MFG/PRO®

Service Pack Installation Instructions

WINDOWS

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MFG/PRO Version 9.0, Service Pack 6
September 2002

Contents

Service Pack Installation Overview

Using These Instructions

Use these instructions to install MFG/PRO Version 9.0, Service Pack 6 for MFG/PRO Progress and Oracle databases on a Windows NT server. This document contains instructions for installing the service pack files for:

- Windows NT database server
- Windows character user interface clients

  The updated character client code is contained on and installed with the Database Server Service Pack CD-ROM.
- Windows graphical user interface clients
- QAD's Network User Interface (NetUI) clients
- MFG/PRO 9.0 ECommerce module

  Information on how to use the new functionality introduced in ECommerce by the service pack is provided in the *User Guide Supplement* included on the service pack media.

Audience

These instructions are for the MFG/PRO system administrator who manages the MFG/PRO databases and is familiar with Microsoft Windows NT servers, networking, QAD's NetUI, and Progress and Oracle software.

Installation Errata

In addition to these instructions, review the errata sheet for your MFG/PRO version. The errata sheet contains additional instructions and procedure changes that occurred after this guide was published. Depending on your MFG/PRO environment, the information in the errata sheet may be critical to the success of your installation. Always review the errata before beginning an installation.

Although an errata sheet is included with your product package, QAD recommends that you download the most up-to-date errata sheet from the QAD Web site. New information may have been added to the errata sheet since your product was shipped.

QAD Web Site

For QAD customers with a Web account, MFG/PRO documentation is available for review or downloading at:

http://support.qad.com/documentation/

You can register for a QAD Web account by accessing the Web site and clicking the Accounts link at the top of the screen. Your customer ID number is required. Access to certain areas is dependent on the type of agreement you have with QAD.

http://www.qad.com/

Other MFG/PRO Documentation

- For an overview of new features and software updates, see the *Release Bulletin*.
- For instructions on navigating the MFG/PRO environment, see the *User Interface Guide* and the *Network User Interface Guide*.
- For information on the entire system, see the *User Guides*.
- For technical details, see the *File Relationships* and *Database Definitions*.
- For information about using MFG/PRO with other products, see the *External Interface Guides*.
- To view documents online in PDF format, see the *Documents on CD* and *Supplemental Documents on CD*.
- For software installation instructions, refer to the *Installation Guides*.

Document Conventions

This document uses the conventions listed in the following table.

If you see:	It means:
`monospaced text`	A command or file name.
`italicized monospaced text`	A variable name for a value you enter as part of an operating system command; for example, *`YourCDROMDir`*.
`indented command line`	A long command that you enter as one line even though it appears in the text as two lines.

QAD's Global Technical Services

MFG/PRO installations have a wide variety of configuration possibilities, are highly scalable, and are easily customized. While this guide provides basic installation information, it cannot consider every possible MFG/PRO computing environment or configuration.

To take full advantage of MFG/PRO's flexibility and potential in your specific environment, contact your QAD support representative for information on the installation and customization offerings supplied by QAD's Global Technical Services. These offerings include installation and conversion services, performance enhancements, as well as technical and administration training.

Which CD Do I Use?

This service pack contains eight CDs. Four are for use in an Oracle database environment and four are for use in a Progress database environment. Each set of four contains the following CDs:

- Windows NT Server/Character Client CD

  Use this CD to update MFG/PRO databases on Windows NT servers. If you have Windows character clients, use this CD to update them as well. Use the CD appropriate for your MFG/PRO database.

- UNIX Server/Character Client CD

  Use this CD to update MFG/PRO databases on UNIX servers. If you have character clients, use this CD to update them as well. Use the CD appropriate for your MFG/PRO database.

- Windows Client CD

  Use this CD to update MFG/PRO Windows clients. Use the CD appropriate for your MFG/PRO database.

- NetUI Client CD

  Use this CD to update MFG/PRO NetUI clients. Use the CD appropriate for your MFG/PRO database.

Always install the appropriate Server/Character Client CD first, then proceed with the Windows and NetUI Client CD installations.

Service Pack Impact Analysis

Service pack impact analysis 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. Impact analysis information contains the following elements:

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

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

ECOs. Provides information on each Engineering Change Order (ECO) addressed by 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 were compiled for the service pack plus cross-references to the modified file information for each file changed in the service pack.

After installation, impact analysis information is copied to the `spinfo` subdirectory of the service pack installation directory.

Service Pack Contents

Service packs are cumulative. Each service pack includes the MFG/PRO files contained in previous service packs. Each service pack also contains any files modified by patches since the previous service pack. By applying the latest service pack, you automatically have all the changes for this MFG/PRO version.

Some installation tasks documented in these instructions are not required if you have already implemented them in a previous service pack. Review each section of this document for details. The cut-off date for each the service pack can be found in the `version.mfg` file in the `svpack` directory on each service pack CD.

Installing a service pack will replace files in the destination directory. 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 intended. You should review the service pack impact analysis 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.

Additionally, if you have any third-party products, program customizations, localizations, or bolt-on applications, you should merge the changes in this service pack with the changes made for the third-party products, customizations, localizations, or bolt-ons in a test area before updating the production environment.

Service Pack Configuration Overview

The service pack can be installed in two configurations:

1. Set up a test MFG/PRO database and service pack directory. QAD recommends this configuration for established MFG/PRO production environments.
2. Use the service pack to directly update production databases and the MFG/PRO installation directory. In general, this configuration simply requires that you run the service pack installation routine and specify the production databases and MFG/PRO installation directory. QAD recommends this configuration for new installations and conversions.

Database Server Installation Instructions

Use the following instructions to implement the updated database server and character client files on the Database Server Service Pack CD-ROM.

Setup For Database Server Installation

Before continuing with the installation, make sure the steps appropriate for your environment have been completed:

1. Make sure you are logged on to the Windows NT server with administration privileges.
2. Shut down the servers for the Progress database sets to be updated.
3. Back up the MFG/PRO directory and any databases that you are going to update.
4. If you have an MFG/PRO production environment currently running and want to set up a service pack test environment, use the following instructions. If you are installing the service pack for a new MFG/PRO installation or during a conversion, continue with “Database Server Installation” on page 7.

   a. Create a test service pack installation directory; for example, `C:\qad\svpack`.

   b. If an MFG/PRO test environment does not already exist, create one. Options for creating a test environment differ slightly for Oracle and Progress databases.

   For Progress databases, make a copy of your MFG/PRO production, gui, help, and cfg databases to use as a test database set. To make database copies, use the PROCOPY Utility from your system’s command prompt.

   In the following example, *`SourceDBName`* refers to the name of your original MFG/PRO production, gui, help, or cfg database. *`TargetDBName`* refers to the name you give to this database in the test environment.

   ```
   procopy SourceDBName TargetDBName
   ```

   For more information on PROCOPY and other Progress utilities, see your *Progress System Administration Reference*.

   Options for creating an Oracle test environment include copying your production database to a test environment. You can also set up a new Oracle database, using mfgdemo or mfgtrain data from your existing MFG/PRO database. For details, see Chapter 3, Database Server Setup in the MFG/PRO *Installation Guide: Oracle on Windows NT*.

   Alternatively, you can add an MFG/PRO database to an instance that already contains an MFG/PRO database owner. For details, see Chapter 10, Installation Reference, Setting Up Multiple Databases in the MFG/PRO *Installation Guide: Oracle on Windows NT*.

   c. For Progress databases, use MFG/UTIL on the Windows NT server to create new startup and shutdown icons for the test environment. For details, see the Database Server Setup chapter in the MFG/PRO *Installation Guide: Progress on Windows NT*.

d Using MFG/UTIL on a client machine, create a new client startup icon for the test environment. For details, see the client setup chapters in the MFG/PRO *Installation Guide: Progress on Windows NT* or *Oracle on Windows NT*.

e On the client machine, right-click the icon for the service pack test environment and select Properties. Click the Shortcut tab and review the Target field for the `-ininame` parameter and the path to the Progress initialization file. Record the path to the initialization file.

This file is usually found in your MFG/PRO client working directory, and is named `progress.svg`, `progress.vga`, or `progress.chr` depending on the client. The following example is for a Windows character client:

```
-ininame C:\qadcli\progress.chr
```

f Using File Manager or Windows Explorer, locate the Progress initialization file, make a copy, and name the copy something meaningful to this installation; for example, `SVPackprogress.chr`.

g Using a text editor, open this file and modify the `PROPATH` variable so that the service pack installation directory is referenced before your MFG/PRO directories. Include references for both the service pack installation directory and the `us\BBI` subdirectory.

Note If you are using a Windows character client, you need to modify the `PROPATH` variable in the `[WinChar Startup]` section.

In the following example, the first reference is to the local client working directory, followed by the service pack installation directory, and then the MFG/PRO test directory.

```
PROPATH= .,c:\qad\svpack,c:\qad\svpack\us\BBI,
   E:\qad\chrfilesrv,E:\qad\chrfilesrv\us\BBI
```

h Save your changes and close the text editor. Right-click your test icon and choose Properties. In the Shortcut tab, change the `–ininame` variable in the Target field to the Progress initialization file you modified for the service pack; for example:

```
-ininame c:\qadcli\SVPackprogress.chr
```

5 For Progress databases, shut down the servers for the database sets to be updated.

6 For Oracle databases, start the Oracle instance and listener for the database you intend to update.

Database Server Installation

1 If you quit the installation script to perform setup steps, restart it by double-clicking the `install.bat` program on the Database Server Service Pack CD-ROM.

2 Enter No at each of the installation documentation prompts. Reply appropriately at each of the following warning and information screens.

3 At the installation directory prompt, enter the full path of the service pack installation directory.

The service pack installation directory depends on your MFG/PRO environment. The following list discusses possible installation directories for different MFG/PRO environments:

- For a new MFG/PRO installation, specify your MFG/PRO database server installation directory; for example, `C:\qad\mfgntsrv`.
- For an MFG/PRO conversion, specify the target MFG/PRO database server installation directory; for example, `C:\qad\mfgntsrv`.

Note Load customizations after installing the service pack.

- For an existing MFG/PRO production environment with a service pack test area, specify the directory that you created in step 4 on page 6.

4 At the prompt, enter your MFG/PRO database server installation directory. This is the directory where `version.mfg` exists; for example, `C:\qad\mfgntsrv`.

5 At the prompt, enter your Progress installation directory; for example, `C:\dlc83`.

6 For Progress installations, follow these steps:

a Specify the databases you want to update. You must enter valid databases; for example:

```
\qad\mfgntsrv\mfg
\qad\mfgntsrv\us\gui
\qad\mfgntsrv\us\help
\qad\mfgntsrv\us\cfg
\qad\mfgntsrv\mfgdemo
```

Enter `end` to end the list of databases and continue the installation.

b To begin copying the service pack files, enter Yes at the prompt.

c If prompted, enter Yes to create a backup directory for the data that was replaced by the service pack.

7 For Oracle installations, follow these steps:

a At the prompt, enter your Oracle instance name; for example, `qad9`.

b At the prompt, enter your Oracle user name; for example, `qad`.

c At the prompt, enter your Oracle user password; for example, `qad`.

d At the prompt, enter the name of the Oracle home directory; for example, `\orant`.

e At the prompt, enter the name of the Oracle database; for example, `qad9`.

f At the prompt, enter the letter representing the Oracle connection type used for this installation. The connection types are:

```
A. Shared Memory
B. Net8 (SQL*Net)
c. Progress Client Networking (Host and Service)
```

g If you select Progress Client Networking (Host and Service), you are also prompted for the host name and the service name.

h At the prompt, enter the name of the Progress schema holder; for example, `C:\qad\mfgntsrv\o90.db`.

i To begin copying the service pack files, enter Yes at the prompt.

Be aware that there is a significant pause before the service pack data load begins. After the copy, an `sp.log` file is written to the MFG/PRO database server installation directory.

8 Select OK after the database contents have been loaded. Check the service pack logs for errors.

For each database that is updated, a directory named *`DatabaseName`*`save` is created in the database's directory. This directory contains the following update-related files:

- For each table that is updated in the database, a *`TableName`*`.del` file is created containing the records that were replaced during the update process.

Note If the *`TableName`*`.del` file exists, it is renamed *`TableName`*`.000` and a new *`TableName`*`.del` is created. If *`TableName`*`.000` exists, *`TableName`*`.del` is renamed *`TableName`*`.001` up to `999`.

- For some tables, a *`TableName`*`.rpt` is created containing the non-US language records where the English equivalent was replaced.

9 Once the service pack is in the production environment, you must run `install.bat` for any other databases you use such as development or training databases. Be sure to select `Skip files` on subsequent runs of the install. This will update the databases only.

Warning For Progress installations, do not update empty databases with the service pack data. For example, do not update the mfgempty, hlpempty, or cfgempty databases.

10 To keep the correct data in the data directory for use by standard load procedures, you must dump the `.d` files for the updated tables into the appropriate MFG/PRO subdirectory for each updated database. For example, for Progress databases, you would dump the `.d` files for the mfg database into the `mfg` subdirectory of the MFG/PRO database server installation directory.

NetUI Installation Instructions

This service pack contains modified files for both the MFG/PRO Web-enabled code and the NetUI HTML, Java, and client files.

Depending on your NetUI configuration, these files may be located on multiple machines. Before beginning the NetUI Service Pack installation, make sure that you have access to and permissions for the following directories:

- The directory where the Web-enabled MFG/PRO code is located
- The directory where the NetUI HTML, Java, and client files are located

If you have already installed QAD's NetUI in a production environment, QAD recommends that you install the NetUI Service Pack files into a test environment before updating your existing environment.

If you are performing a new NetUI installation, QAD recommends that you install the NetUI service pack directly into your production environment.

Overview of Changes to the NetUI

If you did not install Service Pack 5 and are now installing this Service Pack, you should review this section carefully. The changes and requirements for the NetUI in Service Pack 5 apply to all subsequent Service Packs.

Enhancements were made to the NetUI in Service Pack 5 to support the new eB Desktop product. These enhancements changed some aspects of the NetUI and, starting with Service Pack 5, required that you install a more recent version of Java Runtime Environment (JRE) on each client machine.

For a complete description of the NetUI as modified by Service Pack 5, see *User Guide: eB Desktop*. You can view or download this document at the QAD documentation Web site:

http://support.qad.com/documentation/

Service Pack 5 added the following features and changes to the NetUI:

- All NetUI tool bar icons were updated and replaced with clearer, simplified images. The icons perform the same functions; only their appearance has changed.
- The NetUI now requires Java 1.3. Each client machine must have JRE 1.3 installed. The Java Plug-In is no longer separately installed, since it is included with JRE 1.3.
- A new client installation script is required to accommodate changes introduced with Java 1.3, such as changes to Java security files.
- The appearance of telnet programs in the NetUI changed in the following ways:
  - A tool bar is active with both standard tool buttons and those specific to telnet programs. Most actions that were previously available with function keys can now also be executed by clicking a button.
  - A separate scrollable message area was added at the bottom of the telnet program screen.
  - The general appearance of the screen was modified to make telnet screens look more like browses and reports in the NetUI.
  - Java lookups are now available from most fields in telnet programs.
  - Access to online help and lookups was functionally separated. A new button and accelerator (Alt+L) display the lookup. Clicking the question mark icon or using F2 displays the same HTML-based help available in reports.

Using the NetUI in Oracle Environments

Starting with Service Pack 5, WebSpeed 3.1, a Progress 9 component, is required to use the NetUI and eB Desktop. You can continue to use either a Progress 8 or 9 schema holder. However, if you are currently connecting to your Oracle database using a Progress 9 schema holder built with pre-Service Pack 5 `.df` files, you must re-create your Progress 9 schema holder using the `.df` files on the service pack CD.

The `.df` files are copied to the service pack installation directory when the database server/client service pack files are installed. The new `.df` files are copied to `InstallDir\ws31_oradf`. Refer to the *MFG/PRO System Administration Guide* for information on creating a new schema holder.

The new Oracle schema holder built with the service pack `.df` files supports implementation of additional Progress 9.1 performance parameters. The updated schema holder more accurately adheres to and uses the latest Progress 9.1 constructs. The new schema resolves performance issues and prevents potential database corruption dependent upon certain Progress settings.

Warning Once the new schema holder is in place, the old schema structure should not be implemented in whole or in part. Mixing any old and new schema holder components in any way will cause unexpected errors, which can lead to database and data corruption.

In environments where the NetUI connects to a Progress 8 schema holder, you can continue using that schema holder. In these environments, you are not required to use the service pack `.df` files to create a new schema holder. However, since the Web-enabled code included on the service pack is compiled for Progress 9, you must recompile the code against the original Progress 8 schema holder.

If you have any customized Web-enabled code, you must add those customizations to the service pack Web-enabled code, then recompile the Web-enabled code against the appropriate schema holder. For detailed compile instructions refer the *Network User Interface Installation Guide*.

Windows Web Server Installation Instructions

Note For UNIX Web server instructions, refer to the *Service Pack Installation Instructions: UNIX*.

To install the NetUI Service Pack files into a Windows test environment, complete the following tasks:

- "Create NetUI Service Pack Test Directories" on page 11
- "Install NetUI Service Pack Web-Enabled Code" on page 12
- "Install NetUI Service Pack HTML, Java, and Client Files" on page 12
- "Optionally Update Language and Country Settings" on page 13
- "Optionally Customize NetUI HTML Files" on page 15
- "Incorporate the NetUI Test Directories" on page 16
- "Update NetUI Clients" on page 18

To install the service pack files directly, you can skip the following tasks:

- "Create NetUI Service Pack Test Directories" on page 11
- "Incorporate the NetUI Test Directories" on page 16

Create NetUI Service Pack Test Directories

If you are currently running a production environment and want to test the NetUI service pack files in a test environment, create a test directory for the service pack Web-enabled MFG/PRO code; for example, *`DriveLetter:`*`\qad\netuisp`.

Install NetUI Service Pack Web-Enabled Code

Whether you are installing the NetUI service pack Web-enabled code into a test directory or directly into a new NetUI environment, use the following instructions to copy the updated code from the service pack CD-ROM into the appropriate directory:

1. Log on to the Windows client machine with administration privileges.
2. Insert the NetUI Service Pack CD into the CD-ROM drive and run `install.bat` using File Manager, Windows Explorer, or the Start button.
3. At the prompt, enter the full path to the directory where you want the service pack Web-enabled MFG/PRO code installed.
   - If you are installing the service pack directly into a new NetUI environment, enter the directory where you installed the MFG/PRO Web-enabled code during the NetUI installation; for example, *`DriveLetter:`*`\qad\webmfg`.

     Once you press Enter, verify that you want to overwrite the existing MFG/PRO Web-enabled code with the updated code from the service pack.
   - If you are installing to a test location, enter the directory you created in the "Create NetUI Service Pack Test Directories" section; for example, *`DriveLetter:`*`\qad\netuisp`.
4. At the prompt, enter the location where you installed the original MFG/PRO Web-enabled code.
5. At the prompt, confirm that you want to copy the service pack Web-enabled code to the directory you specified.

Install NetUI Service Pack HTML, Java, and Client Files

Whether you are installing the NetUI Service Pack HTML, Java, and client files into a test directory or directly into a new NetUI environment, use the following instructions to copy the updated files from the service pack CD-ROM into the appropriate directory:

1. At the prompt, enter the full path to your Web server's primary document directory.
2. At the prompt, specify whether you want to create a test directory for the NetUI Service Pack HTML, Java, and client files.
   - If you are installing the service pack directly into a new NetUI environment, enter No and press Enter. Then, verify that you want to overwrite the existing NetUI files with the updated files from the service pack. The installation process copies the values you entered for WebSpeed Broker name and port number during the NetUI installation from your existing NetUI HTML files into the updated HTML files provided by the service pack.
   - If you are installing to a test location, enter Yes and press Enter. The NetUI Service Pack installation process creates a `ServPack` test directory under your Web server's primary document directory; for example:

     `DriveLetter``:\netscape\suitespot\docs\ServPack`

Note If a `ServPack` directory already exists in the primary document directory, a warning displays. You can either continue and overwrite the directory or exit the installation and rename the directory.

The installation process copies the reference to the WebSpeed broker from your existing NetUI HTML files into the service pack NetUI HTML files.

If you have other customizations in your NetUI HTML files that you want reflected in your test environment, add them to the appropriate HTML files in the `ServPack` directory.

3 Once the NetUI HTML, Java, and client files are copied, the initial NetUI service pack installation is complete.

Optionally Update Language and Country Settings

This step is required only if the default settings in NetUI are not appropriate for your installation. For example, if your language is English and you are not in the United States, you must follow the procedure outlined here to ensure that dates are validated correctly.

Managing Languages in the NetUI

In NetUI, date format can be determined in different ways, depending on the type of program being executed:

- The display of dates and decimals in browse and report input screens is controlled by the NetUI `.jar` file. The Progress startup parameters are passed to the `.jar` file, which interprets them and displays dates and decimals appropriately.
- The display of dates and decimals in browse and report output is controlled by the WebSpeed startup parameters defined either in `ubroker.properties` (srvrStartupParam line) or in the `.pf` file referenced in `ubroker.properties`.
- The display of dates and decimals in telnet maintenance screens is controlled by the Progress startup parameters supplied in `qma.production` or the equivalent file referenced in the telnet startup sequence defined in User Option Telnet Maintenance (36.20.10.3).

Beginning with Service Pack 5, in order for the `multinet.jar` to properly interpret date and decimal information, a value for both language and country (locale) must be available.

When a user logs in to MFG/PRO from either the Windows or character interface, MFG/PRO determines the appropriate language based on the MFG/PRO language code associated with that user in User Maintenance (36.3.18). In the NetUI, the `multinet.jar` file can only interpret Java language codes. These codes are defined by the ISO (International Organization for Standardization). Since not all MFG/PRO language codes follow this standard, a mapping must occur.

In addition to language codes, Java also uses country codes to accommodate regional language differences. For example, while both the US and Great Britain use the English language, there are many differences between the two—for example, spelling differences and date format differences. In this case, Java uses the ISO language code for English (en) and then adds the ISO country code to define the correct display for each country—en,US for the US and en,GB for Great Britain.

When a user logs in to MFG/PRO from the NetUI, the system determines the MFG/PRO language code and maps it to the appropriate ISO language code using a predefined set of maps. As part of the mapping, the system makes an assumption about the country associated with the language.

Table 1 lists the default mapping values used by the NetUI.

Table 1 Default NetUI Language and Country Mapping

Language	MFG/PRO Language Code	ISO Language Code	ISO Country Code	Default Mapping Value
Arabic	AR	ar	EG	AR_LANGUAGE,ar,EG
Bulgarian	BU	bg	BG	BU_LANGUAGE,bg,BG
Chinese (Traditional)	TW	zh	TW	TW_LANGUAGE,zh,TW
Chinese (Simplified)	CH	zh	CN	CH_LANGUAGE,zh,CN
Czech	CZ	cs	CZ	CZ_LANGUAGE,cs,CZ
Danish	DA	da	DK	DA_LANGUAGE,da,DK
Dutch	DU	nl	NL	DU_LANGUAGE,nl,NL
Finnish	FI	fi	FI	FI_LANGUAGE,fi,FI
French	FR	fr	FR	FR_LANGUAGE,fr,FR
German	GE	de	DE	GE_LANGUAGE,de,DE
Greek	GR	el	GR	GR_LANGUAGE,el,GR
Hebrew	HE	iw	IL	HE_LANGUAGE,iw,IL
Hungarian	HU	hu	HU	HU_LANGUAGE,hu,HU
Italian	IT	it	IT	IT_LANGUAGE,it,IT
Japanese	JP	ja	JP	JP_LANGUAGE,ja,JP
Korean	KO	ko	KR	KO_LANGUAGE,ko,KR
Lithuanian	LI	lt	LT	LI_LANGUAGE,lt,LT
Norwegian	NO	no	NO	NO_LANGUAGE,no,NO
Polish	PL	pl	PL	PL_LANGUAGE,pl,PL
Portuguese	PO	pt	BR	PO_LANGUAGE,pt,BR
Romanian	RO	ro	RO	RO_LANGUAGE,ro,RO
Russian	RU	ru	RU	RU_LANGUAGE,ru,RU
Spanish (Castilian)	CS	es	ES	CS_LANGUAGE,es,ES
Spanish (Latin)	LS	es	MX	LS_LANGUAGE,ex,MX
Swedish	SW	sv	SE	SW_LANGUAGE,sv,SE
Turkish	TU	tr	TR	TU_LANGUAGE,tr,TR
Ukranian	UA	uk	UA	UA_LANGUAGE,uk,UA
US English	US	en	US	US_LANGUAGE,en,US

Modifying Default Language and Country Values

In some cases, the system default country is not suitable for the display conventions in your locale. To override the default country settings for a language, complete the following steps:

1. Create an ASCII text file named `javalang.txt`.
2. Place this file within the MFG/PRO PROPATH.
3. Add a line to the file with the following format:

   `xx_LANGUAGE,yy,ZZ`

   Where:

   `xx` is the value of your MFG/PRO language.

   `yy` in the Java language code.

   `ZZ` is your Java country code.

Important ISO language codes are lowercase and country codes are uppercase. Java is case sensitive and expects the codes in the ISO format.

For example, if you live in England, you can see by looking at the mapping table that US (the language code for English in MFG/PRO) is mapped to US_LANGUAGE,en,US in the NetUI. To override this with your country code, enter the following in `javalang.txt`:

```
US_LANGUAGE,en,GB
```

If you are unsure of the correct ISO country code to use, refer to the following URL:

http://www.chemie.fu-berlin.de/diverse/doc/ISO_3166.html

Optionally Customize NetUI HTML Files

The NetUI includes a set of default HTML files that you can copy and modify to meet your requirements. The NetUI HTML files are located in the `multinet` subdirectory below the Web server's primary document directory.

Beginning with Service Pack 5, the service pack installation adds files with 13 appended to the name, indicating they are to be used with Java 1.3. These files must be used after installing the Service Pack. The other files, without 13 appended to their file name, are not overwritten by the service pack so that you can preserve any customizations you have made.

The installation process preserves the port number and Web Speed broker currently specified in `multinet.html` by saving these values in `netui13.js`. This javascript file is called by the new `multinet13.html` to set the values appropriately.

If you have further customizations you want to preserve, you may need to modify the following files after installing the service pack:

- `full13.html`
- `embedded13.html`
- `multinet13.html`
- `trace13.html`

Incorporate the NetUI Test Directories

If you are currently running a production environment and want to test the NetUI service pack files in a test environment, use the following instructions to integrate the test directories into your existing environment:

1. On the machine where the Progress WebSpeed software is installed, access the WebSpeed Configuration Utility; for example, Start|Programs|WebSpeed|Configuration Utility.
2. In the Configuration Utility's tool bar, click the New Service button (the button on the far left).
3. In the WebSpeed Service Name field, enter the name for a new WebSpeed broker and press Tab; for example, `sptest`.
4. Click the Add button.
5. Specify a valid port number for the new broker.
6. Click the Log Files tab.
7. Verify that Working Directory, Session Log, and Error Log entries are satisfactory. By default, error and session logs are created in the working directory with the following naming convention:
   - Error log: *`NewBrokerName`*`_err.log`
   - Session log: *`NewBrokerName`*`_ses.log`

   If you want to use different error and session log files for the NetUI Service Pack test, specify these files in the Session and Error Log fields.
8. Click the Agents tab.
9. Verify that the port range for NetUI service pack test agents is valid. Remember that the minimum port number must be one above the broker's port. For example, if you assigned port 3000 to your new broker, the minimum agent port would be 3001.
10. In the Startup Parameters field, add an entry for a parameter file (extension `.pf`) containing the connection parameters for a database set. Do this by adding the `-pf` parameter followed by the path to and name of a `.pf` file.

    For example, if you created a service pack test database set called sptest, then you would:
    - Create a `.pf` file containing the connection parameters for those databases (`sptest.pf`). You can make a copy of your existing parameter file and use it as a template.
    - Add `-pf sptest.pf` to the Startup Parameters field in the Webspeed Configuration Utility.
11. Select the Agent Options tab.
12. Modify both the Application PROPATH for Current User and Application PROPATH of All Users fields to include entries for the test directory containing the Web-enabled code from the NetUI service pack. Place entries for the following elements immediately before the entries for the existing MFG/PRO Web-enabled code:
    - The service pack Web-enabled code test directory; for example:

      `DriveLetter:``\qad\netuisp`

- The `bbi` subdirectory below the language code directory in the service pack Web-enabled code test directory; for example:

  `DriveLetter:``\qad\netuisp\us\bbi`

In the following example PROPATH, the NetUI service pack test entries are highlighted. *`DriveLetter:`*`\qad\webmfg` refers to the directory containing your MFG/PRO Web-enabled code.

```
,C:\Program Files\WEBSPEED\tty,
    C:\Program Files\WEBSPEED\PROBUILD\EUCAPP\EUC.PL,
        C:\Program Files\WEBSPEED\PROBUILD\EUCAPP,
            DriveLetter:\qad\netuisp,DriveLetter:\qad\netuisp\us\bbi,
               DriveLetter:\qad\webmfg,DriveLetter:\qad\webmfg\us\bbi
```

13 Click the Apply button.

14 At the following prompt, click OK.

```
The changes you made to the configuration of NewBrokerName will take effect the
next time this service is started.
```

15 In the Configuration Utility's tool bar, click the Start button to start your new broker.

16 Close the Configuration Utility.

17 In the `ServPack` test directory, make the following modifications to the HTML files:

a In a text editor, open the `embedded.html` file. Locate the `WService=` entries and change the value from the name of your original broker to the name of your new broker.

Original entry:

```
WService=netui
```

Modified entry:

```
WService=sptest
```

b Save your changes and open the `full.html` file in the text editor. Again, change all of the `WService` entries from the name of your original broker to the name of your new broker. Save your changes and close the editor.

18 To test the NetUI Service Pack files from a NetUI client, change the Uniform Resource Locator (URL) in the client's browser. Be sure to use the HTML files installed in the NetUI service pack test directory you created under the Web server's primary document directory.

In the following example:

- *`WebServerName`* refers to the Domain Name System (DNS) name for your NetUI Web server.
- *`netuisp`* refers to the test directory you created for the NetUI Service Pack HTML, Java, and client files.

`http://`*`WebServerName/ServPack`*`/full.html`

Note In the preceding URL, the primary document directory is not included because requests for HTML pages default to this directory.

Update NetUI Clients

To run the NetUI after Service Pack 5 or higher is installed, clients must have the correct version of the JRE installed and the JRE must be tailored for NetUI requirements. The NetUI service pack includes a new client installation program that completes these tasks.

The client installation occurs in two major steps:

- Complete the JRE install.
- Complete the NetUI setup sequence.

The client installation script does not copy NetUI `.jar` files to the client. This is managed automatically by JRE 1.3. Whenever a newer `.jar` file exists on the Web server, it is downloaded before the Java applet runs. This ensures that the client is always running the most up-to-date code.

Important Before beginning, make sure that your Web server is running.

Install JRE 1.3

1. From the client, launch the Web browser, go to the NetUI Web server, and access the `client13_setup.html` file in the `client_files` subdirectory below the `multinet` directory in the Web server's document directory.

   `http://`*`HostName`*`/multinet/client_files/client13_setup.html`

2. Click OK when a message displays indicating that the NetUI client files are not current on this machine. You are redirected to the `client13_setup.html` file in the `client_files` subdirectory below the `multinet` directory in the Web server's document directory.

3. When the Client Machine Setup Procedure window displays, read the NetUI client requirements and verify that the client machine meets them.

4. Read the instructions in the Setup Procedure for QAD NetUI section. If you have not previously installed JRE 1.3, click step 1, Java Plug-In 1.3.

5. You can choose to download the JRE file or run the program from the server. If you choose to save the file to disk before running it, you must find it in the file system after saving it and double-click to start it before continuing with the next step.

   Note One or two security warning screens may display. These screens let you agree to accept installations from InstallShield and from Sun. Simply click Yes to continue.

6. When the InstallShield program displays, click Yes to accept the Software License Agreement.

7. The Choose Destination Location screen displays. Click Next to install to the default location (recommended). Click Browse to find an alternate location for the installation; then click Next.

8. A number of messages display indicating the progress of the install.

9. When the install is complete, your Web browser redisplays.

Complete NetUI Setup

1. Click step 2, QAD Setup, in the Setup Procedure for QAD NetUI section of the `client13_setup.html` page.
2. The File Download screen displays. Click Run this program from its current location; then click OK.

   Note If you receive a security warning, simply click Yes to continue.
3. When the installation completes, close the browser on the client machine and restart it. You can now access the NetUI.

The first time the client successfully logs in to the NetUI, the required `.jar` files are downloaded. A message displays indicating that the download is in process.

Client Updates

The following list provides brief descriptions of the updates the client setup process performs and of the files that it installs on the client machine:

- Installs JRE 1.3.0_02, which includes the Java Plug-In.
- Configures Java security files by copying the `qadkeystore` file and updating the `java.policy` file so that users can run `.jar` files signed by QAD. These files are located in:

  `C:\Program Files\JavaSoft\JRE\1.3.0_02\lib\security`

  The previous version of `java.policy` is saved as:

  `java.policy.orig`

Important If you modified policies previously, you should combine the changes in the two policy files.

- Installs a `font.properties` file with settings needed by NetUI into:

  `C:\Program Files\JavaSoft\JRE\1.3.0_02\lib`
- Installs required fonts into:

  `C:\Program Files\JavaSoft\JRE\1.3.0_02\lib\fonts`
- Sets the Java Run Time Parameters field in the Java Plug-in Control Panel to `-mx64m`.

  Note If you have problems with this setting, you may need to change it to `-Xmx64m`.
- Creates a cookie that indicates setup is complete.

Windows Client Installation Instructions

1 Log on to the Windows client with Administration privileges.

2 If you are currently running a production environment and want to test the service pack in a test environment, use the following instructions. If this is a new installation or you are performing a conversion, skip to step 3.

a Create a new directory for the service pack testing environment; for example:

```
C:\qad\svpack
```

b On a Windows MFG/PRO client machine, double-click the MFG/UTIL icon. In the MFG/UTIL Main Window, choose the Configure menu and select the Any Database Set option.

c In the Database Set Configuration window, choose New Set. Enter the Set Name and Set Description for your service pack test database set, leave the default Start Parms, and make sure the Active field is set to Yes. Then choose OK.

For details on setting up a service pack test database set, see “Database Server Installation Instructions” on page 6.

d With the service pack test database set highlighted, choose the New Client button in the lower frame of the Database Set Configuration window. Specify the connection parameters for the service pack test databases in the Client View of Database Parameters window.

e When ready, choose OK to exit the Database Set Configuration window. Select the Scripts menu from the MFG/UTIL Main Window and choose the Generate User Startup option. Highlight the service pack test database set and choose OK. MFG/UTIL generates a startup icon for your test database set.

f Right-click your new test icon and select Properties. Choose the Shortcut tab and record the path to the `-ininame` file for your icon. This file is usually found in your MFG/PRO client working directory, and is named `progress.svg` or `progress.vga` depending upon your display type; for example:

```
-ininame C:\qadcli\progress.svg
```

g Using File Manager or Windows Explorer, locate your `-ininame` file it, copy it, and name it something meaningful to this installation; for example:

```
SVPackprogress.svg
```

h Using a text editor, open this file and modify the `PROPATH` section so that the service pack installation directory is referenced before your MFG/PRO directories. Include references for both the main service pack installation directory and the `us\BBI` subdirectory.

In the following example, the first reference is to the local client working directory, followed by the service pack installation directory, and then the MFG/PRO directories.

```
PROPATH= .,C:\mfgcli\IMAGES.PL, D:\QAD\SVPACK,
    D:\QAD\SVPACK\us\BBI,
       E:\MFGGUIFS, E:\MFGGUIFS\us\BBI
```

i Save your changes and close the text editor. Right click your test icon and choose Properties. In the Shortcut tab, change the `-ininame` variable in the Target field to the Progress initialization file you modified for the service pack; for example:

```
-ininame C:\qadcli\SVPackprogress.svg
```

3 Insert the Windows Client Service Pack CD into the CD-ROM drive. Run `install.bat` using File Manager, Windows Explorer, or the Start button.

4 Enter the full path to the directory where you want the service pack Windows client files installed.

The service pack installation directory depends on your MFG/PRO environment. The following list discusses possible installation directories for different MFG/PRO environments:

- For a new MFG/PRO Windows client installation, specify the directory where the MFG/PRO Windows client files are located. This can be on a file server or on each client machine depending on your MFG/PRO configuration; for example:

  ```
  C:\qad\guifilesrv
  ```

- For an MFG/PRO conversion, specify the directory where the target version MFG/PRO Windows client files are located. This can be on a file server or on each client machine depending on your MFG/PRO configuration; for example:

  ```
  C:\qad\guifilesrv
  ```

Note Load customizations after installing the service pack.

- For an existing production environment with a service pack test area, specify the directory that you created in step 2 on page 20; for example, `d:\qad\svpack`.

5 Enter the MFG/PRO Windows GUI client file server installation directory. This is the directory where `version.mfg` exists; for example, `C:\qad\guifs`.

6 When prompted, specify Yes to begin copying the service pack files.

7 Press Enter at the prompt to end the script.

8 After updating your Production environment and before starting MFG/PRO, you need to update the file `version.mfg` file in your client working directory. This file contains the MFG/PRO version identifier, which is displayed on the logon screen. Copy `version.mfg` from your service pack installation directory to your client working directory.

ECommerce Gateway Installation

If this is a new MFG/PRO 9.0 installation, and you are using the ECommerce module, you should perform these additional tasks as part of the service pack installation.

Important These changes were introduced with Service Pack 1. If you performed these tasks while implementing a previous MFG/PRO 9.0 service pack, you do not need to perform them again.

- Run a conversion program to update existing legacy EDI tables with ECommerce-specific values. This process converts EDI data for use with the ECommerce module.
- Adjust sequence parameters to avoid potential problems that can result from a schema error.

- Load field and procedure help records for the new menu-level programs added by the service pack.

Information on how to use the new functionality introduced in ECommerce by the service pack is provided in the *User Guide Supplement* included on the service pack media.

ECommerce Data

During service pack installation, data files used to populate ECommerce tables were installed on your system. The installation script prompted you to load the data related to MFG/PRO implementation definitions into selected databases. This process loaded data into the following tables:

Table	Description
edmfdd_det	MFG/PRO Document Field Detail
edmfd_det	MFG/PRO Document Record Detail
edmf_mstr	MFG/PRO Document Master
edmidd_det	MFG/PRO Document Implementation Field Detail
edmid_det	MFG/PRO Document Implementation Record Detail
edmi_mstr	MFG/PRO Document Implementation Master
edtrf_mstr	Transformation Functions Definitions Master

Updating Existing MFG/PRO Tables for Progress Databases

A conversion program installed by the service pack, `tvecg.p`, updates values in the following tables:

- `abs_mstr`. The program extracts advance ship notice (ASN) export data generated by the EDI module and uses it to populate new fields added by ECommerce.
- `ih_hist`. The program extracts invoice export data generated by the EDI module and uses it to populate new fields added by ECommerce.
- `edtpparm_mstr`. The program adds trading partner parameters for new variables used by the gateways added by the service pack.

Note Because running conversion programs in an Oracle on Windows environment is handled by the QAD Global Technical Services group, contact your QAD support representative about running this conversion program.

Follow these steps to run the conversion program for Progress databases:

1. Load the encrypted source into `conv/us/xrc`.
2. Start the MFG/PRO conversion shell, MFG/CONV, for each database that needs to be upgraded.
3. From the Target Version menu, select For all conversions|tvp0-Compile tv Data Conversion Programs.

   The compile must complete with no errors for `tvecg.p`.
4. From the Target Version menu, select For 8.6x conversions|tvecg-ECommerce Data Conversion.
5. Repeat steps 2 through 4 for each database to be converted.

Correcting Sequence Problems

A schema error in MFG/PRO 9.0 can cause ECommerce to stop operating correctly if there is high demand for system-generated sequence numbers. Although the current service pack does not update the schema, you can use the following procedure to avoid this problem. This procedure differs for Oracle and Progress databases. Use the procedure appropriate for your database environment.

Progress Databases

Follow these steps to update your Progress databases with the corrected sequence definitions:

1. Access the Progress Data Dictionary function.
2. From the Admin menu, choose Load Data and Definitions|Load Definitions (.df).
3. Enter `ecg90sp1.df`.
4. A code page error message displays. You can disregard this message. When you enter OK, a dialog box displays. Verify or modify the default code page as needed.
5. To check that the load was successful, from the Progress Data Dictionary choose the Schema menu and select Sequence Editor. View the sequence properties of sequences `edmfs_sq01` and `edxfs_sq01` and verify that the value of Upper Limit is 999,999 and that the Cycle at Limit? box is checked. (In the character interface, Cycle at Limit should be Yes.)

Oracle Databases

Follow these steps to update your Oracle databases with the corrected sequence definitions:

1. Copy the file `ecg90sp1.sql` from your Service Pack installation directory to the Oracle instance directory for MFG/PRO.
2. Start the Oracle Server Manager. In UNIX, for example, enter `svrmgrl` at the command prompt.
3. Connect as the owner of the MFG/PRO schema for each instance that needs to be updated.
4. Run `ecg90sp1.sql` by entering `@ecg90sp1` at the Server Manager prompt.
5. Verify that the two drop statements and the two create statements all return `Statement processed`.
6. From an MFG/PRO session connected to the database you are updating, run the program `utsequp.p` from the command line. This program resets the values of the modified sequences to the correct values.
7. Repeat steps 3 through 6 for each instance that needs to be updated.

Follow these steps to update the Progress schema holder with the correct sequences:

1. Access Progress Data Administration.
2. From the Database menu, choose Select Working Database. Select the target Oracle database.

Note It is not necessary to connect to this database. You can respond No to the connect prompt.

3 From the Admin menu, choose Load Data and Definitions|Load Definitions (.df).

4 Enter `ecg90sp1.df`.

5 A code page error message displays. You can disregard this message. When you enter OK, a dialog box displays. Verify or modify the default code page as needed.

6 To check that the load was successful, from the Progress Data Dictionary choose the Schema menu and select Sequence Editor. View the sequence properties of sequences `edmfs_sq01` and `edxfs_sq01` and verify that the value of Upper Limit is 999,999 and that the Cycle at Limit? box is checked. (In the character interface, Cycle at Limit should be Yes.)

Loading Help Records

Loading these supplemental help records adds online help for new and modified programs introduced in Service Pack 1.

Use Field Help Load (36.4.19) to install the `ecommerce.fhd` file containing the field and procedure help for programs added by the service pack. The `ecommerce.fhd` file is located in the `\language\help` subdirectory in the service pack installation directory.

1 In Field Help Load, enter the following field values:

Language	Enter the appropriate two-letter language code; for example, US for English.
Field, Procedure, Status, Text Type	Leave blank.
Field Help Load File	Enter the full path to the `ecommerce.fhd` file.
Skip loading help with lower status	Enter Yes.

2 Press Go to load the help file into the MFG/PRO database.

Important If you have Windows GUI clients on MFG/PRO 9.0, make sure WinHelp is deactivated because it is not available for new fields added by this service pack. Open User Interface Profile (36.20.4), choose a particular user or blank for all users, and turn off the WinHelp option (the toggle box should be blank). This lets you view character field help records. Access them by pressing F1 or using the Help menu or the tool bar.