maximo
enterprise suite
May 2006

Nuclear Installation Guide

mro software
make it all count
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About This Guide

This section summarizes this document and how it can help you as a Maximo user. It also provides information on other resources available to you, such as additional documentation and customer support.

Why Read This Guide?

If you are a Nuclear customer, read this guide to ensure proper installation of Nuclear into your Maximo installation.

Who Should Read This Guide?

System administrators, network administrators, or other professionals who install Nuclear should read this guide.

How to Use This Guide

This guide explains how to install Nuclear. Use it to install Nuclear, modify previously customized pages, and modify or replace your build.xml file.

Chapter Contents

The following table briefly describes each chapter in this document. Read the chapters in the order they appear. Perform the tasks in sequence as written.

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<tr>
<td>Chapter 1, “Introducing Nuclear” on page 1-1</td>
<td>Provides a brief overview of Nuclear.</td>
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<td>Chapter 2, “Installing Nuclear” on page 2-1</td>
<td>Details the installation procedure and modifications that you might need to make to Maximo files.</td>
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You can find more information regarding Maximo and Nuclear in the following documents:

▼ *Nuclear User’s Guide Addendum*

The *Maximo Enterprise Suite Nuclear User’s Guide Addendum* is a separate document delivered in Adobe® Systems’ Portable Document Format (PDF) with the product software. The guide should be used in conjunction with the standard Maximo Enterprise Suite documentation set.

MRO Software delivers the Maximo Enterprise Suite documentation set in Adobe® Systems’ Portable Document Format (PDF) on the Documentation CD. Depending on the options purchased, your documentation set can include the following documents:

<table>
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<tr>
<th>Document</th>
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<tr>
<td><strong>MXES Installation Guide</strong></td>
<td>Describes how to install and configure the following software:</td>
</tr>
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<td>▼ Application server</td>
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<td>▼ Maximo® Enterprise Suite</td>
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<td>▼ Actuate</td>
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<tr>
<td><strong>MXES System Administrator’s Guide</strong></td>
<td>Describes database configuration, security, and other administrative level</td>
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<td></td>
<td>applications and tasks.</td>
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<tr>
<td><strong>MXES Finance Manager’s Guide</strong></td>
<td>Describes Maximo’s financial transactions and how to set up General Ledger</td>
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<tr>
<td></td>
<td>accounts.</td>
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<tr>
<td>**MXES Report Administration and</td>
<td>Describes how to design and administer Maximo reports using Actuate.</td>
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<td>Development Guide**</td>
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<tr>
<td><strong>MXES User’s Guide</strong></td>
<td>Provides an overview of the Maximo end user applications, and describes how</td>
</tr>
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<td>the Maximo applications interact with each other.</td>
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<tr>
<td><strong>Help</strong></td>
<td>Provides step-by-step procedures for each MXES application.</td>
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Depending on your database platform and the options you purchase, you also might receive third-party manuals and online documentation.

MRO also provides additional course materials to users who register for Maximo training courses.
Support

If your business has a valid Annual Customer Support Plan (ACSP), you can obtain product support online at the following web site:

support.mro.com

The MRO Software Support Online Web site includes information on product releases, software patches, and documentation updates. To find the most current version of a document, refer to the MRO Software Support Online Web site’s Knowledge Base.
This guide takes you through the steps to install Nuclear on a pre-configured Maximo 6.0 system.

**NOTE** The pre-configured Maximo 6.0 system must include the Maximo 6.0 Patch 04 or higher and have Calibration installed before you install Nuclear.

This chapter describes what you must know before installing the application.

**Installation Qualifications**

A system administrator should install Nuclear, for doing so requires system administrator rights and privileges. To perform the installation, you should be familiar with the following:

- PC installation tasks such as creating folders, editing files, and running scripts
- Utilities such as Enterprise Manager
- RDBMS system administration privileges

You can run the Nuclear installation as either an X-Windows application or in console mode. For more information about running programs in X-Windows, see the Appendix "Setting up X-Windows," in either of the following installation guides:

- Maximo BEA WebLogic for HP-UX and Solaris Installation Guide
- Maximo IBM WebSphere for AIX, HP-UX, and Solaris Installation Guide

**Supported Version**

Only Maximo 6.0 Patch 04 or higher supports this version of Nuclear.

For information about software requirements, application servers, and database servers that support Nuclear, refer to the MXES System Administrator’s Guide and your MXES Installation Guide.
Nuclear Overview

You use Nuclear to meet Nuclear Regulatory Commission (NRC) requirements, including surveillances and commitment tracking.

Nuclear provides the necessary tools to meet NRC requirements and additionally, to implement the Standard Nuclear Performance Model (SNPM) as defined by the Nuclear Energy Institute (NEI) and the Institute for Nuclear Power Operations (INPO) as they exist as of June 2004. This product will be improved as required to support changes to SNPM.

Nuclear has many enhancements incorporated into the base Maximo product. These enhancements let you incorporate nuclear-related features such as the following into your daily use of Maximo:

- create surveillances
- track design components
- validate the suitability of a vendor
- track commitments

Nuclear has three new applications developed specifically for nuclear asset maintenance needs. In addition, fourteen standard Maximo applications have been “cloned,” or copied, in order to add nuclear-specific options to these applications. They are available to only users of Nuclear. (The base applications remain in the product. You can give access to the nuclear-specific clone or base application to different users in your organization depending on their needs.)

- Asset (Nuc)
- Asset List (Nuc)
- Commitment Tracking (Nuc)
- Companies (Nuc)
- Frequency (Nuc)
- Inventory (Nuc)
- Item Master (Nuc)
- Locations (Nuc)
- Organizations (Nuc)
- Preventive Maintenance (Nuc)
- Purchase Orders (Nuc)
- Purchase Requisitions (Nuc)
- Quick Reporting (Nuc)
- Request for Quotations (Nuc)
- Terms and Conditions (Nuc)
- Work Order Tracking (Nuc)

If you customized any of these applications, you must modify them when you install Nuclear.
This chapter describes how to install and configure Nuclear and provides important information that you must know before installing Nuclear.

Installation Checklist

The following checklist provides an overview of the installation process. Detailed instructions begin on the next page.

CAUTION MRO strongly recommends that you update Nuclear in a test environment before updating your production environment.

[ ] 1 Determine current software version. If necessary, apply Patch 04 or higher.

[ ] 2 Ensure that Calibration is installed.

[ ] 3 Stop the Maximo application server(s)/service(s).

[ ] 4 Back up your entire <Maximo> folder.

[ ] 5 Back up your database.

[ ] 6 Install Nuclear.

[ ] 7 Install Maximo Nuclear Keys.

[ ] 8 Rebuild the EAR files.

[ ] 9 Restart the Maximo application server.

[ ] 10 Deploy the EAR files.
Installation Procedures

The procedures described below explain how to install Nuclear.

Determine Current Software Version

Your Maximo system **must** include Maximo 6.0 Patch 04 or higher before you install Nuclear.

If necessary, apply Patch 04. You can find this file on the MRO Product Support Web site, [http://support.mro.com](http://support.mro.com).

Calibration

Before you install Nuclear, you must have Calibration installed. The Nuclear install will not proceed if Calibration is not installed. For information about installing Calibration, see the *Calibration Installation Guide*.

Stop the Maximo Application Server

We recommend that you have all users exit Maximo, stop all Maximo Application Servers and services and exit all other programs before beginning the installation process.

Create Backups

Before you install Nuclear, you should back up both your entire `<Maximo>` folder and your database.

Install Nuclear

**NOTE** If you have multiple Maximo folders or directories you will need to run the installation once for each Maximo folder or directory.

To install Nuclear, complete the following steps:

1. Insert the Nuclear CD into the CD-ROM drive.

2. Browse the CD-ROM to choose installs/nuclear and run nuclear.exe.

3. Follow the on-screen instructions.

**CAUTION** Installation stops if Maximo 6.0 Patch 04 or higher has not been installed.

4. Open a DOS window and change directory to `<Maximo>/tools/maximo`.

5. Run updatedb.bat to update your database with the changes required by Nuclear.
Installing Maximo Keys

Load the MXES Nuclear Key CD and run setup.exe to install the required license files.

Build EAR Files

Rebuild your maximo.ear and maximohelp.ear files. It is important that your maximo.properties file is up to date before building the EAR files. For more information about building EAR files refer to your MXES Installation Guide.

Restart the Application Server and Deploy EAR Files

You must restart the Maximo application server and redeploy your EAR files in order to make the Nuclear changes available to users. For information on deploying EAR files, refer to your MXES Installation Guide.
## Printing History

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