



Q/ADMIN
Installation Guide
FOR UNIX SERVER



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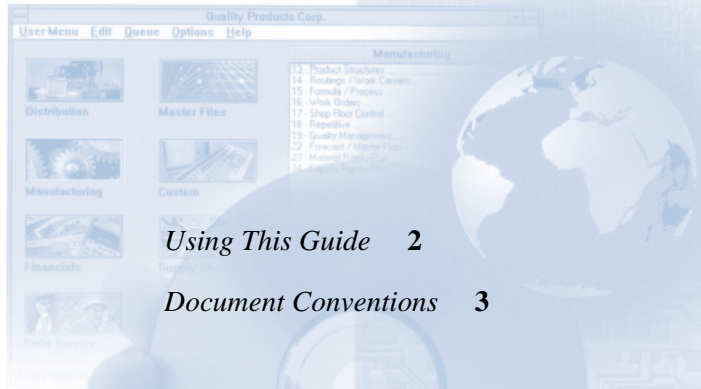
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Routing Code:	10-15000	MANUFACTURING COILING
Operation:	20	
Standard Operation:		
Work Center:	1030	INSPECTION, ALL SITES
Machine:		
Description:	INSPEC PER PROC-000	
Machines per Op:	1	Alternate P
Overlap Units:	1	
Queue Time:	1.0	
Wait Time:	0.0	
Setup Time:	0.0	
Base to Production:	0.0	

Using This Guide

Use the instructions in this guide to Install the MFG/PRO Q/ADMIN software on UNIX[®].

Q/ADMIN provides an interface to the installation and system maintenance programs for MFG/PRO and other QAD products. This utility should be installed on your database server prior to installing any other UNIX-based QAD products.

Audience

These instructions are for the MFG/PRO system administrator who manages the MFG/PRO database and is familiar with the UNIX environment, networking, PROGRESS[®], and Microsoft Windows[™].

Other MFG/PRO Documentation

- For an overview of new features and software updates, see the *Release Bulletin*.
- For software installation instructions, refer to the *Installation Guides*.
- For instructions on navigating the MFG/PRO environment, refer to the *User Interface Guide*.
- For instructions on accessing MFG/PRO programs with a Web browser over the Internet or an intranet, refer to the *QAD Network User Interface Guide*.
- For information on using MFG/PRO, refer to the *User Guides*.
- For technical details, refer to the *File Relationships and Database Definitions*.
- To review MFG/PRO program screens, refer to *Screen Book, Volume 1–3*.
- To view documents online in PDF format, see the *Documents on CD*.

Online Help

MFG/PRO has an extensive online help system. Help is available for most fields found on a screen. Procedure help is available for most programs that update the database.

For information on how to use the help system, refer to the refer to the *MFG/PRO User Interface Guide*.

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/>

To obtain a Web account, go to:

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

Document Conventions

This guide uses the conventions listed in the following table.

If you see:	It means:
monospaced text	A command or file name.
<i>italicized monospaced text</i>	Italicized monospaced text indicates a variable name for a value you enter as part of an operating system command. For example, <i>YourCDROMDir</i> .
indented command line	A long command that you enter as one line (although it appears in the text as two lines).

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Installing Q/ADMIN

This document explains how to install Q/ADMIN and generally how to use it. For information on the maintenance utilities for a specific QAD product, refer to that product's documentation.

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Performing Preliminary Setup **7**

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14.53.2 Routing Maintenance (Main Screen)
 Routing Code: 10-15000 MANUFACT: CHILIN
 Operation: 20
 Standard Operation
 Work Center: 1030 INSPECTION, ALL SITE
 Machine:
 Description: INSPC PER PROC-000
 Machines per Op: 1 Allocation:
 Overlap Units: 1
 Queue Time: 1.0
 Wait Time: 0.0
 Setup Time: 0.0
 Ready to Production: 0.0

Loading Q/ADMIN from Tape Media

Complete these steps only if you are installing from tape media. If the software is on CD-ROM, skip to “Mounting the CD-ROM,” on page 7.

You must load the tape media into a temporary directory, run the Q/ADMIN installation from the temporary directory, and install into a permanent installation directory.

- 1 On your database server, create a temporary installation directory on the same machine as your Q/ADMIN installation directory.
- 2 Insert the tape into the tape drive.
- 3 Change to the temporary installation directory.
`cd TemporaryTapeDir`
- 4 Choose and enter the applicable load command from Table 1.1.

Table 1.1
Q/ADMIN Load
Commands

On this type of hardware...	Enter this load command...
NCR Tower 600 or Unisys 5000/50	<code>dd if=/dev/rtp conv=swab cpio -iumvdBc</code>
HP 9000/800 Series, 1/4" cartridge	<code>tcio -i /dev/rct/YourTapeDevice cpio -iumvdBc</code>
All others	<code>cpio -iumvdBc < /dev/YourTapeDevice</code>

Note All Q/ADMIN tapes are written using a block size of 5120 bytes.

- 5 Remove the tape and store it safely.
- 6 Continue with “Performing Preliminary Setup,” on page 7.

Mounting the CD-ROM

If you are installing from CD-ROM media, follow these steps to mount the CD-ROM. You should perform these steps as root.

- 1 On your database server, make a CD-ROM directory if it does not already exist. The installation process assumes the directory name is `/cdrom`.
- 2 Place the Q/ADMIN Database Server CD-ROM into the CD-ROM drive.
- 3 Mount the CD-ROM. The mount command differs from system to system. Table 1.2 lists example commands for mounting the Q/ADMIN CD-ROM.

Hardware:	Mount Command:
Sun	<code>volcheck cdrom</code>
HP	<code>mount /dev/dsk/YourcdDevice /cdrom</code>
All others	Refer to your hardware system documentation or vendor for requirements to mount a CD-ROM. You may be able to type <code>man mount</code> to determine the correct command.

Table 1.2
Q/ADMIN Mount
Commands

Performing Preliminary Setup

Complete these steps to prepare for the installation process.

Note It is mandatory to create a group called `qad` and a user called `mfg`. All QAD installation and maintenance programs store pertinent information under this user's home directory. This strategy enables QAD scripts to find data about installed products automatically and reliably. Also, you can maintain your system without having to log on as the root user ID.

- 1 Start your UNIX system administration utility.

Note It is important to use the provided utilities since they typically handle a shadow password file.

- 2 Create a group called `qad`.

a There is no requirement for a specific group ID (gid) for this group. If possible, try to use gid 65535, because this is the gid of the files on QAD CD-ROMs.

b To verify that the group has been created successfully, type the following command at the system prompt.

```
grep ^qad /etc/group
```

c The output should resemble the following but may vary depending on your system.

```
qad : : 65535 :
```

3 Create a user called `mfg`.

a If possible, specify user ID 65535, because this is the user ID of the files on QAD CD-ROMs.

b Assign the “korn” login shell to this user. All of the scripts delivered on a QAD CD-ROM use korn shell syntax.

c Use any standard file system location for the user; it is not important where this user is created. However, make sure the “\$HOME” environment variable is set, because the scripts and programs that will access this user directory reference this variable.

d Assign the standard umask of 022 to maintain permissions and security.

e To verify that the user was created with the proper values, type the following command at your system prompt.

```
grep ^mfg /etc/passwd
```

f The output should resemble the following but may vary depending on your system.

```
mfg:*:65535:65535:Q/ADMIN (administrative)
login: , , , :/home/mfg:/user/bin/ksh
```

- 4 Create a directory called `cfg` under the home directory of user `mfg`. This directory is *mandatory* because it is where important installation and configuration information is stored. The directory needs to have read, write, and access permissions (`rwX`) for the owner group and others.

- a Log on as user `mfg`.
- b To verify that the directory has been created successfully, type the following command at the system prompt.

```
ls -ld $HOME/mfg/cfg
```

- c The output should resemble the following but may vary depending on your system.

```
drwxrwxrwx 7 mfg qad 1024 Jun 18 11:03 cfg
```

- 5 Now that the user and group have been created, here are some optional but useful things that you can add to the user's `.profile`.

<code>PROPATH=\${PROPATH:-"<your_propath>"}</code>	Sets a default PROPATH.
<code>DLC=\${DLC:-"<your_dlc_directory>"}</code>	Sets a default PROGRESS directory.
<code>PATH=\$PATH:\$DLC/bin</code>	Adds your default dlc/bin directory to the execution path.

- 6 Determine the following information.
 - a Q/ADMIN installation directory. (You must have full read/write permissions on your installation directory.)
 - b Directory location of PROGRESS for the database server.
- 7 Set the terminal type to a PROGRESS-supported terminal such as `vt100`.

Running the Q/ADMIN Installation

- 1 On your database server, log on as user `mfq` under the group `qad` and use a standard terminal type.
- 2 Change to the CD-ROM directory.
- 3 Start the installation script by typing the following command.

```
./install
```
- 4 You will be asked to enter two items of information:
 - The PROGRESS installation directory (default=`/usr/dlc`)
 - Your terminal type (default=current TERM setting)
- 5 When the installation question wizard appears, type the full path name of the directory where you want to install Q/ADMIN and choose Next.

Note Use Tab to move between fields and buttons on screen. To choose a button, tab to it and press Enter.

Q/ADMIN Installation

Enter the full path name of the directory where you wish to install Q/ADMIN

/d1/qad/qadmin

<Prev> <Next> <Finish> <Cancel>

Press F2 for Help, Tab to highlight an item and enter to select.

- 6 At the second question, modify or accept the default for the Q/ADMIN database name.
- 7 Select Finish.
- 8 At the following prompt, you can choose Yes to continue the installation or No to abort.

Expand the media to QadminInstallDir now (y/n)?

Note You can leave the media expansion process unattended.

- 9 After the files have been copied, answer the following prompt. Typically, you should answer Yes to remove the temporary files used during installation. However, you can answer No if you are researching an installation problem and want to examine these files.
Cleanup the /tmp/qadmin stage directory (y/n)?
- 10 When the Q/ADMIN installation is complete, review the log file, qadmin.log, for errors. It is created in the sub-directory /log under the Q/ADMIN installation directory. The log file contains information about Q/ADMIN itself.

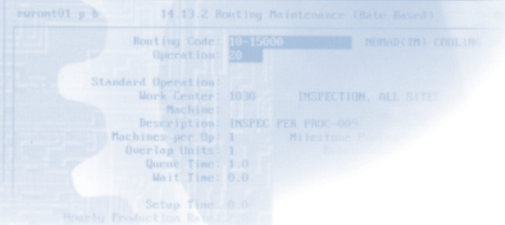
Using Q/ADMIN

Use Q/ADMIN to install other QAD products, such as MFG/PRO. Once a product is installed, you can also use Q/ADMIN to perform system maintenance operations for that product. This section explains generally how to use the Q/ADMIN interface.

Q/ADMIN Interface **14**

Q/ADMIN Keyboard Commands **14**

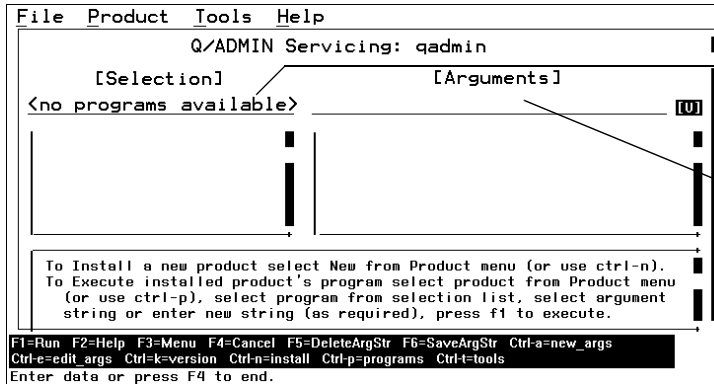
Product Installation Script **15**



Routing Code: 10-15000 MANUFACT: CHILIN
 Operation: 20
 Standard Operation
 Work Center: 1030 INSPECTION, ALL SITE
 Machine:
 Description: INSPEC PER PROC-000
 Machines per Op: 1 Allocation:
 Overlap Units: 1
 Queue Time: 1.0
 Wait Time: 0.0
 Setup Time: 0.0
 Ready to Production: 0.0

Q/ADMIN Interface

From Q/ADMIN, you can run various system maintenance programs for each QAD product. Note the following.



Choose an installation or maintenance program from the Selection.

For a chosen program, a list of run-time arguments may appear. You can run the program with a default argument, a new argument,

Q/ADMIN Keyboard Commands

When using Q/ADMIN, MFG/UTIL, or MFG/CONV in a character user interface, the keyboard commands are as follows.

Keyboard Entry	Command Name	Description
!	Go	Moves to next frame, saves entries, or runs a program.
@	Help	Displays context-sensitive help.
#	Menu Bar	Accesses the menu bar.
\$	End	Exits a frame, program, or menu.
y	Select	Selects check-boxes and On/Off options.
r or t	Tab	Moves to next field or command. Pressing enter in the last field can also save entries.
f+t or c+U	Back Tab	Moves to the previous field or command.

Note In the character interface, button commands appear within brackets; for example: < OK >. To choose a button command, use the t key to move to the button and press r.

In addition, Q/ADMIN uses the following keyboard commands.

Keyboard Entry	Command Name	Description
%	Delete	Deletes command arguments from the selection lists.
^	Save	Saves command arguments you have entered to the Q/ADMIN database.
c+A	New Argument	Adds a new command argument for the selected program. Use within the Argument field.
c+E	Edit Argument	Enables you to edit a command argument for the selected program. Use within the Argument field.
c+K	Version	Displays in a pop-up window the version of Q/ADMIN and the selected program item, if applicable.
c+N	New Install	Starts the installation process for a new QAD product (short-cut for the New option on the Product menu).
c+P	Product Programs	Toggles through the installation programs for installed QAD products (short-cut for the Product menu).
c+T	Tools Programs	Opens a selection list of system tools for the QAD product you have selected (short-cut for Tools menu).

Product Installation Script

When Q/ADMIN installs a product, it launches a standard script called install. The install script is on the media for every QAD product. If you cannot use Q/ADMIN to start the installation, you can instead launch the install script directly by typing the following operating system command.

```
./install
```

If you start the installation script directly, you can use one or more of the following parameter options to control the installation.

Option	Description
-c	Forces the deletion of the stage directory and other temporary files without prompting for a confirmation.

<code>-m <i>filename.ini</i></code>	Enables you to run the installation using a different, modified version of the default initialization file. This option is useful for providing information specific to your environment. Make a copy of the <code>qadmin.ini</code> file, alter it, and specify the modified <code>.ini</code> file during installation.
<code>-w <i>dirname</i></code>	If you want to launch the installation from outside the CD-ROM directory, use this option to specify the location of the CD-ROM directory (or other directory containing the installation media).
