Upgrade Process

Upgrade Process

- Install Maximo 6.2.8 fix pack

- Complete Maximo 7.1 pre-upgrade tasks

- Install Maximo 7.1

- Install latest Maximo Base Services 7.1 fix pack that can be upgraded to Maximo 7.5

- Run Maximo 7.1.x industry solution and/or add-on installation programs

- Apply industry solution and/or add-on fix packs

- Install Maximo 7.5

- Install latest Maximo Base Services 7.5 fix pack that can be upgraded to Maximo 7.6

- Run Maximo 7.5/7.6 industry solution and/or add-on installation programs

- Apply industry solution and/or add-on fix packs

Upgrade Process

- Run Maximo 7.1.1.x upgrade utilities

- From the Maximo 7.1.1.x folders run

  - Upgradeui Utility
    - Integrity Checker – report and repair mode, source meta-data integrity
    - Validation – source versus target meta-data integrity
    - Upgrade – transforms database to version 7 structure
  - Updatedb
    - Transforms database to 7.1.1.x fix pack installed

- Note: Integrity Checker

  - You may be asked to run Database Configuration for your database:
    - Only run the Database Configuration from Maximo 6.2.8

Upgrade Process

- Complete Maximo 7.5 pre-upgrade tasks
- Run the Maximo 7.5 product installation program to upgrade from 7.1 to 7.5
    - Point to 7.1.1.x folder
    - Defer database update and application deployment
- Install Maximo 7.5.0.x fix pack
- Run industry solution and/or add-on installation programs
- Install industry solution and/or add-on fix packs

Upgrade Process

- Run the product installation program to perform database update operations

- Database is upgraded via updatedb utility invoked automatically by the installer

- Only after ALL products are installed at 7.5 level

- Option is available to have it done only after admin workstation is upgraded (defer updatedb)

- If not automated by the installer, you must run the following manually

  - Updatedb

  - If languages other than English are deployed: run Tdtoolkit for each PMP installed

Upgrade Process

- Complete Maximo 7.6 pre-upgrade tasks

- Run the Maximo 7.6 product installation program to upgrade from 7.5 to 7.6

  - Create new 7.6 folder

  - Point to existing 7.5 database

  - Defer database update and application deployment

- Run industry solution and/or add-on installation programs

- Install industry solution and/or add-on fix packs

Upgrade Process

- Run the configuration tool to perform database update operations
- Database is upgraded via updatedb utility invoked automatically by the configuration tool
- Only after ALL products are installed at 7.6/7.5 level

- If not automated by the installer, you must run the following manually
  - Updatedb
  - If languages other than English are deployed: run Tdtoolkit for each PMP installed
- Build and deploy the EAR file(s)

Upgrade Process

- Maximo 7.1.1.x – 7.5.0.x Upgrade – Before running upgrade to 7.5
  - Validate integrity of current Maximo 7.1 database
    - Run Maximo 7.1 Integrity Checker and fix all errors
  - If required, upgrade/install middleware components and Operating Systems
    - Patch or upgrade Operating System
    - Upgrade database server
    - Upgrade LDAP/directory server
    - Upgrade WebLogic
    - Deploy WebSphere v7
      - Install a fresh instance of WebSphere v7
      - Use WebSphere v7 migration tool to migrate existing WebSphere 6.1 configuration
      - If manual WebSphere configuration, apply recommended performance settings

Upgrade Process

- **Upgrade Maximo 7.1 to 7.5**
  - Maximo folder is renamed to pre_75_maximo
  - If just Maximo is deployed:
    - the upgrade, updatedb, and EAR deployment can be done automatically during the installation at one time
  - If multiple products and/or customizations:
    - defer database update and application deployment
  - Install add-ons and/or Industry Solutions
- **Migrate customizations**
- **Launch 7.5 install and select database update and application deployment**
- **Validate integrity of Maximo 7.5 database**
  - Run Maximo 7.5 Integrity Checker

Upgrade Process

- Maximo 7.5.0.x – 7.6 Upgrade – Before running upgrade to 7.6
  - Validate integrity of current Maximo 7.5 database
    - Run Maximo 7.5 Integrity Checker and fix all errors
  - If required, upgrade/install middleware components and Operating Systems
    - Patch or upgrade Operating System
    - Upgrade database server
    - Upgrade LDAP/directory server
    - Upgrade WebLogic
    - Deploy WebSphere v.8.5.5
      - Install a fresh instance of WebSphere v8.5.5
      - Use WebSphere v8.5.5 migration tool to migrate existing WebSphere 7 configuration
      - If manual WebSphere configuration, apply recommended performance settings

Upgrade Process

- Upgrade Maximo 7.5 to 7.6
  - Install to new Maximo 7.6 folder and point to existing Maximo 7.5 database
  - If just Maximo is deployed:
    - the upgrade, updatedb, and EAR deployment can be done automatically during the configuration
  - If multiple products and/or customizations:
    - defer database update and application deployment
  - Install add-ons and/or Industry Solutions
- Migrate customizations
- Launch 7.6 configuration tool to update the database and do the application deployment
- Validate integrity of Maximo 7.6 database
  - Run Maximo 7.6 Integrity Checker

Upgrade Process

- Maximo 7.5.0.x – 7.6 Upgrade
  - Run install validation
  - Review upgraded screens
  - Review custom table domains and crossover domains
  - Regenerate request pages for reports
  - Update database statistics

Upgrade Process

- ## Supported by upgrade
  - All data
  - Any configurations done with the Maximo configuration tools
  - Data model
  - User interface and presentation layer
  - Workflow processes
  - Data validations and defaults
  - Integration definitions
  - Escalations

- ## Not supported by upgrade
  - Database schema or objects changed outside of Maximo database configuration
  - Database objects created (i.e. stored procedures, triggers, views, synonyms)
  - Custom extensions of Maximo code
  - Moving from one database platform to another

Upgrade Links

- Upgrade Resources
    - http://www-01.ibm.com/support/docview.wss?uid=swg21266217

- Upgrade Requirements
    - http://www-01.ibm.com/support/docview.wss?uid=swg21440174

- Maximo Upgrade Frequently Asked Questions
    - http://www-01.ibm.com/support/docview.wss?uid=swg21368150

- Package part numbers
    - http://www-01.ibm.com/support/docview.wss?uid=swg21623919

- Upgrade Wiki page
    - https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/IBM%20Maximo%20Asset%20Management/page/Upgrading