

Industry-specific

QAD SOLUTIONS

Manufacturing Applications

Service Pack Notes
MFG/PRO eB2 Service Pack 1



MFG/PRO eB2
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Overview

This document is a simplified set of steps for installing Service Pack 1 (SP1) on MFG/PRO eB2. In the past, service packs required a separate installation, even if you were installing MFG/PRO for the first time. With SP1 on eB2, the base eB2 installation now incorporates the SP1 installation. Only those sites that already have an installed eB2 environment should use the instructions in this document to run a separate SP1 install.

This document is sufficient to complete the SP1 installation. However, additional information about procedures in this document is located in the installation guide you used to install eB2. Therefore, steps in this document cross-reference more detailed steps in the base MFG/PRO eB2 installation guides (78-0570A and 78-0572A) where appropriate. This document does not reference the revised MFG/PRO eB2 installation guides (78-0570B and 78-0572B), which include updates for service pack installation and the inclusion of all errata to the date of publication.

The SP1 installation requires the following steps:

- Install database server and language media to SP1 install directory.
- Load schema changes.
- Process service pack data in MFG/UTIL.
- Install client media (character or GUI) to SP1 install directory.
- Compile SP1 files.
- Revise database sets.
- Generate client scripts.

The process requires the following CDs:

- Database Server, Progress and Oracle
- Language Files, Progress and Oracle, for each language ordered

- Character Client, UNIX and Windows
- GUI Client, Windows

Service Pack Tests and Install Reversals

If you have a test environment, QAD recommends you complete the installation against your test system first. The eB2 service pack installs to a separate directory beneath your original *MFGPROInstallDir*. Data and tables deleted during the SP1 install are preserved in *dumpname.del* files. To restore your original environment, remove the SP1 directory from the PROPATH and reload the *dumpname.del* files.

Service Pack Information

Service pack information is contained in HTML and ASCII text files located in subdirectories under the *svcpack/spinfo* directory on each service pack CD. The HTML files are located in the *web* subdirectory and the ASCII text files are located in the *text* subdirectory. Service pack information contains the following elements:

Module. Provides information on each module and the files in that module that changed in the service pack.

Menu. Provides information on each menu and the files in that menu that changed in the service pack.

ECOs. Provides information on each Engineering Change Order (ECO) included in the service pack. This information includes a brief description of the ECO plus cross-references to the modified files, affected menus and modules, and the compiled files for that ECO.

Modified Files. Provides information on each file modified by the service pack. This information includes the changes that were made to the file plus cross-references to the ECO that caused the file to be modified, the affected menus and modules, and the entire file to enable review of all changes in context.

File Difference. Provides information on each file modified by the service pack. This information includes the entire file with all of the changes in context and a list of the changes made to the file for specific ECOs.

Compile List. Provides a list of all the files that must be recompiled after the service pack has been installed. Additionally, provides cross-references to the modified file information for each file changed in the service pack. This file is located in the *modlist* directory.

During the service pack installation, you can copy the service pack information to any directory you specify. When prompted whether to copy the service pack information, enter Yes, and indicate the destination directory for the information.

Prior to Installation

This document assumes the person completing this installation has MFG/PRO eB2 installation experience and is proficient in the respective database for which the installation is being completed.

For further information, see the appropriate MFG/PRO eB2 installation guide

Progress Database:

“System Requirements” on page 25

Oracle Database:

“System Requirements” on page 23

In addition, you must meet all product and system requirements from the installation guide.

Installing a service pack creates files in the destination directory. When installing service packs, make sure you have read and write permissions in all affected directories. Applying the service pack directly to your production environment may cause third-party products, customizations, localizations, and bolt-on applications to no longer function as expected. Review the service pack information in the `spinfo` directory in order to understand the ramifications of installing the service pack.

Important If you have third-party products, you should contact the product suppliers for compatibility issues with this service pack.

The cut-off date for a service pack can be found in the `version.mfg` file in the `mfgpro` directory on each service pack CD.

Preliminary Setup

Prior to install, review the following cautions and requirements:

For further information, see the appropriate MFG/PRO eB2 installation guide

Progress Database:

“Preliminary Steps” on page 30

Oracle Database:

“Preliminary Steps” on page 28

- Set your `$TERM` variable to a standard terminal type such as `vt100` or `vt200` while installing MFG/PRO. You can switch to a language-specific terminal if necessary when you launch the clients.
- Determine the following information:
 - The MFG/PRO installation directory where eB2 is installed, referred to as `MFGPROInstallDir`
 - The Progress directory for the database server
- Ensure the `mfg` user exists as defined in the installation guide.

Installing Database Server Files

In this set of steps, you install the SP1 database server and language file media. All steps assume you are logged on as user `mfg` under the group `qad` unless otherwise stated.

For further information, see the appropriate MFG/PRO eB2 installation guide

Progress Database:

“Installing Server Files” on page 32

Oracle Database:

“Installing the Database Server” on page 34

- 1 Mount your SP1 database server installation media.
- 2 On the CD, change to the directory containing the database server media. This is the temporary tape directory for tape installs.
- 3 Change to the `install` directory:

```
cd install
```
- 4 Launch the database server installation script in that directory:

```
./install.ksh
```

For Windows, run `install.exe` from Run on the Start menu.
- 5 Accept the license agreement.
- 6 Select the location for the service pack installation log. Use the directory you used for the original eB2 installation. This ensures subsequent disks can locate the log directory with all relevant eB2 install information. If you used the default eB2 directory, you can use the default SP1 directory.
- 7 If you choose Yes to view the SP1 installation instructions online, your default browser launches and displays service pack and Q/LinQ warnings. Follow the links to the service pack information and to the installation instructions.
If you choose No, the warnings regarding the SP1 CD and Q/LinQ display as text. Review each warning and choose Continue.
- 8 Respond to the following prompts:
 - Original MFG/PRO eB2 installation directory (`MFGPROInstallDir`)
 - Progress installation directory
 - SP1 installation directory (`MFGPROInstallDir/SP1`)
- 9 The script may ask if this is an Oracle installation. Enter Yes or No as appropriate.
- 10 Review the summary screen and select Yes to begin copying the SP1 files. Enter No to reenter installation information.
- 11 Check `mfgdbsvsp.log` for errors.

For each database updated, a directory is created under the db directory with the database name in the directory name. This directory contains the dumpname.del files that are used during the step described in “Updating Server Data” on page 7.

- 12 For each table represented by a dumpname.del file, dump the data from your existing eB2 database. These represent your backup of current data prior to performing the SP1 updates.
- 13 Remove the database server media, insert the language file media, and repeat steps 2 through 7 to initiate the language files installation.

For further information, see the appropriate MFG/PRO eB2 installation guide

Progress Database:

“Installing Language Files” on page 35

Oracle Database:

“Installing Language Files” on page 37

- 14 Check mfglangsp.log for errors.

Loading Schema Changes

A minor schema change in SP1 corrects mandatory date fields, changing the initial value from the unknown value (?) in Progress to TODAY or SYSDATE. This is a required change in Oracle environments and recommended for Progress environments.

Oracle Instructions

Run the following SQL script located in *MFGPROInstallDir/sp1/ora/db*:

```
sqlplus qad/qad <eB2SP1.sql
```

Progress Instructions

- 1 Launch MFG/UTIL.

```
./mfgutil
```

In Windows, double-click the GUI or character MFG/UTIL icon.
- 2 Select Database|Load Database Schema (.df) File.
- 3 The schema file, dltmfgtoSP1.df, is located in the *MFGPROInstallDir/sp1/progrs/db* directory. Select it and initiate the update.

Updating Server Data

In the next set of steps, you update and verify the server data. The update process identifies which tables and data require modification from *dumpname.key* and *dumpname.d* files supplied with SP1. Obsolete data is dumped to *dumpname.del* files and deleted from the target databases; the new data is then loaded.

- 1 In MFG/UTIL, select Database|Process Service Pack Data. Your existing eB2 databases should appear as defaults.
- 2 Select each database you want to update, both main (*qadddb*) and administration (*admin*) databases.
- 3 Click OK. This initiates the dump, deletion, and load process.
- 4 Check *mfgutil.log* for errors.
- 5 Review the *dumpname.del* files to verify that tables and data have been dumped.

Installing Host Clients or Client File Servers

On UNIX systems, the host client is the only installation required for UNIX character clients. All other UNIX clients connect to the host via telnet to run the client scripts.

On Windows, the first client installed, character or GUI, is called the file server because it contains the MFG/PRO eB2 source code. It is this client or file server where the code is compiled, the database sets are defined, and the original scripts are generated. Additional clients that connect to Windows file servers are called remote clients. The remote clients require no modifications for SP1.

- 1 Mount your SP1 character or GUI client installation media.
- 2 On the CD, change to the directory containing the database server media. This is the temporary tape directory for tape installs.
- 3 Change to the *install* directory:

```
cd install
```
- 4 Launch the database server installation script in that directory:

```
./install.ksh
```

For Windows, run *install.exe* from Run on the Start menu.
- 5 Accept the license agreement and follow the prompts:
 - Installation log location
 - Progress installation directory

- Original MFG/PRO eB2 client installation directory (by default this is the same as the *MFGPROInstallDir*)
 - Location of SP1 directory (a subdirectory within the client directory)
- 6 Choose the Finish button and press Enter to begin copying the files.
 - 7 For UNIX and Windows character installs, check *mfgchrclsp.log* for errors. For Windows GUI installs, check *mfgguiclsp.log*.
 - 8 Remove the media.

Compile SP1 Code

The minor differences between the SP1 compile procedure and the standard compile are noted in the steps below.

For further information, see the appropriate MFG/PRO eB2 installation guide

Progress Database:

“Compile” on page 67

Oracle Database:

“Compile” on page 76

- 1 Launch MFG/UTIL.

```
./mfgutil
```

 In Windows, double-click the GUI or character MFG/UTIL icon.
- 2 Select Programs|Compile Procedures.
- 3 Select the compile list, *utcompil.wrk*, from the *MFGPROInstallDir/sp1/modlist* directory.
- 4 Set the compile destination to the SP1 directory, *MFGPROInstallDir/sp1*.
- 5 Compile the programs.
- 6 Check *mfgutil.log* for errors.

Modify Database Sets and Scripts

Remain in MFG/UTIL for this set of steps.

For further information, see the appropriate MFG/PRO eB2 installation guide

Progress Database:

“Configuring Database Sets” on page 62

“Generating Scripts” on page 72

Oracle Database:

“Configuring Database Sets” on page 70

“Generating Startup Scripts” on page 81

- 1 Select Configure|Database Set Maintenance.
- 2 Use the updated databases to create new database sets.
- 3 Modify the PROPATH for each set so that the SP1 directory appears first.
- 4 Save and exit from Database Set Maintenance.

- 5 Select Scripts|Generate Scripts.
- 6 Select all database sets for which you need new scripts.
- 7 Launch MFG/PRO using the new scripts.
- 8 Verify that the MFG/PRO eB2 welcome screen displays eB2 SP1.

Nothing is required to connect and use existing remote clients against the revised SP1 environments.

Service Pack 1 Release Notes

Service Pack 1 for MFG/PRO eB2 includes all ECOs closed between the release of the eB2 product and December 5, 2002. Complete ECO listings can be found on the QAD Web site. To view ECO listings, use the following address:

http://support.qad.com/software_update_information/eco/

To access the ECO listings, you must have a QAD Web account. To obtain a QAD Web account, go to the QAD Web site and click the Accounts link at the top of the page:

<http://www.qad.com/>

A few significant changes introduced with ECOs that modify product features are highlighted in this section.

Enhancements to Logistics Accounting

A number of enhancements have been made to the Logistics Accounting module introduced in MFG/PRO eB2.

Multiple Database Processing

The Logistics Accounting module now includes support for multiple entities and centralized order processing in a multiple-database environment.

Follow these guidelines when setting up data for use in a multiple-database environment:

- Freight setup data is only required in the database where orders are processed.
- Set up identical logistics charge codes in all databases. However, you can associate different accounts with charge codes in different databases. The same is true for detailed accounts defined in Outbound Accrual Account Maintenance (2.15.16) and Outbound Expense Account Maintenance (2.15.19).
- For inbound charges, set up identical tax class codes in the central order processing database and all inventory databases.

The site specified on an order header determines the database and entity where AP transactions take place. Intercompany accounts are updated for logistics charges when either of the following conditions is true:

- The header site is in a different database than the shipping site.
- The entity associated with the header site is different from the entity for the shipping site.

The specific intercompany account updated depends on the type of logistics charge:

- The AP intercompany account is updated for outbound charges.
- The Inventory intercompany account is used for inbound charges.

Note Entities must be defined in all database, but the accounts associated with them do not need to be the same.

Tax records for inbound and outbound orders with logistics charges are always stored in the order database. They are not copied with the order to the inventory database.

Freight accrual and associated GL tax transactions are linked to issue transactions in the inventory database. When the AP intercompany account is updated, a transaction is also created in the order database.

Shipper Gateway

Shipper Gateway (7.9.22) has been modified to:

- Verify that all referenced lines attached to the shipper have the same terms.
- When a shipper is successfully created, a logistics accounting charge detail record is also created for the shipper.

Archiving Vouchered Logistics Charges

Closed AP Delete/Archive (28.23) now deletes and archives vouchered logistics charge pending vouchers that match the specified selection criteria.

EDI ECommerce

Sales order packing lists can now be exported using Packing List Export (35.4.15). This exported document can be used to indicate a request for shipment of product from a public warehouse to a customer location.

Accounts Payable

The 1099-MISC Magnetic Media Report (28.20.3) has been updated to conform to reporting requirements for tax year 2002.

Purchasing

You can use a new purchasing control field to include PST and GST tax IDs on printed purchase orders. When Print Tax ID – Misc on PO is Yes in Purchasing Control (5.24), Purchase Order Print (5.10) includes the PST and GST tax IDs specified in Company Address Maintenance (2.12) in the header of the order.