, sites may elect to retrieve the file from a specific OI Field Office.

<u>OI FIELD OFFICE</u>	<u>FTP ADDRESS</u>	<u>DIRECTORY</u>
Hines	FTP.FO-HINES.MED.VA.GOV	anonymous.software
Salt Lake City	FTP.FO-SLC.MED.VA.GOV	anonymous.software

The MOCHA 2.1b ENHANCEMENTS software distribution includes:

Table 7: MOCHA 2.1b Enhancements

File Name	Contents	Retrieval Format
PSS_1_178.KID	PSS*1.0*178	ASCII
MOCHA_2_1_PSO_OR_P SJ_ BUILD.KID	PSJ*5.0*256 PSO*7.0*402 OR*3.0*382	ASCII
PSS_1_206.KID	PSS*1.0*206	ASCII
MOCHA_2_1_FOLLOW_UP_ PSO_OR_P SJ.KID	PSO*7.0*500 OR*3.0*469 PSJ*5.0*347	ASCII

4.4 Database Creation

N/A

4.5 Installation Scripts

N/A

4.6 Cron Scripts

N/A

4.7 Access Requirements and Skills Needed for the Installation

Programmer-level VistA access and experience using the Kernel Integrated Distribution System (KIDS) is required.

4.8 Installation Procedure

4.8.1 Overview

Builds for MOCHA 2.1b must be installed in the sequence below. They must be installed in their entirety and the sequence must be completed. If you cannot or do not successfully complete the entire sequence you must back out what you have completed or rollback to the condition before the sequence began.

We strongly recommend you make a KIDS backup of every step prior to making that step. This will preserve any potential local modifications you may have and make a back out possible, if needed. If you do not make backups, if there is an issue with the install, you will have to roll back the entire process. You must enter a CA ticket for Health Product Support Pharmacy Data Management to obtain rollback builds and support.

4.8.1.1 Checksum Discrepancies in Patch Descriptions

The 'Before' checksum values for ALL routines in patch **PSS*1.0*206** will appear incorrect in the patch description. This is because they are components of the preceding patch PSS*1.0*178 which is also part of the MOCHA 2.1b group of builds. The FORUM Patch Module uses released checksum values to populate the 'Before' fields. The FORUM Patch Module does not have access to the actual 'Before' checksum values since PSS*1.0*178 will be released at the same time.

The 'Before' checksum values for routines PSOBKDE1, PSODEM, PSODOSUN, PSOORED5, PSOORUT2, PSORXEDT, PSOSIG, and PSOVER1 in patch **PSO*7.0*500** will appear incorrect in the patch description. This is because they are components of the preceding patch PSO*7.0*402 which is also part of the MOCHA 2.1b group of builds. The FORUM Patch Module uses released checksum values to populate the 'Before' fields. The FORUM Patch Module does not have access to the actual 'Before' checksum values since PSO*7.0*402 will be released at the same time.

The 'Before' checksum values for routines PSGOD, PSGOER, PSGOEV, PSGS0, PSGSICHK, PSIVOCDS, PSIVSP, PSJLIFNI, and PSJOCDS in patch **PSJ*5.0*347** will appear incorrect in the patch description. This is because they are components of the preceding patch PSJ*5.0*256 which is also part of the MOCHA 2.1b group of builds. The FORUM Patch Module uses released checksum values to populate the 'Before' fields. The FORUM Patch Module does not have access to the actual 'Before' checksum values since PSJ*5.0*256 will be released at the same time.

4.9 Sequence of Install

The following table lists the sequence of installation for MOCHA 2.1b.

Table 8: MOCHA 2.1b Install Sequence

Sequence Order	Title	Transport File
1	PSS*1.0*178	PSS_1_178.KID
2	MOCHA Combined Build 1.0 (Contains: PSJ*5.0*256, PSO*7.0*402 and OR*3.0*382)	MOCHA_2_1_PSO_OR_PSJ_BUILD.KID
3	PSS*1.0*206	PSS_1_206.KID
4	MOCHA Combined Follow Up Build 1.0 (Contains: PSO*7.0*500, OR*3.0*469, and PSJ*5.0*347)	MOCHA_2_1_FOLLOW_UP_PSO_OR_PSJ.KID

4.9.1 Procedure

The following procedure needs to be implemented for each specific build in the sequence order listed above.

1. Use **Load a Distribution**. You may need to prepend a directory name which corresponds to where .KID files have been stored on your system. When prompted for “**Enter a Host File:**” enter the transport file for the sequence that you are installing.

Examples: USER\$:[ABC]PSS_1_178.KID

USER\$:[ABC]MOCHA_2_1_PSO_OR_PSJ.KID

USER\$:[ABC]PSS_1_206.KID

USER\$:[ABC]MOCHA_2_1_FOLLOW_UP_PSO_OR_PSJ.KID

2. From this menu, you may then select to use the following options:
 - a. **Verify Checksums in Transport Global** - This option will allow you to ensure the integrity of the routines that are in the transport global.
 - b. **Print Transport Global** - This option will allow you to view the components of the KIDS build.
 - c. **Compare Transport Global to Current System** - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DD's, templates, etc.).
 - d. **Backup a Transport Global** - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
3. Select the Installation option ‘**Install Package(s)**’. This is the step to start the installation of this KIDS patch:

4. Choose the Install Package(s) option to start the patch install and enter the package name you have previously loaded at the **INSTALL NAME** prompt.
 - a. When prompted '**Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//**', answer **NO**.
 - b. When prompted '**Want KIDS to INHIBIT LOGONs during the install? NO//**' answer **NO**.
 - c. When prompted '**Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//**' answer **NO**.
 - d. When prompted '**Delay Install (Minutes): (0-60): 0//**' press the Enter key.

4.9.2 Install Examples

For Install Examples please see [Appendix A](#) in this document.

4.10 Installation Verification Procedure

Install verification can be done by using the following VistA option to verify the status of the install is complete.

Select Kernel Installation & Distribution System Option: Utilities

```
Build File Print
Install File Print
Edit Install Status
Convert Loaded Package for Redistribution
Display Patches for a Package
Purge Build or Install Files
Rollup Patches into a Build
Update Routine File
Verify a Build
Verify Package Integrity
```

```
Select Utilities Option: Install File Print
Select INSTALL NAME: PSS*1.0*178
DEVICE: HOME//
```

```
PACKAGE: PSS*1.0*178    MONTH DAY, YEAR@TIME    PAGE 1
                        COMPLETED    ELAPSED
```

```
STATUS: Install Completed    DATE LOADED: MONTH DAY, YEAR@TIME
```

```
Select Utilities Option: Install File Print
Select INSTALL NAME: MOCHA 2.1 COMBINED BUILD 1.0
DEVICE: HOME//
```

Review the install file build for this patch to ensure the eight file entry modifications executed properly. If any of the eight updates indicate anything other than 'PASSED' enter a CA ticket for Health Product Support Pharmacy Benefits Management for assistance. These would be minor data issues so you may continue installing the remainder of the builds in the sequence.

PACKAGE: MOCHA 2.1 COMBINED BUILD 1.0 MONTH DAY, YEAR@TIME PAGE 1
COMPLETED ELAPSED

STATUS: Install Completed DATE LOADED: MONTH DAY, YEAR@TIME

Select Utilities Option: Install File Print
Select INSTALL NAME: PSS*1.0*206
DEVICE: HOME//

PACKAGE: PSS*1.0*206 MONTH DAY, YEAR@TIME PAGE 1
COMPLETED ELAPSED

STATUS: Install Completed DATE LOADED: MONTH DAY, YEAR@TIME

Select Utilities Option: Install File Print
Select INSTALL NAME: MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0
DEVICE: HOME//

PACKAGE: MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 MONTH DAY,
YEAR@TIME PAGE 1
COMPLETED ELAPSED

STATUS: Install Completed DATE LOADED: MONTH DAY, YEAR@TIME

4.11 System Configuration

N/A

4.12 Database Tuning

N/A



Note: Installation of MOCHA 2.1b is completed. The following procedure is to be followed only if MOCHA 2.1b needs to be backed out.

5. Rollback Procedure / Back-Out Procedure

The last section of this document is only needed **if there are major problems (examples include; KIDS notice of incompleteness or hard errors)** resulting from the installation of this group of patches. You must have concurrence from the Health Product Support before a rollback can occur. Enter a CA ticket to obtain this concurrence. The terms 'Rollback' and 'Back-Out' are synonymous for the purposes of this group of builds. Rollback is an 'all or nothing' exercise as all portions of the group of builds interact with each other.

5.1 Rollback / Back-Out Considerations

This rollback should occur when Pharmacy applications are not in use, no other pharmacy patches are being installed and when tasked jobs from Clinical Applications are not running.

Rollback should also occur when CPRS usage is at a minimum, particularly medication activities.

The rollback procedure should take no longer than 25 minutes.

5.2 Rollback / Back-Out Criteria

Make sure you have the following software available for the rollback:

1. Routine backup from the initial PSS*1.0*178 installation at your facility.
2. Routine backup from the initial MOCHA 2.1b COMBINED BUILD installation at your facility.
3. Routine backup from the initial PSS*1.0*206 installation at your facility.
4. Routine backup from the initial MOCHA 2.1b COMBINED FOLLOW UP BUILD installation at your facility.

Rollback Builds are available from Health Product Support if local routine back-ups are not available.

5. XXPSS*1*178 (must be obtained from Health Product Support)
6. XXMOCHA 2.1 COMBINED BUILD 1.0 (must be obtained from Health Product Support)

5.3 Authority for Rollback / Back-Out

The rollback procedure for these patches should only occur when there is concurrence from the Health Product Support and MOCHA development teams, because of the complexity and risk involved in a rollback. Normal installation back-ups using KIDS will back up only Mumps routines. Make sure the 'Backup a Transport Global' step outlined in Section 4, Installation, of this document is followed, so you do have a backup of all the routines if needed.

5.4 Rollback / Back-Out Procedure

5.4.1 Overview

The rollback / back-out procedure must proceed in the inverse order of the installation. You must use your backups created during installation or obtain rollback builds from Health Product

Support to proceed. There are additional steps required for the rollback sequence (removing new routines) than exist for the installation sequence. There are no data conversions or rollback issues to be considered with this group of builds.

***Note - If local backups were generated as recommended upon installation of the builds and the rollback plan is to restore from local backups, see Appendix B, Section 7.6, for an example of restoration from PACKMAN.

5.4.2 Sequence of Rollback

The following table lists the Rollback sequence for MOCHA 2.1b.

Table 9: MOCHA 2.1b Rollback Sequence

Sequence Order	Title	Transport File
1	Combined Follow Up Build	MOCHA_2_1_RESTORE_FOLLOW_UP.KID
2	PSS*1.0*206	This sequence is covered in sequence 4. There is nothing to do at this sequence. PSS*1*178 restore build will recover the PSS*1*206 routines.
3	Combined Build	MOCHA_2_1_RESTORE_PSO_OR_PSI.KID
4	PSS*1.0*178	PSS_BEFORE_MOCHA_2_1_B.KID
5	XXPSS*1*178	XXPSS_1_178.KID
6	XXMOCHA 2.1 COMBINED BUILD 1.0	XXMOCHA_2_1_PSO_OR_PSI.KID

5.4.2.1 Combined Follow Up Build

Restore routine backup from the MOCHA_2_1_FOLLOW_UP_PSO_OR_PSI.KID install. If you do not have one, the Health Product Support team can supply one.

If you used the standard KIDS backup procedure prior to installing the MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0, and took the default name from KIDS for the back-up, the back-up would be called 'Backup of MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0'.

***NOTE - If for some reason the above build was installed **multiple times**, make sure you restore the back up from the **first install**.

***NOTE - If you did not attempt to install the Combined Follow Up Build, you may skip this step.

5.4.2.2 PSS*1.0*206

This restoration is covered by the PSS*1.0*178 rollback.

5.4.2.3 Combined Build

Restore the routine backup from the MOCHA_2_1_PSO_OR_PSI_BUILD.KID install. If you do not have one, the Health Product Support team can supply one.

If you used the standard KIDS backup procedure prior to installing the MOCHA 2.1 COMBINED BUILD 1.0, and took the default name from KIDS for the back-up, the back-up would be called 'Backup of MOCHA 2.1 COMBINED BUILD 1.0'.

***NOTE - If for some reason the above build was installed **multiple times**, make sure you restore the back up from the **first install**.

***NOTE - If you did not attempt to install the Combined Build, you may skip this step.

5.4.2.4 PSS*1.0*178

Restore the routine backup from the PSS_1_178.KID install. If you do not have one, the Health Product Support team can supply one.

If you used the standard KIDS backup procedure prior to installing the PSS*1.0*178, and took the default name from KIDS for the back-up, the back-up would be called 'Backup of PSS*1.0*178'.

***NOTE - If for some reason the above build was installed **multiple times**, make sure you restore the back up from the **first install**.

5.4.2.5 XXPSS*1*178

This build will delete eight new routines, listed below, that were installed with PSS*1.0*178 for MOCHA 2.1b.


- PSS1P178
- PSSDSEX
- PSSDSEXE
- PSSDSUTA
- PSSHRQ24
- PSSHRQ25
- PSSHRQ2D
- PSSSCHMS

Contact Health Product Support to obtain a copy of this build.

- a. Download **XXPSS_1_178.KID** into your local directory.
- b. From the Kernel Installation and Distribution System (KIDS) Menu, select the Installation menu.
- c. Use **Load a Distribution**. You may need to prepend a directory name. When prompted for "Enter a Host File:", respond with **XXPSS_1_178.KID**.

```
Example: USER$:[ABC]XXPSS_1_178.KID
```

- d. From this menu, you may then select to use the following options:

Note:	The following are OPTIONAL - (When prompted for the INSTALL NAME, enter XXPSS*1.0*178).
	

- **Verify Checksums in Transport Global** - This option will allow you to ensure the integrity of the routines that are in the transport global.
 - **Print Transport Global** - This option will allow you to view the components of the KIDS build.
 - **Compare Transport Global to Current System** - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DD's, templates, etc.).
 - **Backup a Transport Global** - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
- e. Select the Installation option '**Install Package(s)**'. This is the step to start the installation of this KIDS patch:
- Choose the Install Package(s) option to start the patch install and enter the package name you have previously loaded at the **INSTALL NAME** prompt.
 - When prompted '**Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//**', answer **NO**.
 - When prompted '**Want KIDS to INHIBIT LOGONs during the install? NO//**' answer **NO**.
 - When prompted '**Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//**' answer **NO**.
 - When prompted '**Delay Install (Minutes): (0-60): 0//**' press the Enter key.

NOTE: See [Appendix B](#) for Rollback examples.

5.4.2.6 XXMOCHA 2.1 COMBINED BUILD 1.0

This build will delete two new routines, see the list below, that were installed with MOCHA 2.1 COMBINED BUILD 1.0 for MOCHA 2.1b.

- PSO7P402
- PSODOSU4

Download **XXMOCHA_2_1_PSO_OR_PSJ.KID** into your local directory.

- a. From the Kernel Installation and Distribution System (KIDS) Menu, select the Installation menu.
- b. Use **Load a Distribution**. You may need to prepend a directory name. When prompted for "Enter a Host File:", respond with **XXMOCHA_2_1_PSO_OR_PSJ.KID**.

Example: USER\$:[ABC]XXMOCHA_2_1_PSO_OR_PSJ.KID

- c. From this menu, the following four options may be executed, but are not required:

- **Verify Checksums in Transport Global** - This option will allow you to ensure the integrity of the routines that are in the transport global.
 - **Print Transport Global** - This option will allow you to view the components of the KIDS build.
 - **Compare Transport Global to Current System** - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DD's, templates, etc.).
 - **Backup a Transport Global** - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
- d. Select the Installation option '**Install Package(s)**'. This is the step to start the installation of this KIDS patch:
- **Choose the Install Package(s) option to start the patch install and enter the package name you have previously loaded at the INSTALL NAME prompt.**
 - When prompted '**Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//**', answer **NO**.
 - When prompted '**Want KIDS to INHIBIT LOGONs during the install? NO//**' answer **NO**.
 - When prompted '**Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//**' answer **NO**.
 - When prompted '**Delay Install (Minutes): (0-60): 0//**' press the Enter key.

NOTE: See [Appendix B](#) for Rollback examples.

5.5 Rollback / Back-Out Verification Procedure

To verify that the Rollback procedure has been successfully completed, use the Install File Print option as shown below to verify that all the rollback builds have been installed.

Select Kernel Installation & Distribution System Option: Utilities

```
Build File Print
Install File Print
Edit Install Status
Convert Loaded Package for Redistribution
Display Patches for a Package
Purge Build or Install Files
Rollup Patches into a Build
Update Routine File
Verify a Build
Verify Package Integrity
```

Select Utilities Option: Install File Print

Select INSTALL NAME: **XXPSS*1.0*178**

DEVICE: HOME//

PACKAGE: XXPSS*1.0*178 MONTH DAY, YEAR@TIME

PAGE 1

COMPLETED ELAPSED

STATUS: Install Completed

DATE LOADED: MONTH DAY, YEAR@TIME

Select INSTALL NAME: **XXMOCHA 2.1 COMBINED BUILD 1.0**

DEVICE: HOME//

PACKAGE: XXMOCHA 2.1 COMBINED BUILD 1.0 MONTH DAY, YEAR@TIME

PAGE 1

COMPLETED ELAPSED

STATUS: Install Completed

DATE LOADED: MONTH DAY, YEAR@TIME

Select INSTALL NAME: **Backup of PSS*1.0*178**

DEVICE: HOME//

PACKAGE: Backup of PSS*1.0*178 MONTH DAY, YEAR@TIME

PAGE 1

COMPLETED ELAPSED

STATUS: Install Completed

DATE LOADED: MONTH DAY, YEAR@TIME

Select INSTALL NAME: **Backup of MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0**

DEVICE: HOME//

PACKAGE: Backup of MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 MONTH DAY,
YEAR@TIME

PAGE 1

COMPLETED ELAPSED

STATUS: Install Completed

DATE LOADED: MONTH DAY, YEAR@TIME

Select INSTALL NAME: **Backup of MOCHA 2.1 COMBINED BUILD 1.0**

DEVICE: HOME//

PACKAGE: Backup of MOCHA 2.1 COMBINED BUILD 1.0 MONTH DAY, YEAR@TIME

PAGE 1

COMPLETED ELAPSED

STATUS: Install Completed

DATE LOADED: MONTH DAY, YEAR@TIME

6. Appendix A: Install Examples

6.1 PSS*1*178 Install Example

Select OPTION NAME: Kernel Installation & Distribution System

```
Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...
```

Select Kernel Installation & Distribution System Option: Installation

```
1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution
```

Select Installation Option: Load a Distribution

Enter a Host File: USER\$:[ABC]PSS_1_178.KID

KIDS Distribution saved on MONTH DAY, YEAR@TIME

Comment: PSS*1*178

This Distribution contains Transport Globals for the following Package(s):
PSS*1*178

OK to continue with Load? NO// YES

Distribution OK!

Want to Continue with Load? YES//

Loading Distribution...

Build PSS*1.0*178 has an Environmental Check Routine

Want to RUN the Environment Check Routine? YES//

PSS*1.0*178

Will first run the Environment Check Routine, PSS1P178

Use INSTALL NAME: PSS*1.0*178 to install this Distribution.

```
1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution
```

Select Installation Option: Install Package(s)

Select INSTALL NAME: PSS*1.0*178 MONTH DAY, YEAR@TIME

=> PSS*1*178 ;Created on MONTH DAY, YEAR@TIME

This Distribution was loaded on MONTH DAY, YEAR@TIME with header of

PSS*1*178 ;Created on MONTH DAY, YEAR@TIME

It consisted of the following Install(s):

```

PSS*1.0*178
Checking Install for Package PSS*1.0*178
Will first run the Environment Check Routine, PSS1P178

Install Questions for PSS*1.0*178

Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//
-----
-
  Install Started for PSS*1.0*178 :
      MONTH DAY, YEAR@TIME

Build Distribution Date: MONTH DAY, YEAR

  Installing Routines:
      MONTH DAY, YEAR@TIME

  Running Post-Install Routine: POST^PSS1P178

Now running Dose Unit and Dose Unit Conversion File updates...

Update 1 of 8 PASSED
Update 2 of 8 PASSED
Update 3 of 8 PASSED
Update 4 of 8 PASSED
Update 5 of 8 PASSED
Update 6 of 8 PASSED
Update 7 of 8 PASSED
Update 8 of 8 PASSED

-- UPDATE COMPLETE --
  Updating Routine file...

  Updating KIDS files...

PSS*1.0*178 Installed.
      MONTH DAY, YEAR@TIME

Install Completed

```

6.2 MOCHA 2.1b COMBINED BUILD Install Example

Select OPTION NAME: Kernel Installation & Distribution System

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Select Installation Option: Load a Distribution

Enter a Host File: USER\$:[ABC]MOCHA_2_1_PSO_OR_P SJ.KID

KIDS Distribution saved on MONTH DAY, YEAR@TIME

Comment: MOCHA 2.1 COMBINED BUILD 1.0

This Distribution contains Transport Globals for the following Package(s):

Build MOCHA 2.1 COMBINED BUILD 1.0

PSO*7.0*402

OR*3.0*382

PSJ*5.0*256

OK to continue with Load? NO// YES

Distribution OK!

Want to Continue with Load? YES//

Loading Distribution...

MOCHA 2.1 COMBINED BUILD 1.0

Build PSO*7.0*402 has an Environmental Check Routine

Want to RUN the Environment Check Routine? YES//

PSO*7.0*402

Will first run the Environment Check Routine, PSO7P402

OR*3.0*382

PSJ*5.0*256

Use INSTALL NAME: MOCHA 2.1 COMBINED BUILD 1.0 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Select Installation Option: Install Package(s)

Select INSTALL NAME: MOCHA 2.1 COMBINED BUILD 1.0 MONTH DAY, YEAR@TIME

=> MOCHA 2.1 COMBINED BUILD 1.0 ;Created on MONTH DAY, YEAR@TIME

This Distribution was loaded on MONTH DAY, YEAR@TIME with header of

MOCHA 2.1 COMBINED BUILD 1.0 ;Created on MONTH DAY, YEAR@TIME

It consisted of the following Install(s):

MOCHA 2.1 COMBINED BUILD 1.0 PSO*7.0*402 OR*3.0*382 PSJ*5.0*256

Checking Install for Package MOCHA 2.1 COMBINED BUILD 1.0

Install Questions for MOCHA 2.1 COMBINED BUILD 1.0

Checking Install for Package PSO*7.0*402
Will first run the Environment Check Routine, PS07P402

Install Questions for PSO*7.0*402

Checking Install for Package OR*3.0*382

Install Questions for OR*3.0*382

Checking Install for Package PSJ*5.0*256

Install Questions for PSJ*5.0*256

Want KIDS to INHIBIT LOGONS during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME//

-

Install Started for MOCHA 2.1 COMBINED BUILD 1.0 :
MONTH DAY, YEAR@TIME

Build Distribution Date: MONTH DAY, YEAR

Installing Routines:
MONTH DAY, YEAR@TIME

Install Started for PSO*7.0*402 :
MONTH DAY, YEAR@TIME

Build Distribution Date: MONTH DAY, YEAR

Installing Routines:
MONTH DAY, YEAR@TIME

Updating Routine file...

Updating KIDS files...

PSO*7.0*402 Installed.
MONTH DAY, YEAR@TIME

Not a production UCI

NO Install Message sent

Install Started for OR*3.0*382 :
MONTH DAY, YEAR@TIME

Build Distribution Date: MONTH DAY, YEAR

Installing Routines:
MONTH DAY, YEAR@TIME

```
Updating Routine file...

Updating KIDS files...

OR*3.0*382 Installed.
      MONTH DAY, YEAR@TIME

Not a production UCI

NO Install Message sent

Install Started for PSJ*5.0*256 :
      MONTH DAY, YEAR@TIME

Build Distribution Date: MONTH DAY, YEAR

Installing Routines:
      MONTH DAY, YEAR@TIME

Updating Routine file...

Updating KIDS files...

PSJ*5.0*256 Installed.
      MONTH DAY, YEAR@TIME

Not a production UCI

NO Install Message sent

Updating Routine file...

Updating KIDS files...

MOCHA 2.1 COMBINED BUILD 1.0 Installed.
      MONTH DAY, YEAR@TIME

No link to PACKAGE file

Install Completed
```

6.3 PSS*1.0*206 Install Example

Select OPTION NAME: Kernel Installation & Distribution System

```
Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...
```

Select Kernel Installation & Distribution System Option: Installation

```
1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution
```

Select Installation Option: Load a Distribution

Enter a Host File: USER\$:[ABC]PSS_1_206.KID

KIDS Distribution saved on MONTH DAY, YEAR@TIME

Comment: PSS*1.0*206

This Distribution contains Transport Globals for the following Package(s):

PSS*1.0*206

Distribution OK!

Want to Continue with Load? YES//

Loading Distribution...

PSS*1.0*206

Use INSTALL NAME: PSS*1.0*206 to install this Distribution.

```
1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution
```

Select Installation Option: Install Package(s)

Select INSTALL NAME: PSS*1.0*206 MONTH DAY, YEAR@TIME

=> PSS*1.0*206 ;Created on MONTH DAY, YEAR@TIME

This Distribution was loaded on MONTH DAY, YEAR@TIME with header of

PSS*1.0*206 ;Created on MONTH DAY, YEAR@TIME

It consisted of the following Install(s):

PSS*1.0*206

Checking Install for Package PSS*1.0*206

Install Questions for PSS*1.0*206

Want KIDS to INHIBIT LOGONS during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME//

-

Install Started for PSS*1.0*206 :
MONTH DAY, YEAR@TIME

Build Distribution Date: MONTH DAY, YEAR

Installing Routines:
MONTH DAY, YEAR@TIME

Updating Routine file...

Updating KIDS files...

PSS*1.0*206 Installed.
MONTH DAY, YEAR@TIME

Not a production UCI

Install Completed

6.4 MOCHA 2.1B COMBINED FOLLOW UP BUILD Install Example

Select OPTION NAME: Kernel Installation & Distribution System

```
Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...
```

Select Kernel Installation & Distribution System Option: Installation

```
1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution
```

Select Installation Option: Load a Distribution

Enter a Host File: USER\$:[ABC]MOCHA_2_1_FOLLOW_UP_PSO _OR_PSJ.KID

KIDS Distribution saved on MONTH DAY, YEAR@TIME
Comment: PSO*500, PSJ*347, OR*469 from [dosp] ON 1/4/18

This Distribution contains Transport Globals for the following Package(s):
PSO*7.0*500, PSJ*5.0*347, OR*3.0*469
Distribution OK!

Want to Continue with Load? YES//
Loading Distribution...

PSO*7.0*500

Use INSTALL NAME:

MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 to install this Distribution.

```
1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
      Restart Install of Package(s)
      Unload a Distribution
```

Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)

Select INSTALL NAME: MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0

=> PSO*500, PSJ*347, OR*469 from [dosp] ON 1/4/18 ;Created on Jan 04, 20

This Distribution was loaded on Jan 04, 2018@14:23:44 with header of
PSO*500, PSJ*347, OR*469 from [dosp] ON 1/4/18 ;Created on Jan 04,
2018@13:4

8:28

It consisted of the following Install(s):

MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 PSO*7.0*500 PSJ*5.0*347
OR*3.0*469

Checking Install for Package MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0

Install Questions for MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0

Checking Install for Package PSO*7.0*500

Install Questions for PSO*7.0*500

Checking Install for Package PSJ*5.0*347

Install Questions for PSJ*5.0*347

Checking Install for Package OR*3.0*469

Install Questions for OR*3.0*469

Want KIDS to INHIBIT LOGONS during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME// Linux Telnet /SSh

-

Install Started for MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 :

MONTH DAY, YEAR@TIME

Build Distribution Date: Jan 04, 2018

Installing Routines:

MONTH DAY, YEAR@TIME

Install Started for PSO*7.0*500 :

MONTH DAY, YEAR@TIME

Build Distribution Date: Jan 04, 2018

Installing Routines:

MONTH DAY, YEAR@TIME

Updating Routine file...

Updating KIDS files...

PSO*7.0*500 Installed.

MONTH DAY, YEAR@TIME

Not a production UCI

NO Install Message sent

Install Started for PSJ*5.0*347 :

MONTH DAY, YEAR@TIME

Build Distribution Date: Jan 04, 2018

Installing Routines:

MONTH DAY, YEAR@TIME

Updating Routine file...

Updating KIDS files...

PSJ*5.0*347 Installed.

MONTH DAY, YEAR@TIME

Not a production UCI

NO Install Message sent

Install Started for OR*3.0*469 :

MONTH DAY, YEAR@TIME

Build Distribution Date: Jan 04, 2018

Installing Routines:

MONTH DAY, YEAR@TIME

Updating Routine file...

Updating KIDS files...

OR*3.0*469 Installed.

MONTH DAY, YEAR@TIME

Not a production UCI

NO Install Message sent

Updating Routine file...

Updating KIDS files...

MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 Installed.

MONTH DAY, YEAR@TIME

No link to PACKAGE file

Install Completed

7. Appendix B: Rollback Examples

7.1 Follow Up Rollback Example

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution

Enter a Host File: ??

Enter a filename and/or path to input Distribution.

Enter a Host File: USER\$:[ABC]MOCHA_2_1_RESTORE_FOLLOW_UP.KID

KIDS Distribution saved on Feb 08, 2018@10:19:41

Comment: MOCHA 2.1B RESTORE FOLLOW UP PSO OR PSJ (2.8.18)

This Distribution contains Transport Globals for the following Package(s):

 RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B

Distribution OK!

Want to Continue with Load? YES//

Loading Distribution...

 RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B

Use INSTALL NAME: RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Select Installation <TEST ACCOUNT> Option: INSTAll Package(s)
Select INSTALL NAME: RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B 2/8/18@10:21:
29

=> MOCHA 2.1B RESTORE FOLLOW UP PSO OR PSJ (2.8.18) ;Created on Feb 08,

This Distribution was loaded on Feb 08, 2018@10:21:29 with header of
MOCHA 2.1B RESTORE FOLLOW UP PSO OR PSJ (2.8.18) ;Created on Feb 08, 2018@10:
:19:41

It consisted of the following Install(s):

RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B

Checking Install for Package RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B

Install Questions for RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME// Linux Telnet /SSh

RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B

Install Started for RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B :

Feb 08, 2018@10:22:24

Build Distribution Date: Feb 08, 2018

Installing Routines:

Feb 08, 2018@10:22:25

Updating Routine file...

Updating KIDS files...

RESTORE FOLLOW UP PSO OR PSJ MOCHA 2.1B Installed.

Feb 08, 2018@10:22:25

No link to PACKAGE file

NO Install Message sent

```
-----+-----+
| 100% | 25 50 75 |
|-----+-----+
Complete
```

Install Completed

7.2 Combined Build Rollback Example

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
- Restart Install of Package(s)
- Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution

Enter a Host File: USER\$:[ABC]PSO_OR_P SJ_BEFORE_MOCHA_2_1_B.KID

KIDS Distribution saved on Sep 28, 2017@12:37:27

Comment: PSO OR PSJ BEFORE MOCHA 2.1B (9.28.17)

This Distribution contains Transport Globals for the following Package(s):

PSO OR PSJ BEFORE MOCHA 2.1B

Distribution OK!

Want to Continue with Load? YES//

Loading Distribution...

PSO OR PSJ BEFORE MOCHA 2.1B

Use INSTALL NAME: PSO OR PSJ BEFORE MOCHA 2.1B to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global

- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)

Select INSTALL NAME: PSO OR PSJ BEFORE MOCHA 2.1B 9/29/17@10:55:35

 => PSO OR PSJ BEFORE MOCHA 2.1B (9.28.17) ;Created on Sep 28, 2017@12:37

This Distribution was loaded on Sep 29, 2017@10:55:35 with header of

 PSO OR PSJ BEFORE MOCHA 2.1B (9.28.17) ;Created on Sep 28, 2017@12:37:27

 It consisted of the following Install(s):

PSO OR PSJ BEFORE MOCHA 2.1B

Checking Install for Package PSO OR PSJ BEFORE MOCHA 2.1B

Install Questions for PSO OR PSJ BEFORE MOCHA 2.1B

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.

DEVICE: HOME// ;;99999 HOME (CRT)

Install Started for PSO OR PSJ BEFORE MOCHA 2.1B :

 Sep 29, 2017@10:56:31

Build Distribution Date: Sep 28, 2017

Installing Routines:

 Sep 29, 2017@10:56:31

Updating Routine file...

Updating KIDS files...

PSO OR PSJ BEFORE MOCHA 2.1B Installed.

Sep 29, 2017@10:56:31

No link to PACKAGE file

Install Completed

7.3 PSS*1*178 Rollback Example

Select OPTION NAME: XPD MAIN Kernel Installation & Distribution System

Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: INStallation

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution

Enter a Host File: /home/sftp/patches/PSS_BEFORE_MOCHA_2_1_B.KID

KIDS Distribution saved on Sep 28, 2017@12:29:52

Comment: PSS BEFORE MOCHA 2.1B (9.28.17)

This Distribution contains Transport Globals for the following Package(s):

PSS BEFORE MOCHA 2.1B

Distribution OK!

Want to Continue with Load? YES//

Loading Distribution...

PSS BEFORE MOCHA 2.1B

Use INSTALL NAME: PSS BEFORE MOCHA 2.1B to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 5 Backup a Transport Global

Select INSTALL NAME: PSS BEFORE MOCHA 2.1B 9/29/17@10:53:18

=> PSS BEFORE MOCHA 2.1B (9.28.17) ;Created on Sep 28, 2017@12:29:52

This Distribution was loaded on Sep 29, 2017@10:53:18 with header of

PSS BEFORE MOCHA 2.1B (9.28.17) ;Created on Sep 28, 2017@12:29:52

It consisted of the following Install(s):

PSS BEFORE MOCHA 2.1B

Subject: Backup of PSS BEFORE MOCHA 2.1B install on Sep 29, 2017

Replace

Loading Routines for PSS BEFORE MOCHA 2.1B.....

Send mail to: USER,USER//

Select basket to send to: IN//

And Send to:

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 6 Install Package(s)

Select INSTALL NAME: PSS BEFORE MOCHA 2.1B 9/29/17@10:53:18

=> PSS BEFORE MOCHA 2.1B (9.28.17) ;Created on Sep 28, 2017@12:29:52

This Distribution was loaded on Sep 29, 2017@10:53:18 with header of
PSS BEFORE MOCHA 2.1B (9.28.17) ;Created on Sep 28, 2017@12:29:52
It consisted of the following Install(s):
PSS BEFORE MOCHA 2.1B
Checking Install for Package PSS BEFORE MOCHA 2.1B

Install Questions for PSS BEFORE MOCHA 2.1B

Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// ;;99999 HOME (CRT)

Install Started for PSS BEFORE MOCHA 2.1B :
Sep 29, 2017@10:54:25

Build Distribution Date: Sep 28, 2017

Installing Routines:
Sep 29, 2017@10:54:25

Updating Routine file...

Updating KIDS files...

PSS BEFORE MOCHA 2.1B Installed.
Sep 29, 2017@10:54:25

No link to PACKAGE file
Install Completed

7.4 XXPSS*1*178 Rollback Example

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: INStallation

1 Load a Distribution

- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
- Restart Install of Package(s)
- Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution
 Enter a Host File: USER\$:[ABC]XXPSS_1_178.KID

KIDS Distribution saved on Oct 05, 2016@13:41:06
 Comment: XXPSS*1.0*178 ROLLBACK (9.6.17)

Distribution OK!

Want to Continue with Load? YES//
 Loading Distribution...

XXPSS*1.0*178
 Use INSTALL NAME: XXPSS*1.0*178 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
- Restart Install of Package(s)
- Unload a Distribution

Select Installation <TEST ACCOUNT> Option: INStall Package(s)
 Select INSTALL NAME: XXPSS*1.0*178 9/6/16@13:54:50
 => XXPSS*1.0*178 ROLLBACK (9.6.17) ;Created on Sep 06, 2017@13:41:06
 Checking Install for Package XXPSS*1.0*178

Install Questions for XXPSS*1.0*178

Want KIDS to INHIBIT LOGONS during the install? NO//
 Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
 You can queue the install by enter a 'Q' at the device prompt.
 Enter a '^' to abort the install.

DEVICE: HOME// SSH VIRTUAL TERMINAL

 Install Started for XXPSS*1.0*178 :
 Sep 06, 2017@13:55:46

Build Distribution Date: Sep 06, 2017

Installing Routines:
 Sep 06, 2017@13:55:46

Updating Routine file...

Updating KIDS files...

XXPSS*1.0*178 Installed.

Sep 06, 2017@13:55:47

No link to PACKAGE file

Install Completed

7.5 XXMOCHA 2.1 COMBINED BUILD 1.0 Rollback Example

Select Kernel Installation & Distribution System <TEST ACCOUNT> Option: INStallation

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Select Installation <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: USER\$:[ABC] XXMOCHA_2_1_PSO_OR_PSI.KID

KIDS Distribution saved on Sep 06, 2017@13:41:06
Comment: XXMOCHA 2.1 COMBINED BUILD ROLLBACK (9.6.17)

Distribution OK!

Want to Continue with Load? YES//
Loading Distribution...

XXMOCHA 2.1 COMBINED BUILD 1.0
Use INSTALL NAME: XXMOCHA 2.1 COMBINED BUILD 1.0 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Select Installation <TEST ACCOUNT> Option: INStall Package(s)
Select INSTALL NAME: XXMOCHA 2.1 COMBINED BUILD 1.0 9/6/17@13:54:50
=> XXMOCHA 2.1 COMBINED BUILD 1.0 (9.6.17) ;Created on Sep 06, 2017@13:41:06
Checking Install for Package XXMOCHA 2.1 COMBINED BUILD 1.0

Install Questions for XXMOCHA 2.1 COMBINED BUILD 1.0

Want KIDS to INHIBIT LOGONS during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// SSH VIRTUAL TERMINAL

Install Started for XXMOCHA 2.1 COMBINED BUILD 1.0:
Sep 06, 2017@13:55:46

Build Distribution Date: Sep 06, 2017

Installing Routines:
Sep 06, 2017@13:55:46

Updating Routine file...

Updating KIDS files...

XXMOCHA 2.1 COMBINED BUILD 1.0 Installed.
Sep 06, 2017@13:55:47

No link to PACKAGE file

Install Completed

7.6 Local Routine Backup Rollback Example

Select Installation <TEST ACCOUNT> Option: MAILMan Menu

VA MailMan 8.0 service for USER.USER@SITE.VA.GOV

Select MailMan Menu <TEST ACCOUNT> Option: R Read/Manage Messages

Select message reader: Classic//
Read mail in basket: IN// (29 messages, 20 new)
Last message number: 29 Messages in basket: 29 (20 new)
Enter ??? for help.

IN Basket Message: 1// ?

IN Basket, 29 messages (1-29), 20 new
*=New/!=Priority.....Subject.....From.....
26. Backup of MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 USER,USER
*27. PSJ*5.0*340 Pharmacy Expired Order Status Change POSTMASTER
*28. Released PSD*3*81 SEQ #67 <"National Patch Module"
*29. Released PSD*3*79 SEQ #66 <"National Patch Module"

IN Basket Message: 1// 26

Subj: Backup of MOCHA 2.1 COMBINED FOLLOW UP BUILD 1.0 install on Jan [#207452]
01/04/18@14:26 5723 lines
From: USER.USER In 'IN' basket. Page 1

\$TXT PACKMAN BACKUP Created on Thursday, 1/4/18 at 14:26:06 by USER,USER at
SITE.MED.VA.GOV
\$ROU PSOBKDE1 (PACKMAN_BACKUP)
PSOBKDE1 ;BIR/MR-Sub-routines for Backdoor Rx Order Edit ;11/25/02
; ;7.0;OUTPATIENT PHARMACY;**117,133,372,402**;DEC 1997;Build 8
;
LST1 ;
W @IOF
N PSOLCNT,DIRUT,DTOUT,DUOUT,I,PSODOSCT,PSODOSFL,PSOBKDF1
W !,"This is the amount of medication the patient is to receive as one dose"

```

W !,"for this order. This can be a numeric value, such as 325 or 650 or an"
W !,"amount with a unit of measure such as 325MG or 650MG. You may also enter"
W !,"a free text dosage, such as 1 Tablet or 2 Tablets",!
S PSOLCNT=5,PSOBKDF1=1
;
LST ;
I '$G(PSOBKDF1) W @IOF S PSOBKDF1=1
N DIR I '$D(DOSE("DD")) D Q

```

Type <Enter> to continue or '^' to exit: ^

Enter message action (in IN basket): Ignore// Xtract PackMan

Select PackMan function: ?

Answer with PackMan function NUMBER, or NAME

Choose from:

- 1 ROUTINE LOAD
- 2 GLOBAL LOAD
- 3 PACKAGE LOAD
- 4 SUMMARIZE MESSAGE
- 5 PRINT MESSAGE
- 6 INSTALL/CHECK MESSAGE
- 7 INSTALL SELECTED ROUTINE(S)
- 8 TEXT PRINT/DISPLAY
- 9 COMPARE MESSAGE

Select PackMan function: 6 INSTALL/CHECK MESSAGE

Warning: Installing this message will cause a permanent update of globals and routines.

Do you really want to do this? NO//YES

..

Select PackMan function:

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 <i>"Installation, Back-Out, Rollback Plan"</i> 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