



Installation & Conversion Guide

QAD Enterprise Asset

Management

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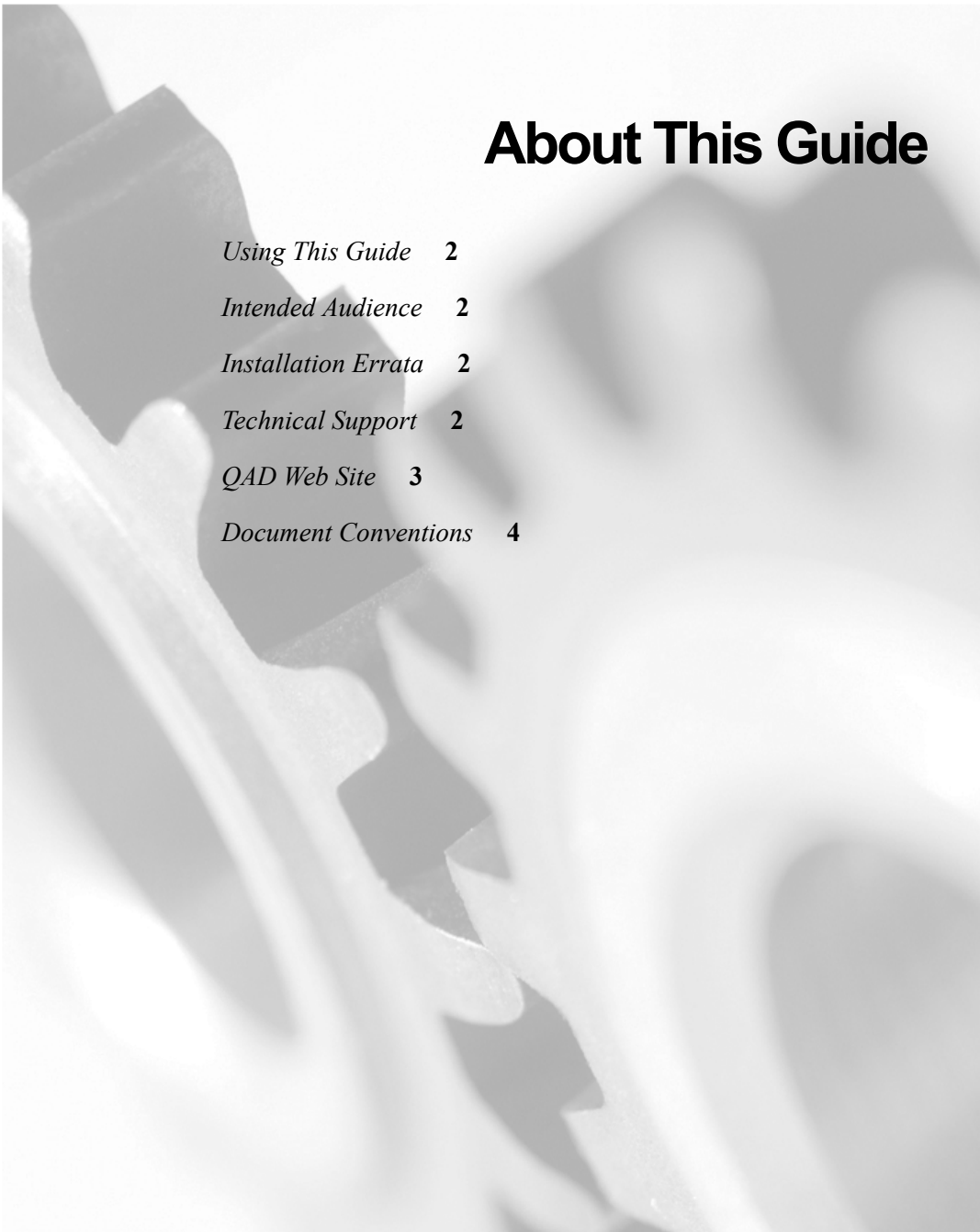
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Using This Guide

This guide describes the installation and upgrade of QAD EAM. This guide includes setup information for supporting software and recommended deployment configurations. QAD EAM system administration and application configuration information is not covered.

Intended Audience

This document is intended for system administrators with at least three years of experience. This installation requires Progress OpenEdge 10.1B.

Installation Errata

In addition to these instructions, check the QAD Customer Support Web site for errata or updated installation instructions at:

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

Technical Support

If you encounter difficulties in the use of any QAD products, please contact your regional QAD Support Center or QAD distributor as defined in your maintenance agreement.

QAD Web Site

QAD's Web site provides a wide variety of information about the company and its products. You can access the Web site at:

<http://www.qad.com>

For users with a QAD Web account, product documentation is available for viewing or downloading from the QAD Online Support Center at:

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

You can register for a QAD Web account at the QAD Online Support Center. Your customer ID number is required. Access to certain areas is dependent on the type of agreement you have with QAD.

Most user documentation is available in two formats:

- Portable document format (PDF). PDF files can be downloaded from the QAD Web site to your computer. You can view them with the free Adobe Acrobat Reader.
- HTML. You can view user documentation through your Web browser. The documents include search tools for easily locating topics of interest.

Important Before you start the installation, check the Web site to make sure you have the most recent version of this document.

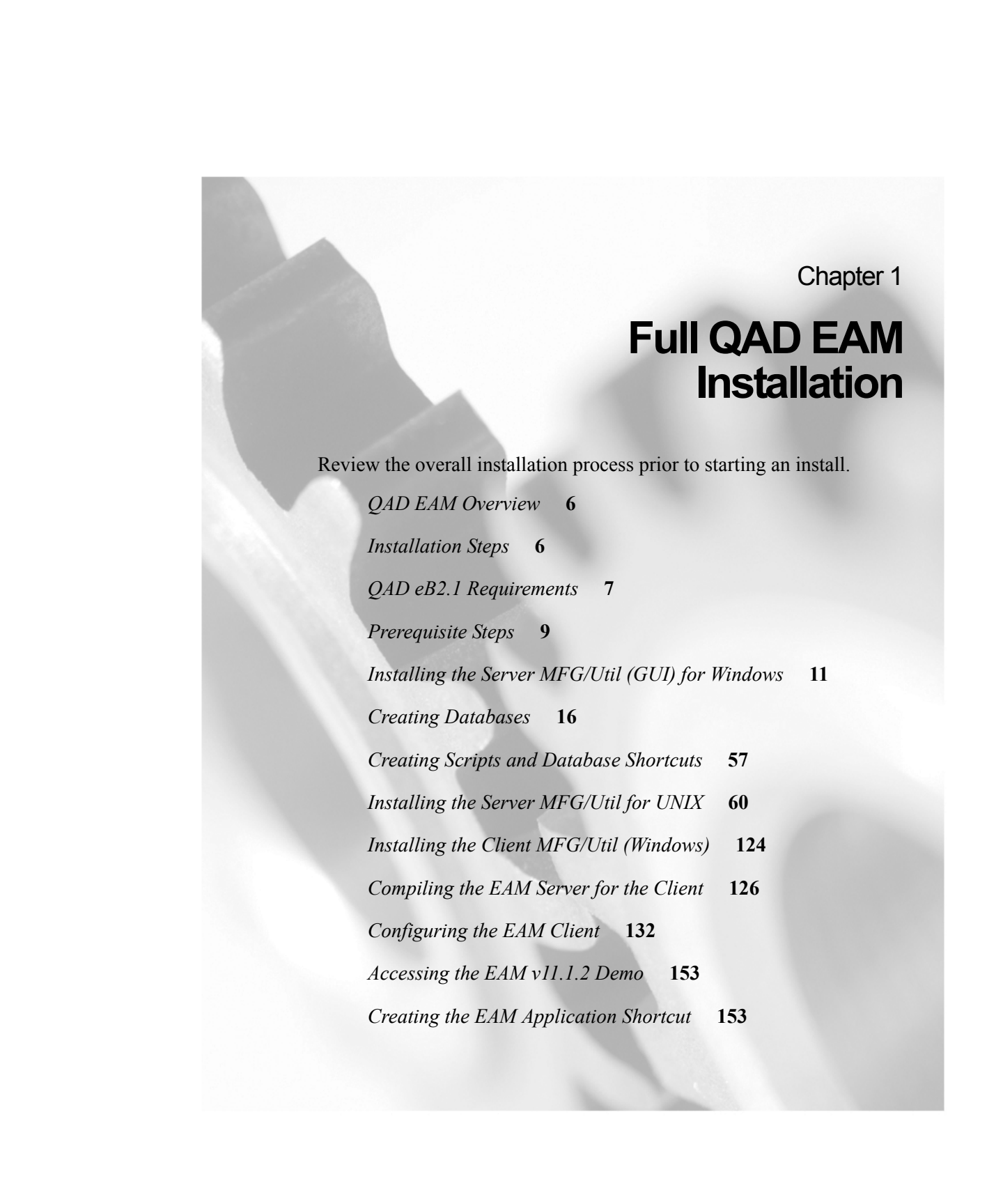
Document Conventions

This guide uses the conventions listed in the following table.

If you see:	It means:
monospaced text	A command, file name, or path.
<i>italicized</i> <i>monospaced text</i>	A variable name for a value you enter as part of an operating system command; for example, <i>cdrom</i> .
indented command line	A long command that you enter as one line although it appears in the text as two lines.
Note	Exceptions or special conditions.
Important	Critical information.
Warning	Situations where you can overwrite or corrupt data, unless you follow the instructions.

UNIX and Windows Installations

This document supports the installation of QAD EAM on both UNIX and Windows platforms. The instructions use character screens and UNIX file and path conventions. In the few places where the two sets of instructions diverge, the headings and text state explicitly which operating system is the focus of the current set of instructions.



Chapter 1

Full QAD EAM Installation

Review the overall installation process prior to starting an install.

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QAD EAM Overview

Use QAD Enterprise Asset Management (QAD EAM) to effectively manage your organization's physical assets. QAD EAM provides a suite of applications that maximizes manufacturing equipment utilization and minimizes repair costs. QAD EAM focuses on asset lifecycle management, ensuring that a plant and its equipment are ready and able to meet production requirements consistently. This includes the design, construction, commissioning, operation, maintenance and replacement of plant, equipment, and facilities. QAD EAM provides supply chain management solutions for maintenance, repair, and operation (MRO), project controls, and plant maintenance including inventory and purchasing. QAD EAM is fully integrated into QAD's Manufacturing and Financial modules.

Installation Steps

This chapter presents basic topics that you should understand before beginning an QAD EAM installation. This chapter also provides instructions for installing the full QAD Enterprise Asset Management (QAD EAM) system. These instructions are intended for the system administrator who is installing the database and is familiar with the UNIX operating system, the Microsoft Windows operating system, Progress software, and networking.

For additional information on enhanced functionality in the QAD EAM product, see the *QAD EAM Release Notes*.

QAD EAM installation requires the following steps:

- 1 Install QAD EAM to your server.
- 2 Build the QAD EAM database.
- 3 Load default data to QAD EAM database.
- 4 Modify startup files.

Complete the QAD EAM installation in a test environment first. If you are upgrading an existing QAD EAM system, see "Planning an EAM Conversion" on page 172.

QAD eB2.1 Requirements

Install QAD EAM 11.1.2 with the following QAD eB2.1 versions on a Progress database. Oracle is not currently supported.

- QAD eB2.1, Service Pack 3, 4, 5, 6, or 7

Progress Requirements

QAD EAM requires Progress OpenEdge 10.1B (OE10). If you are performing a fresh installation of OE10, shut down all open applications. Follow the setup instructions.

Note If you run SP3 for OE10.1B, contact Progress for a hot fix. Depending on your operating system, you may need to download Hot Fix 10 or 16.

Install the application to custom directory `root:\OE10`. Accept the default working directory.

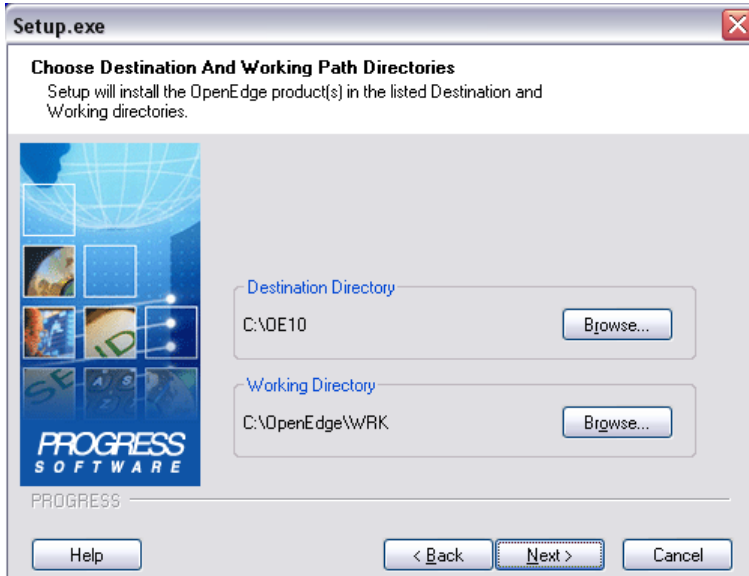


Fig. 1.1
Installing OE10

Server System Requirements

- HPUX 11i 32- and 64-bit; HPUX 11.0 32-bit
- AIX 5.1 and 5.2
- Solaris 7; Solaris 8 32- and 64-bit
- Red Hat Linux 7.2–8.0; Red Hat Linux Advanced Server 2.1
- SuSe Linux Enterprise Server 8.0
- Compaq Tru64 5.1A
- Microsoft Windows NT 4.0, Win2000, Win2003, XP
- Progress version options: Open Edge 10.1B
- Pentium class processor or equivalent
- 2 GB RAM
- 970 MB disk space (all options, does not account for database growth)

Progress Components Required for Server

- Enterprise RDBMS
- 4GL Development

Full Client System Requirements

- Windows 2000, XP
- Progress version option: Open Edge 10.1B
- Pentium class processor
- 512 MB RAM
- 100 MB Disk Space
- VGA monitor or better

Progress Components Required for Client

- Client Networking
- Query/Results
- OE Studio

If deploying over the WAN, use Terminal Server or Citrix.

Reporting Requirements

Use Actuate version 7 to run management reports. The Actuate client installation takes up to 200 MB of disk space, and reports require an additional 380 MB of disk space. Install the Actuate client on each PC client that runs reports.

An entry in the QAD EAM registry points to the shared folder; reports are called from within QAD EAM and display either on the QAD EAM screen or go to a printer.

Languages

QAD EAM supports the English (US), Dutch (DU), French (FR), German (GE), Castilian Spanish (CS), Portuguese (PO), Latin Spanish (LS), and Italian (IT) languages. These languages are part of the standard QAD EAM installation. Individual users can set language preferences in QAD EAM.

Prerequisite Steps

Installing and configuring QAD EAM requires several prerequisite steps. This section completes installation and configuration of the full QAD EAM application on the QAD EAM server and clients. The steps required are:

- QAD EAM Server Installation
- QAD EAM Full Client Installation
- MFG/UTIL (GUI) Client

Deploying QAD EAM

QAD recommends that you place the QAD EAM directory structure parallel to the directory where you installed QAD eB2.1 (*MFGPROInstallDir*). You can install QAD EAM in a different directory structure or on a different drive.

Modifying the Services File

If you are implementing a client/server environment, tailor your services files. If you add any new service names after installation, you must modify your services file. All service names, host names, and port numbers must match in the services files of each client and each database server on the network. The location of the UNIX services file on the server is typically the /etc directory. On Windows it is:

```
c:\winnt\system32\drivers\etc
```

Add database services names to your services file. Add one for each main database and support database. Limit the service name to 16 characters. You can use any unused port numbers.

Service Name	Port #/Protocol	Comment
eamprod	8650/tcp	# EAM Production Database
eamstprod	8660/tcp	# EAM Production Stat Database
eamdemo	8550/tcp	# EAM Demo Database
eamstdemo	8560/tcp	# EAM Demo Stat Database

Installing the Server MFG/Util (GUI) for Windows

Install QAD EAM using Windows or UNIX, but not both. Complete this section to install the QAD EAM files on your server. The instructions provide the Windows method. UNIX installation instructions are on page 60.

- 1 Close any open applications.
- 2 Navigate to *CDROM Drive* \install\install.exe.
- 3 Double-click the icon.
- 4 Enter 1 to start the server installation.



Fig. 1.2
Select the Server
Installation

- 5 Press Enter until you reach the end of the license agreement text.

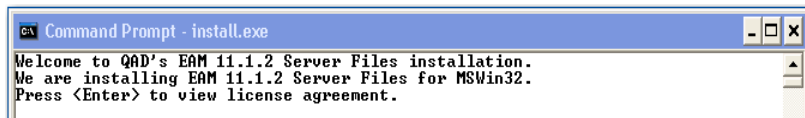


Fig. 1.3
Welcome and
License Agreement

- 6 Enter Y to accept the license agreement. You must accept the license agreement to use the application.

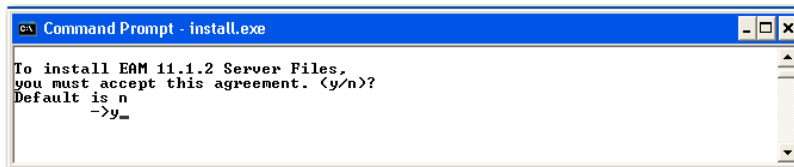


Fig. 1.4
License Agreement

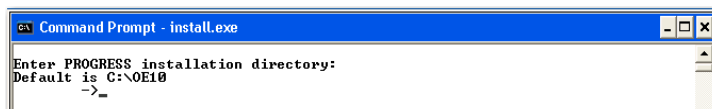
- 7 Accept the default or enter a new log file location. If you enter a new log file location, note it for future installations.

- 8 Enter Y to create the OE10 directory.

Create? (y/n)

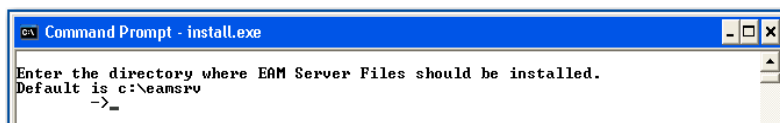
Accept the OE10 directory path or enter a new directory path.

Fig. 1.5
Progress
Installation
Directory



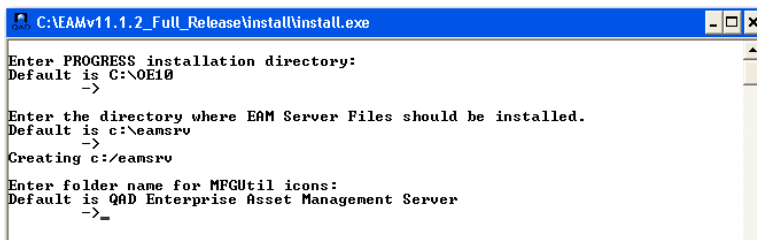
- 9 Accept the default c:\eamsrv or enter a new directory path.

Fig. 1.6
Server Files
Installation
Directory



- 10 Accept the MFGUtil icons directory path or enter a new directory path.

Fig. 1.7
Server Files
Installation
Directory



- 11 Indicate the server files location.
- 12 Indicate whether you run QAD EAM standalone or with eB2.1.

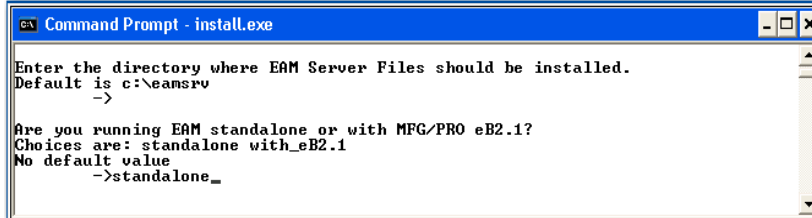


Fig. 1.8
eB2.1 or
Standalone

- 13 Indicate the codepage to run. The default is ISO8859-1.

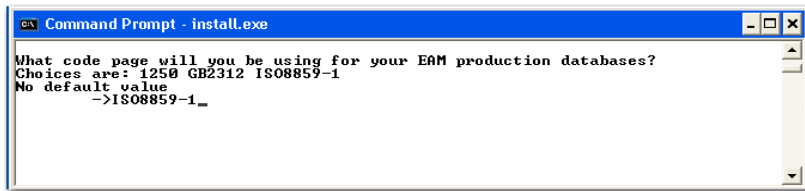


Fig. 1.9
Codepage

Note Configure Progress for the codepage to display characters in the correct language. For more information, see “Configuring Progress for Translated Languages in Windows” on page 14.

- 14 Accept the default folder name for the MFG/Util icons or enter a new folder name.
- 15 When copying is complete, press Enter to end the server installation script.

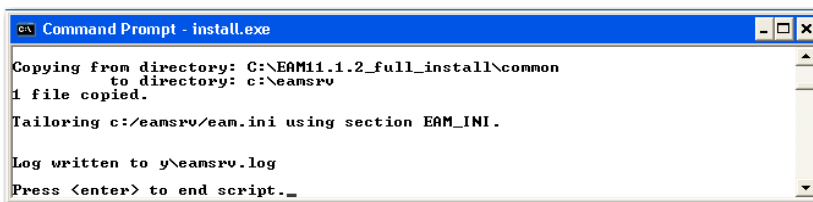


Fig. 1.10
End of Server
Installation

Configuring Progress for Translated Languages in Windows

- 1 Configure the C:\OE10\startup.pf file for the language being used.
- 2 With OpenEdge 10.1B, download the Progress PROMSGS file from the Progress website.
- 3 Extract it to the C:\OE10\prolang directory.
- 4 Replace the default startup.pf file (ISO8859-1) with the correct .pf file in the prolang directory.
For example, replace the default C:\OE10\startup.pf with C:\OE10\prolang\sch\gb2312\gb2312.pf for Simplified Chinese language support. Rename gb2312.pf to startup.pf.
- 5 Select an empty4.db from the correct codepage when creating the empty database for Windows. Empty databases are in the C:\OE10\prolang directory. This ensures that all QAD EAM databases will be copied from the correct Progress empty database.
- 6 Create a new prowrd system environment variable. For example, the variable name is PROWD251 for the GB2312 codepage; the value is <path to prowrd.251 file>. Each codepage has a unique variable and value. 1250 codepage requires no change to the default.

Table 1.1
Codepages

Language	Codepage	Path	PROWD var
English	ISO-8859-1	/usr/dlc/startup.pf	n/a
Danish		c:\OE10\startup.pf	
Finnish			
Icelandic			
Norwegian			

Language	Codepage	Path	PROWD var
Hungarian Croatian Romanian Serbian Slovak Slovenian	1250	/usr/dlc/prolang/hun/1250.pf c:\OE10\prolang\hun\1250.pf	n/a
Chinese (simplified)	GB2312	/usr/dlc/prolang/sch/gb2312/ gb2312.pf c:\OE10\prolang\sch\gb2312\gb2 312.pf	PROWD251

Creating Databases

The following steps create databases for Progress Empty, EAM Production, and EAM Demonstration. Each set contains two service entries:

- EAM DB
- EAM Stat DB

Create Progress Empty Databases. These databases contain only the database structure and no data.

Create EAM Production Databases. The production databases are copies of the databases created in the “Create Progress Empty Databases” operation set. This operation set adds default production data.

Create EAM Demonstration Databases. The demonstration databases are copies of the databases created in the “Create Progress Empty Databases” operation set. This operation set adds default demonstration data.

You also create an EAM Translation database. It does not contain the stat service entry.

Create EAM Translation Databases. The translation databases are copies of the databases created in the “Create Progress Empty Databases” operation set. This operation set adds default translation data.

1 Launch MFG/UTIL.

Start|All Programs|QAD Enterprise Asset Management Server|MFG/UTIL (GUI)

Note If there is no shortcut for prowin32, navigate to
c:\OE10\bin\prowin32.exe.

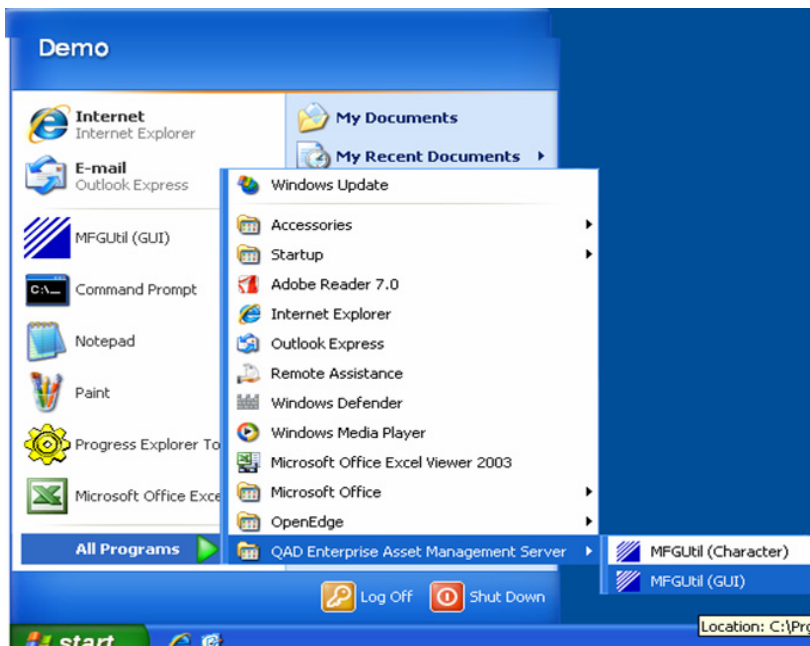
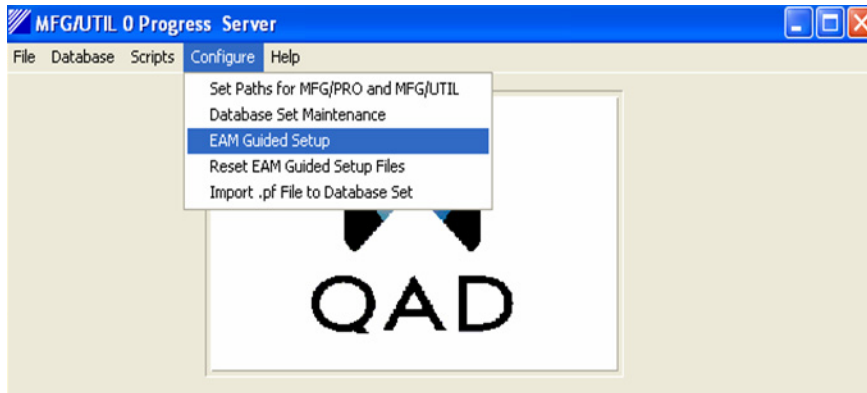


Fig. 1.11
MFG/Util (GUI)

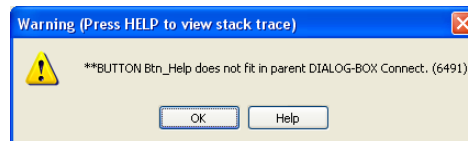
2 Choose Configure|EAM Guided Setup.

Fig. 1.12
EAM Global
Database Setup



Note If you see an error message about buttons, click OK to disregard it and continue the installation process.

Fig. 1.13
Buttons Error
Message



Creating the Progress Empty Databases

- 1 Select the Create Progress Empty Databases Operation set.

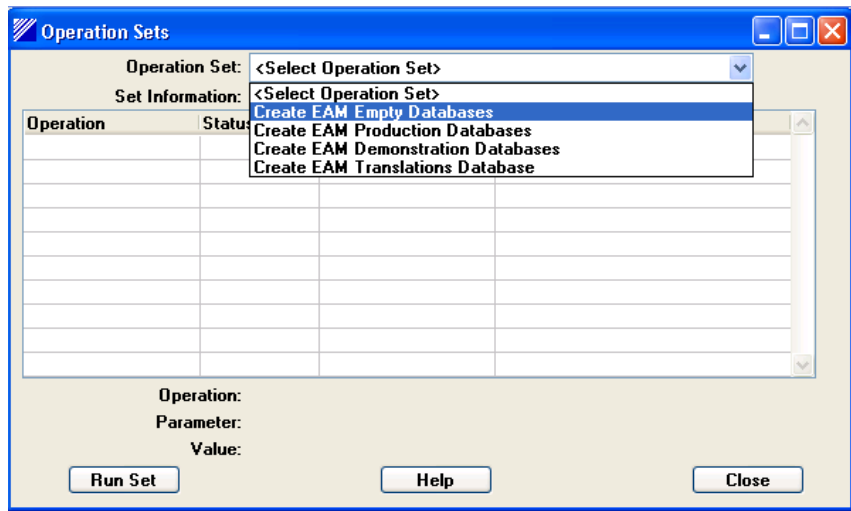


Fig. 1.14
Master Operation
Sets

- 2 Click Run Set.

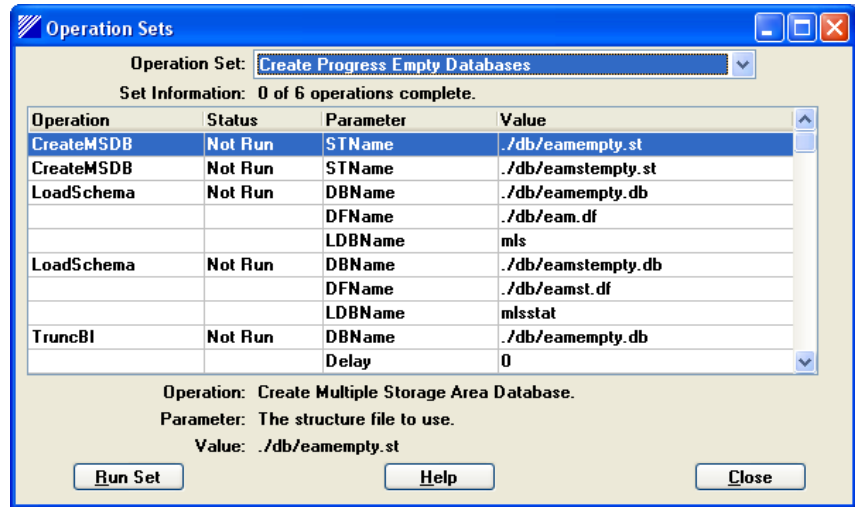
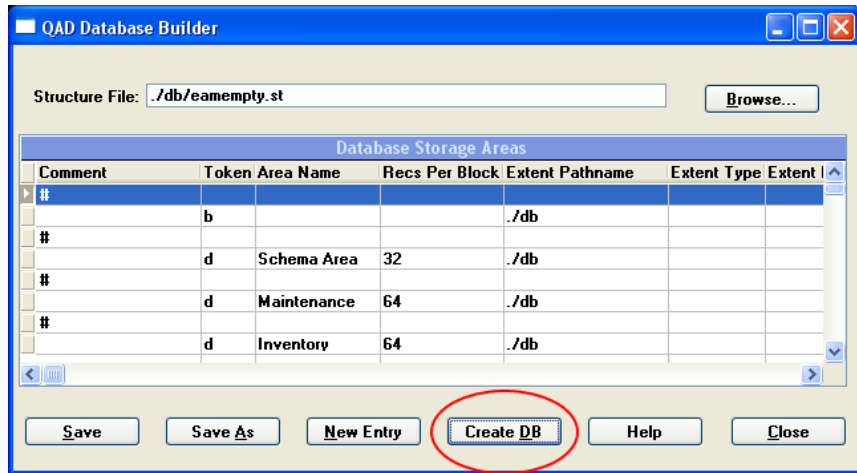


Fig. 1.15
Operation Sets
Loaded to Create
Empty DBs

Creating the EAM Database

- 3 Click Create DB.

Fig. 1.16
QAD Database
Builder



- 4 Click OK on the Create/Copy Database window.
 - a For codepage ISO8859-1, accept the default empty database.
 - b Click OK.

Fig. 1.17
Create/Copy
Database



For codepage GB2312, select the Other Database option.

- a Browse to PROLANG\SCH\GB2312.
- b Select empty4.db.
- c Click OK.

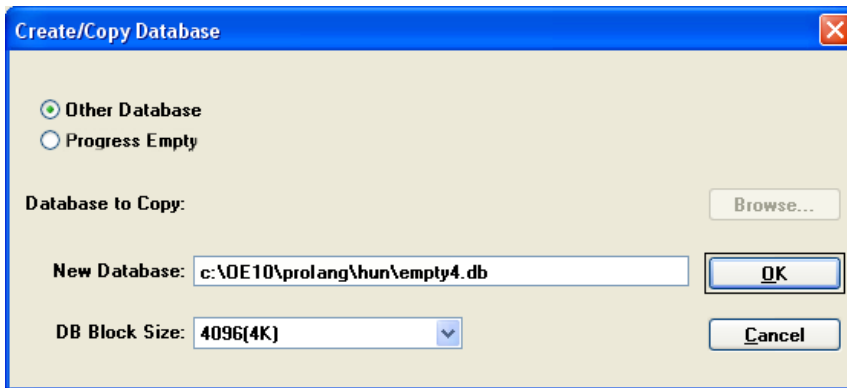


Fig. 1.18
Create/Copy
Database GB2312

For codepage 1250, select the Other Database option.

- a Browse to PROLANG\HUN.
- b Select empty4.db.
- c Click OK.

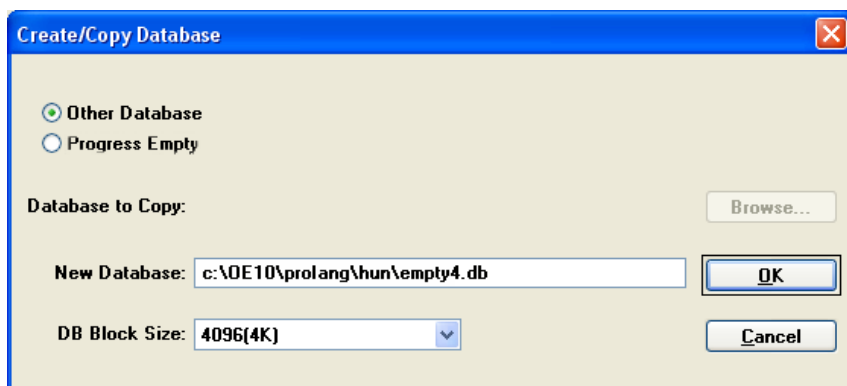
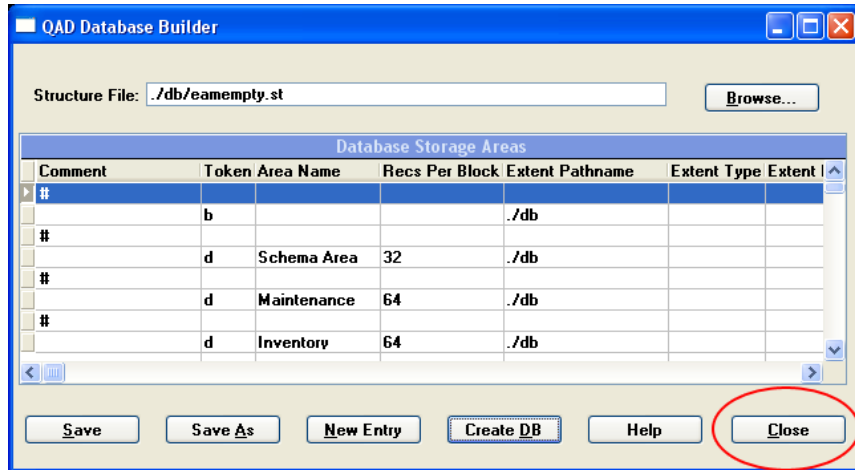


Fig. 1.19
Create/Copy
Database 1250

- 5 Click Close on the Monitor window.

- 6 Click Close on the Create/Copy Database window. The window refreshes.

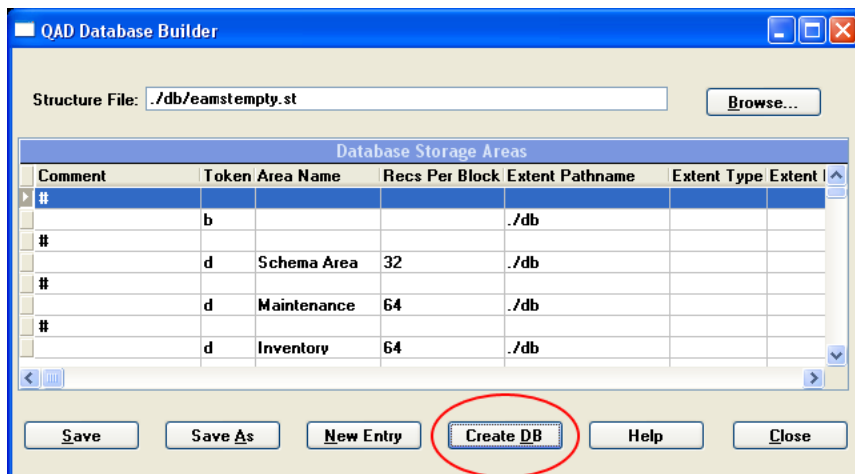
Fig. 1.20
Database Builder



Creating the EAM Stat Database

- 7 Click Create DB on the Create/Copy Database window.

Fig. 1.21
Database Builder



- 8 For codepage ISO8859-1, accept the default empty database. Click OK.

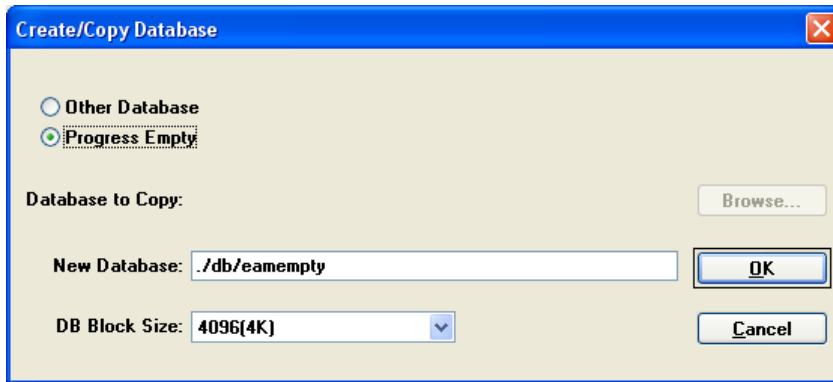


Fig. 1.22
Create/Copy
Database

For codepage GB2312, select the Other Database option.

- a** Browse to PROLANG\SCH\GB2312.
- b** Select empty4.db.
- c** Click OK.

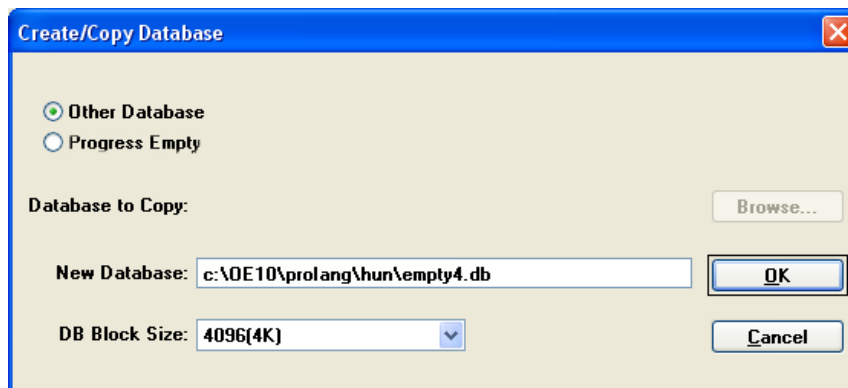
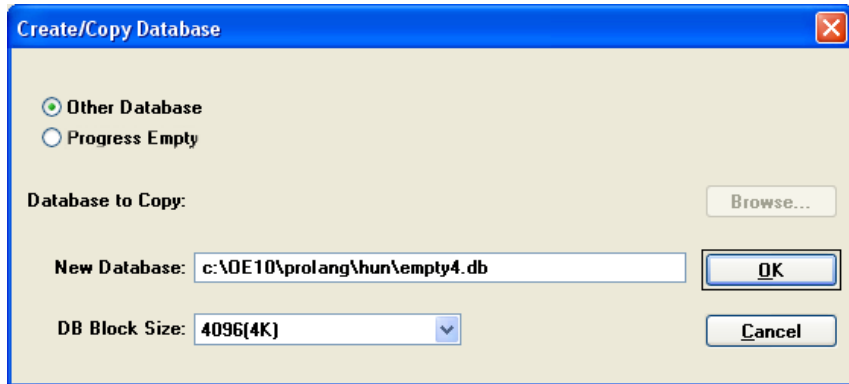


Fig. 1.23
Create/Copy
Database GB2312

For codepage 1250, select the Other Database option.

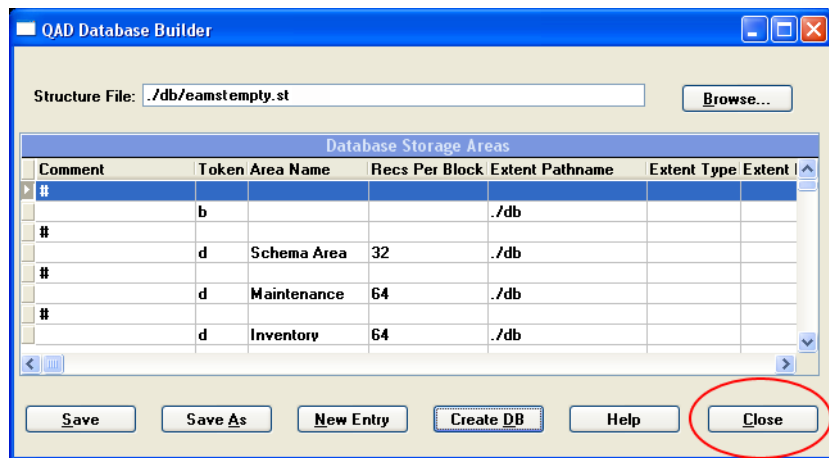
- a** Browse to PROLANG\HUN.
- b** Select empty4.db.
- c** Click OK.

Fig. 1.24
Create/Copy
Database 1250



- 9 Click Close on the Monitor window. Click Close on the Create/Copy Database window.

Fig. 1.25
Database Builder



10 Click OK to connect the eamempty.db.

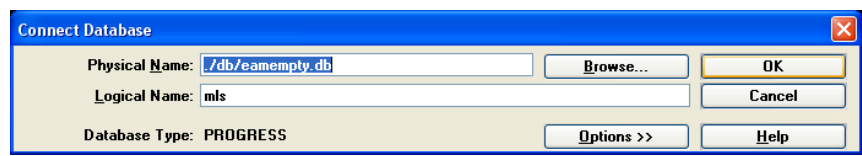


Fig. 1.26
Connect Database

11 Click OK to load data definitions.

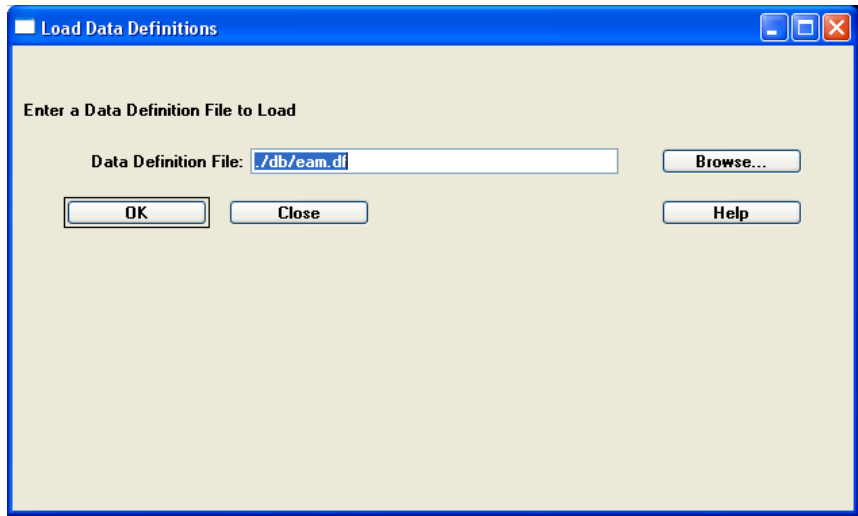


Fig. 1.27
Load Data
Definitions

12 Click Close to close the log.

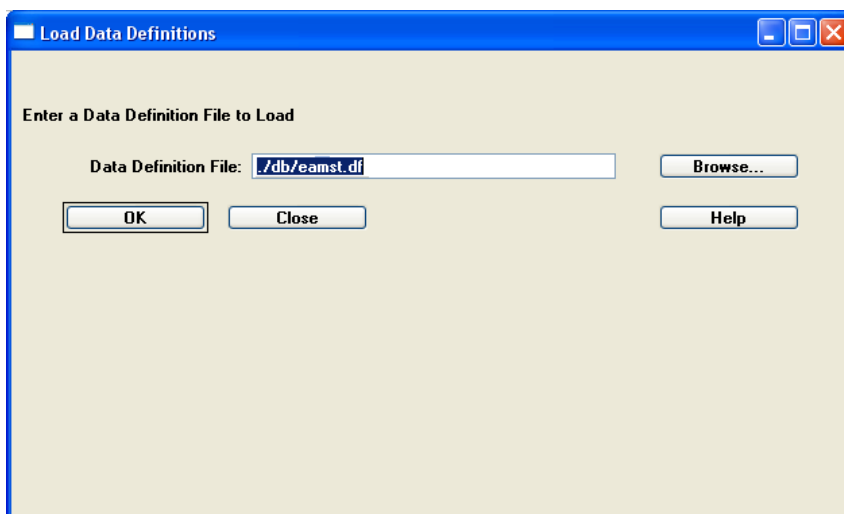
- 13 Click OK to connect the eamstat database.

Fig. 1.28
Connect Database



- 14 Click OK to load default data definitions.

Fig. 1.29
Load Data
Definitions



- 15 Click Close on the log window.

- 16 Click Truncate to truncate eamempty.db.

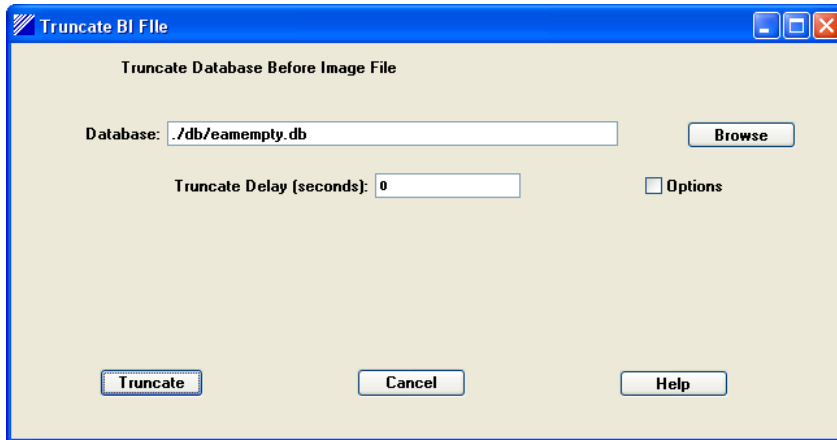


Fig. 1.30
Truncate BI

- 17 Click Close when the log indicates that the process is complete.

- 18 Click Truncate to truncate eamstempt.db.

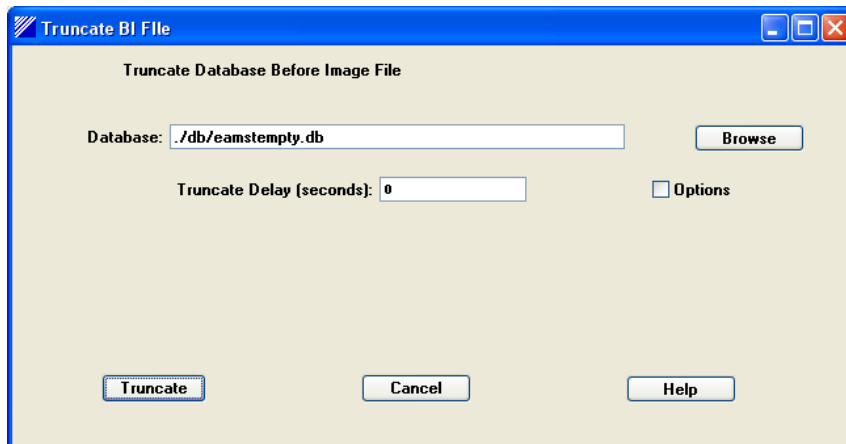
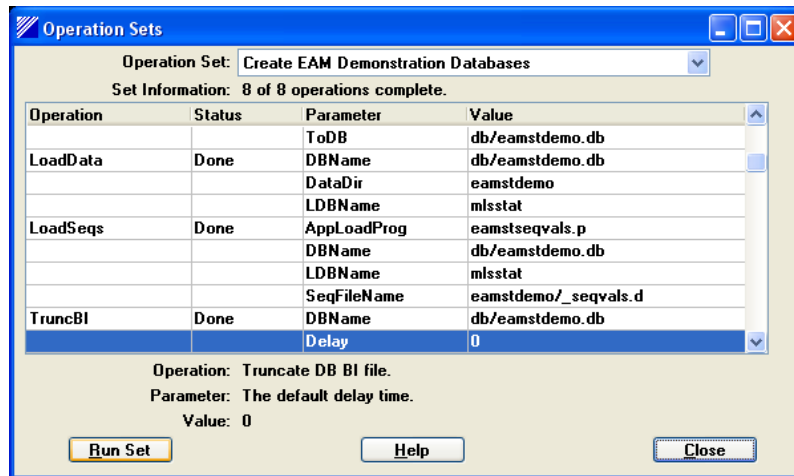


Fig. 1.31
Truncate BI

- 19 Click Close when the log indicates that the process is complete.

20 Verify in the Status column that all processes are done. Click Close.

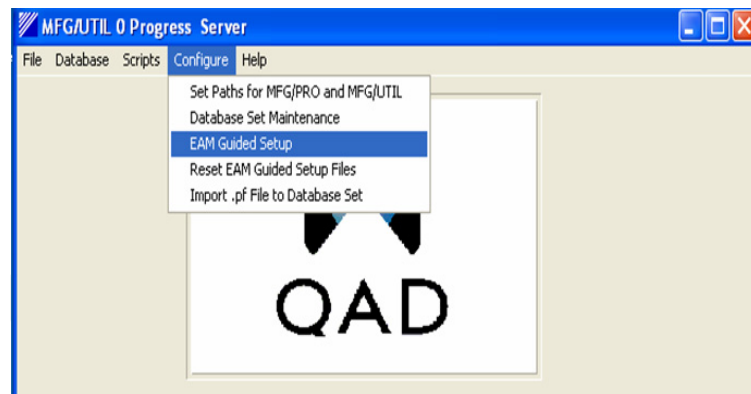
Fig. 1.32
Empty DB
Operation Sets



Creating the EAM Production Databases

1 Choose Configure|EAM Guided Setup.

Fig. 1.33
EAM Global
Database Setup



2 Select the Create EAM Production Databases operation set.

3 Click Run Set.

Note The default fixed extent area size for each area of the EAM Production database is 128. Each area also includes a variable extent. This should be adjusted if a large amount of data is to be added to the demonstration database.

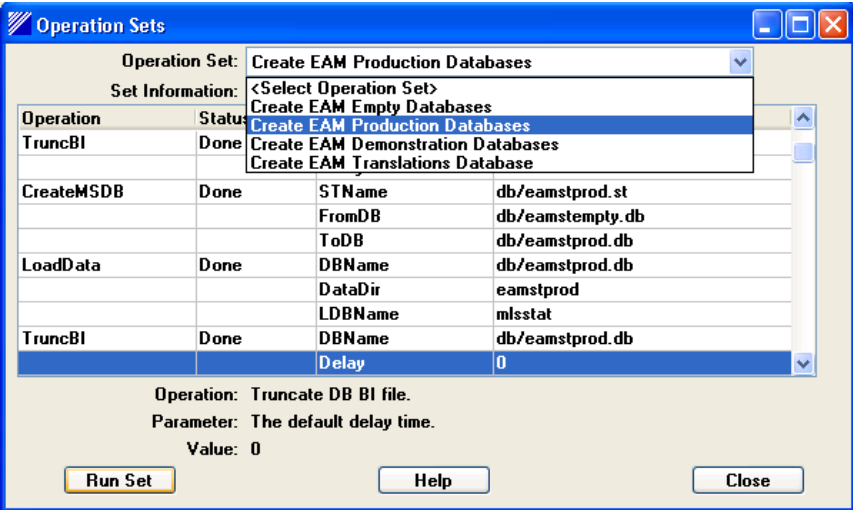
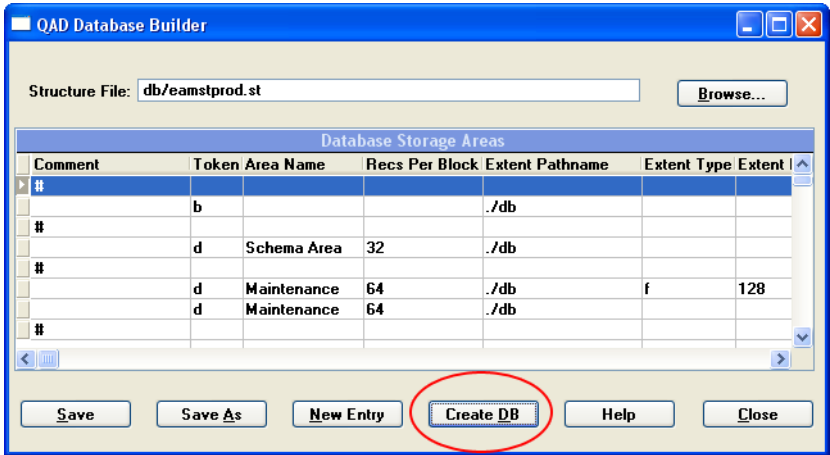


Fig. 1.34
Create Production Database

Creating the EAM Production Database

- 4 Click Create DB.

Fig. 1.35
Create Production
Database



- 5 Accept the defaults and click OK.

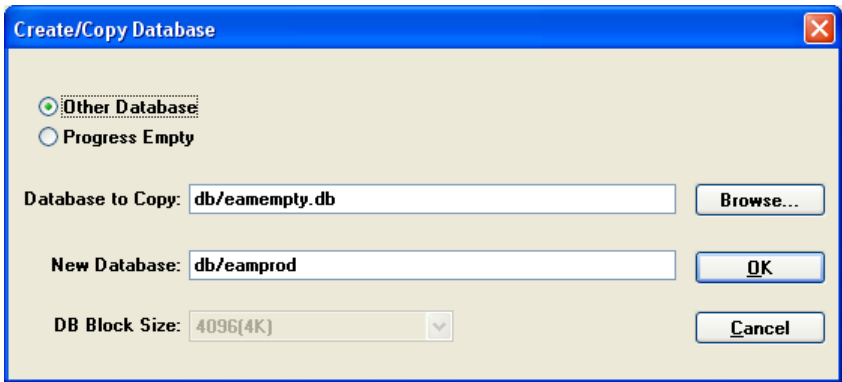


Fig. 1.36
Production
Database Builder

- 6 Click Close when the monitor indicates that the process is complete.
- 7 Click Close to refresh the Database Builder window.

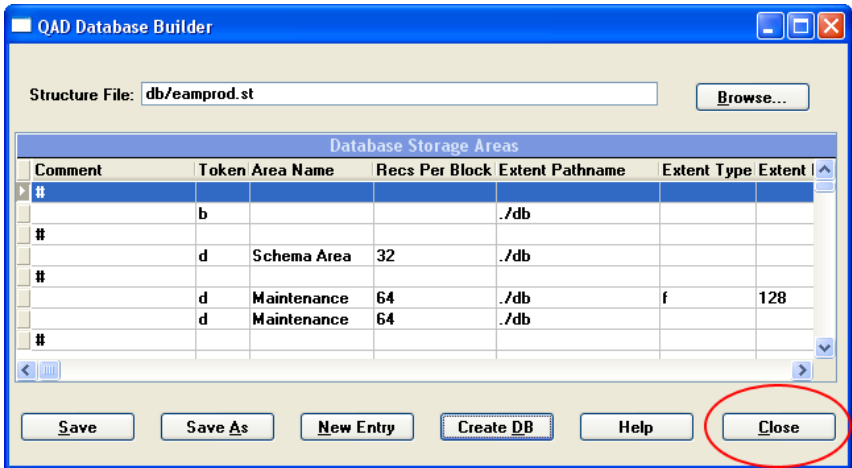
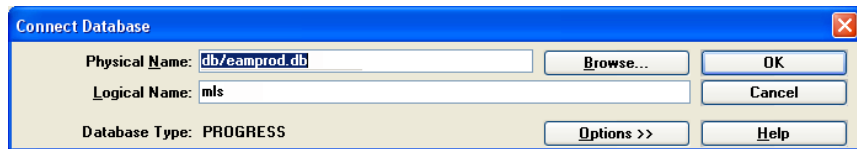


Fig. 1.37
Production
Database Monitor

- 8 Click OK to connect to the eamprod database.

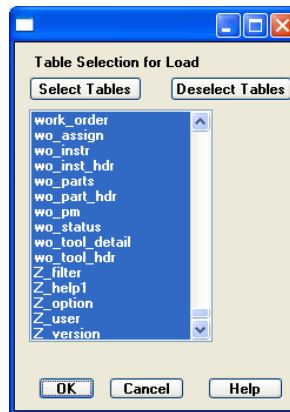
Fig. 1.38
Eamprod Database



- 9 Click Close when the log indicates that the process is complete.

- 10 Click OK to select all tables.

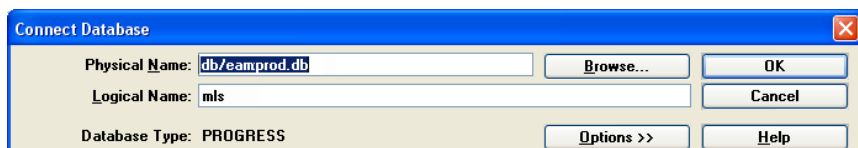
Fig. 1.39
Prod Database
Table Selection



- 11 Click Close when the log indicates that the process is complete.

- 12 Click OK to connect the database.

Fig. 1.40
Prod Database
Load Contents



- 13 Click OK to load a sequences value file.

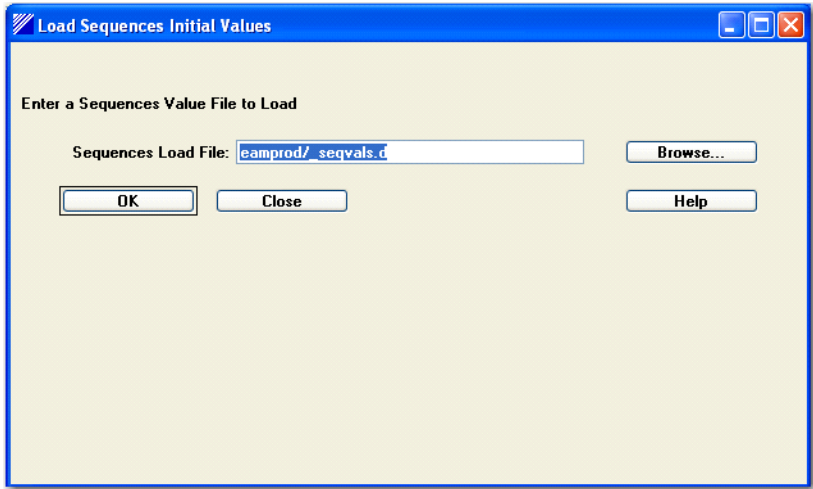


Fig. 1.41
Sequences Value
File

14 Click Truncate to truncate eamprod.db.

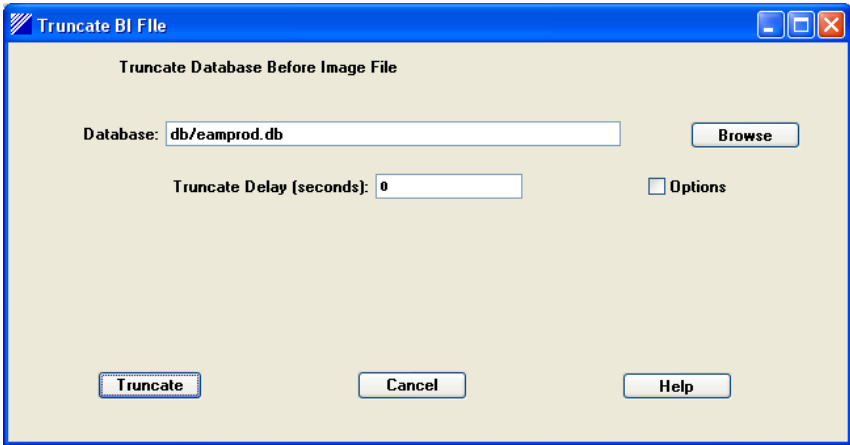


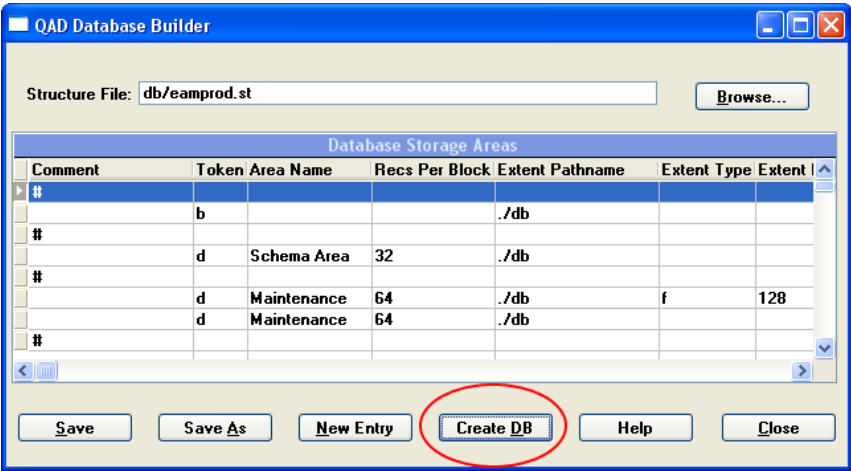
Fig. 1.42
Prod Database
Truncate BI

15 Click Close on the monitor window when the process is complete.

Creating the EAM Production Stat Database

16 Click Create DB to create the prod stat database.

Fig. 1.43
Prod Database
Builder



17 Click OK to accept the default location for the prod stat database.

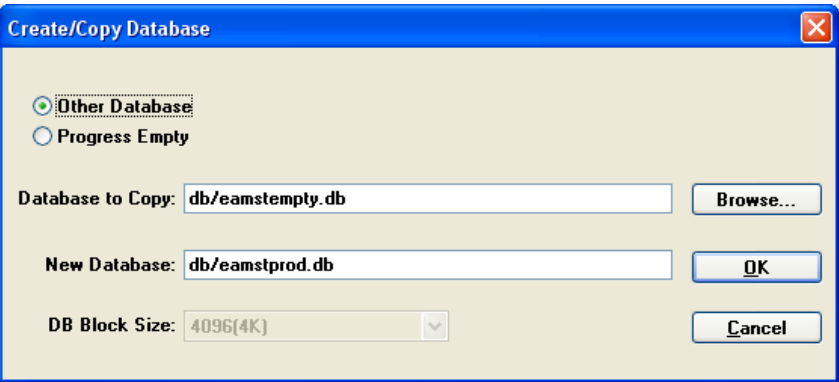


Fig. 1.44
Prod Database
Create and Copy

18 Click Close on the monitor window when the process is complete.

19 Click Close on the Database Builder window to continue the database building process.

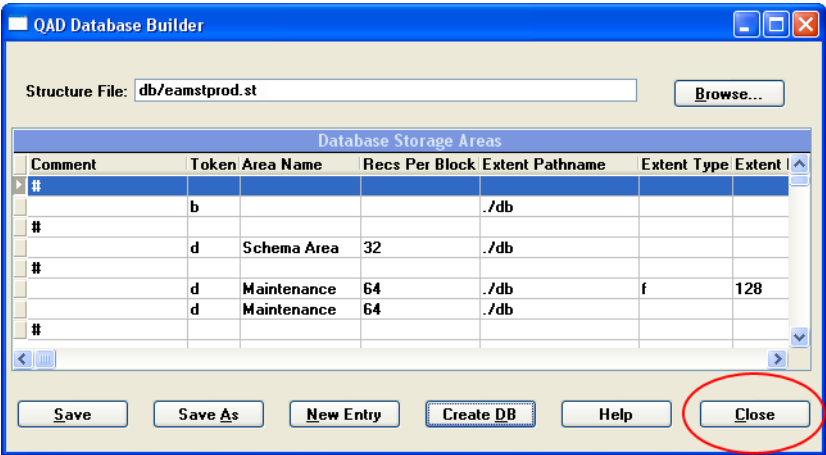
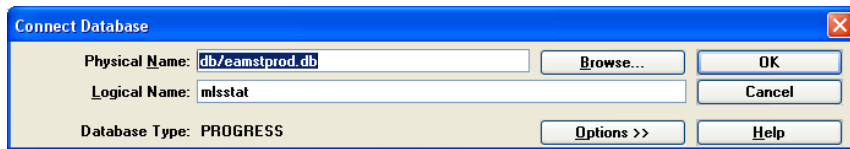


Fig. 1.45
Prod Stat Database
Builder

20 Click OK to connect the EAM Stat Prod Database.

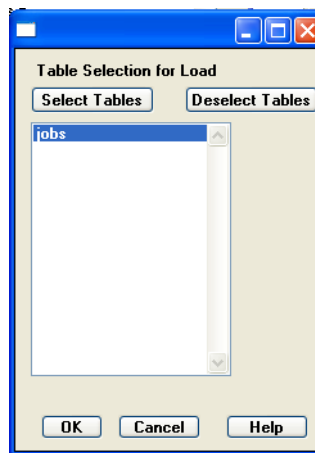
Fig. 1.46
Prod Stat Database
Connect



21 Click Close on the log window when the process is complete.

22 Click OK on the Table Selection for Load window.

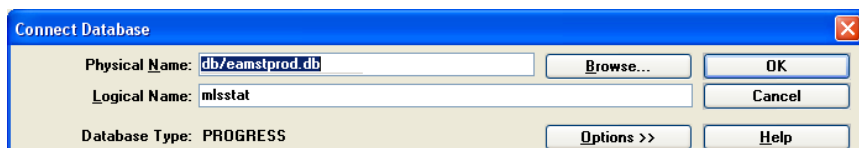
Fig. 1.47
Prod Table
Selection for Load



23 Click Close on the log window when the process is complete.

24 Click OK on the Connect Database window.

Fig. 1.48
Prod Stat Database
Connect Database



25 Click OK to load a sequences value file.

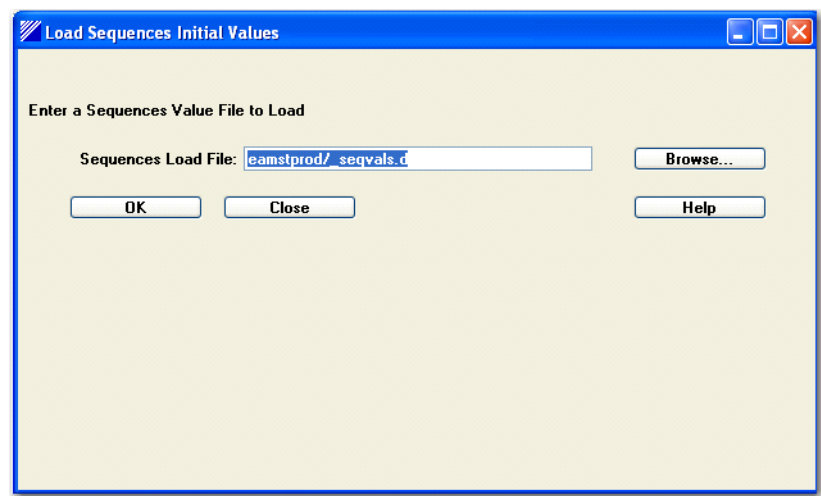


Fig. 1.49
Load Sequences
Value File

26 Click Truncate to build eamstprod.db.

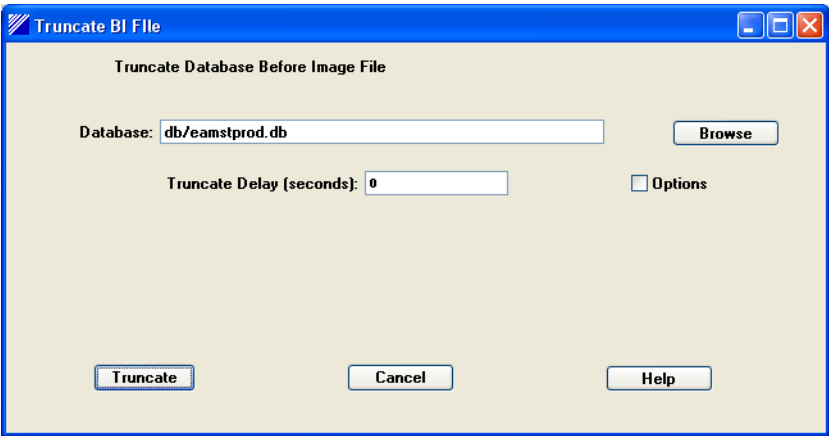


Fig. 1.50
Prod Database
Truncate BI

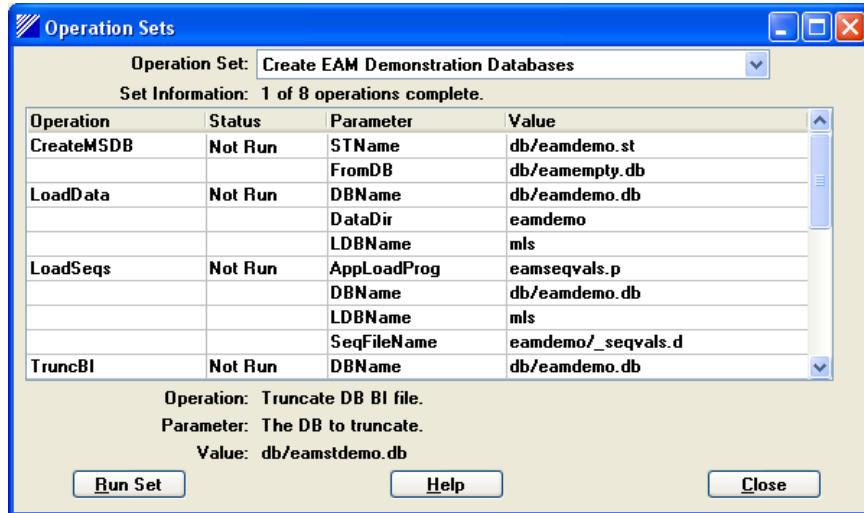
27 Click Close on the monitor window when the process is complete.

Creating the EAM Demonstration Databases

The Operations Sets window opens again.

- 1 Select the Create EAM Demonstration Databases operation set.

Fig. 1.51
Demo Database
Operation Set



- 2 Click Run Set.

Note The default fixed extent area size for each area of the EAM Production database is 128. Each area also includes a variable extent. This should be adjusted if a large amount of data is to be added to the demonstration database.

3 Click Create DB.

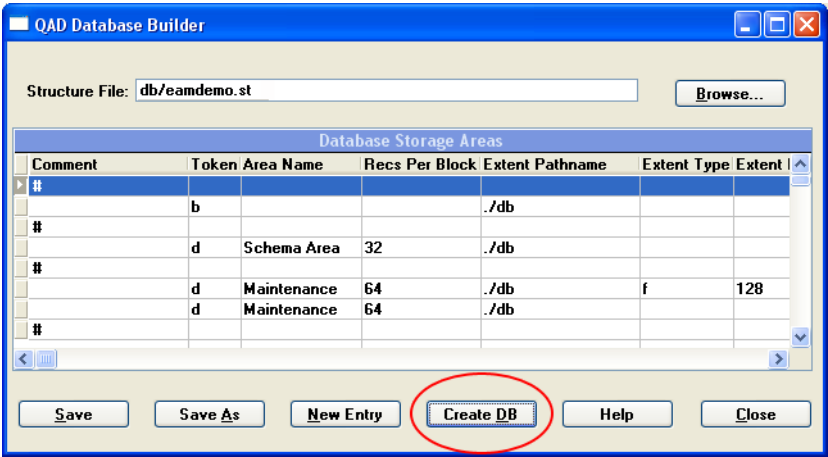


Fig. 1.52
Demo Database
Builder

4 Click OK to create/copy the Demo database.

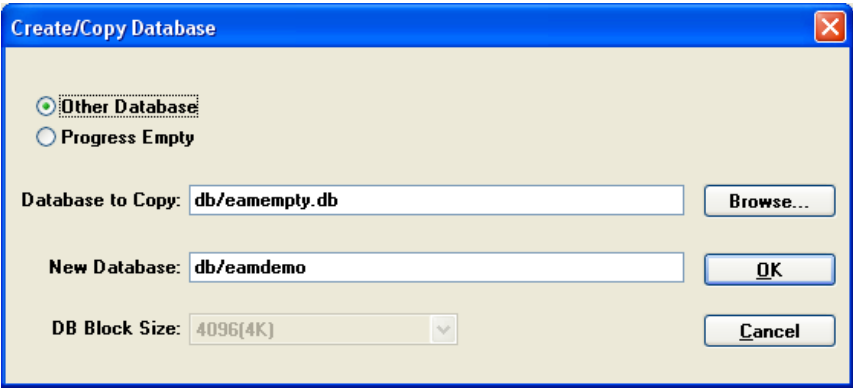
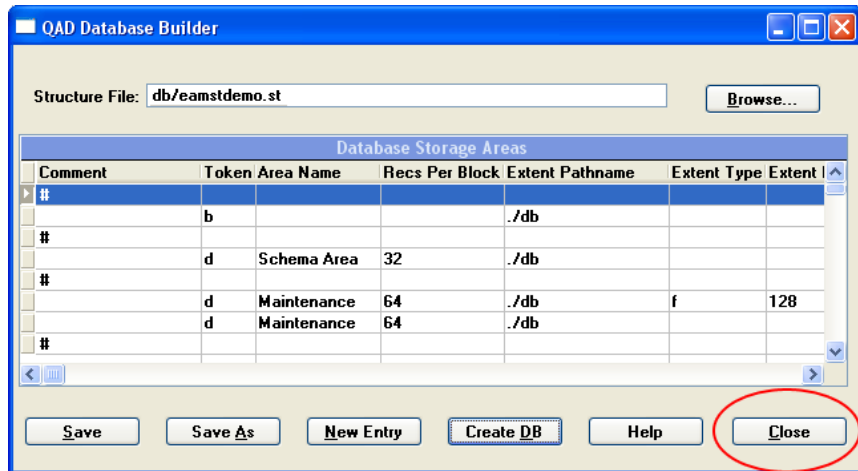


Fig. 1.53
Demo Database
Create/Copy

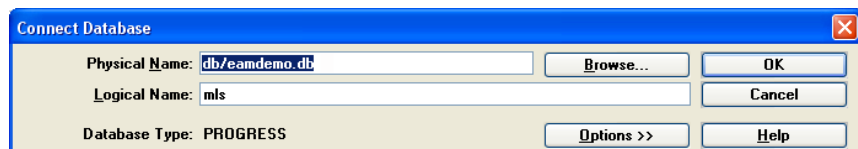
- 5 Click Close when the log indicates that the process is complete.
- 6 Click Close on the Database Builder.

Fig. 1.54
Demo Database
Builder



- 7 Click OK to connect the Demo Database.

Fig. 1.55
Connect Demo
Database



- 8 Click Close when the log indicates that the process is complete.
- 9 Click OK to select all tables.

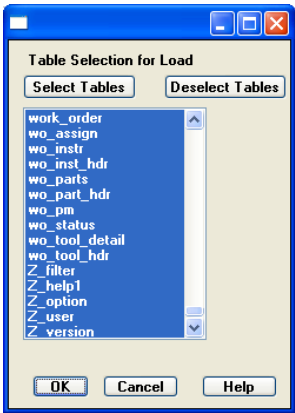


Fig. 1.56
Demo Database
Table Selection

- 10 Click Close when the log indicates that the process is complete.
- 11 Click OK to connect the database.

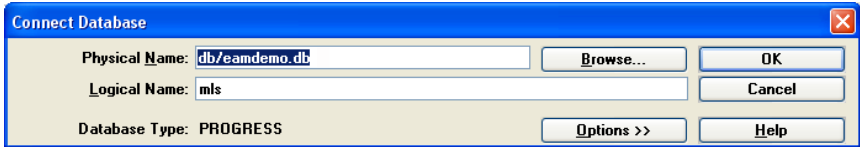


Fig. 1.57
Connect Demo
Database

- 12 Click OK to load a sequences value file.

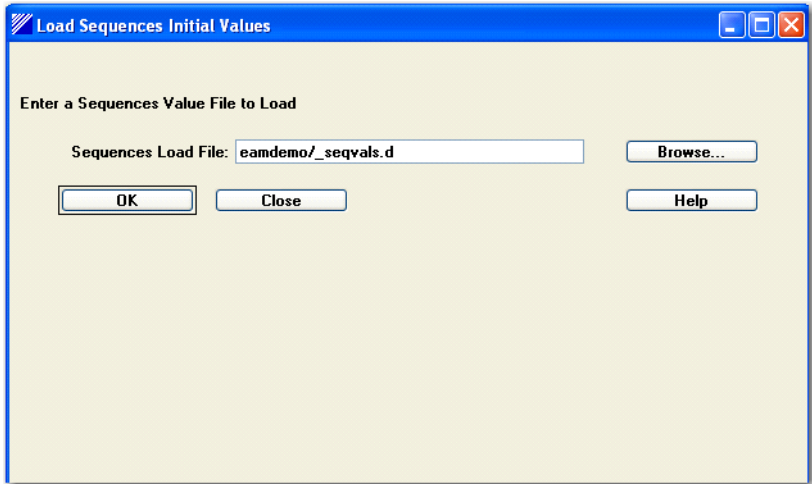
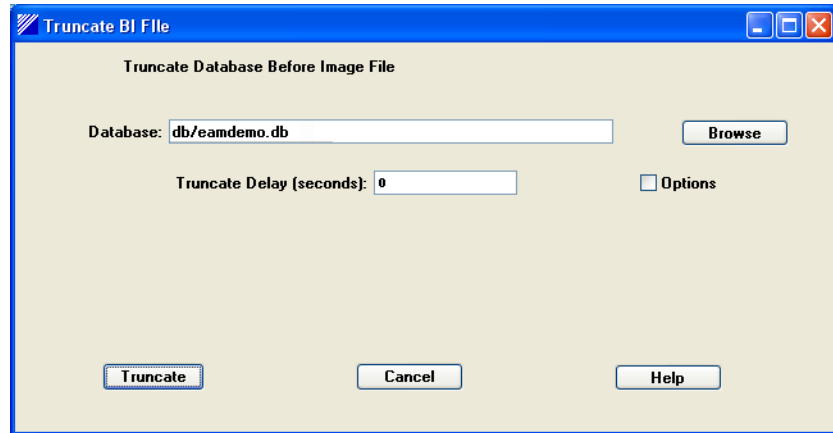


Fig. 1.58
Load Sequences
Value File

- 13 Click Truncate to truncate eamdemo.db.

Fig. 1.59
Demo Database
Truncate BI

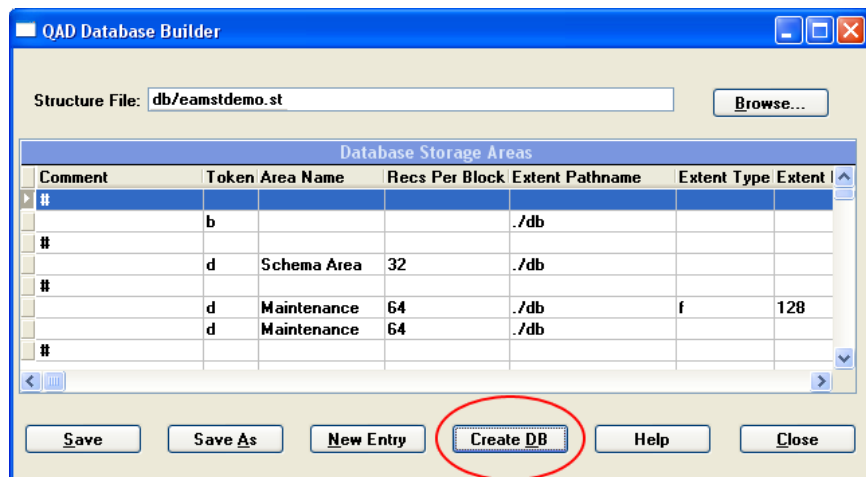


- 14 Click Close on the monitor window when the process is complete.

Creating the EAM Demonstration Stat Database

- 15 Click Create DB to create the stat database.

Fig. 1.60
Demo Stat
Database Builder



- 16 Click OK to accept the default location for the demo stat database.

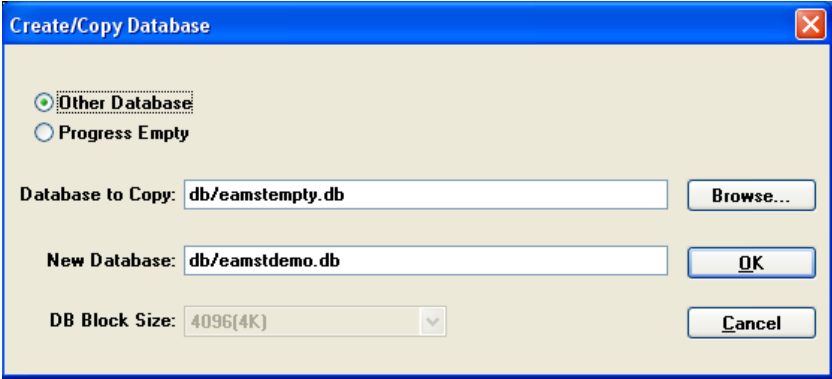


Fig. 1.61
Stat Database
Create and Copy

- 17 Click Close on the monitor window when the process is complete.
- 18 Click Close on the Database Builder window to continue the database building process.

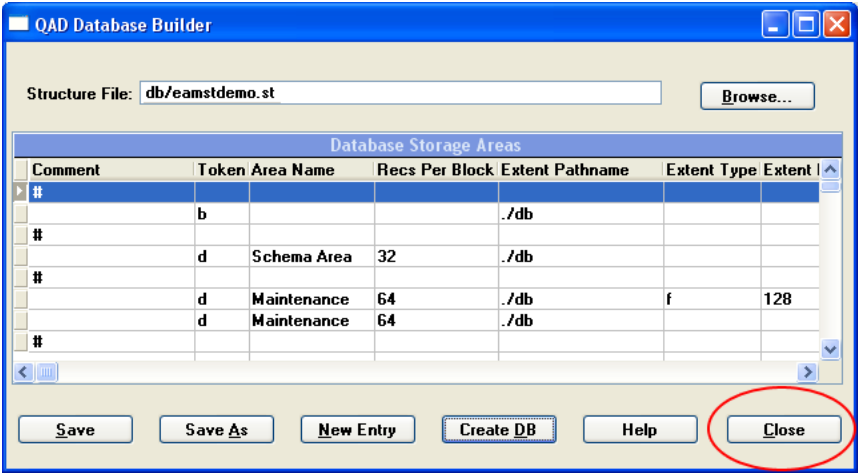
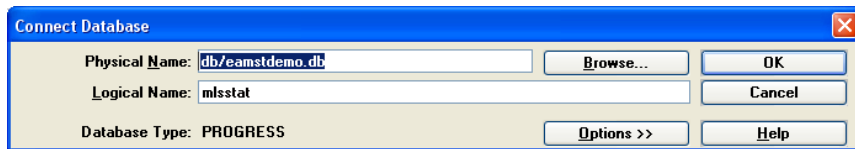


Fig. 1.62
Stat Database
Builder

- 19 Click OK to connect the EAM Stat Demo Database.

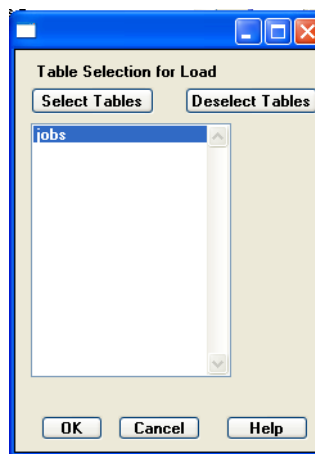
Fig. 1.63
Stat Database
Connect



20 Click Close on the log window when the process is complete.

21 Click OK on the Table Selection for Load window.

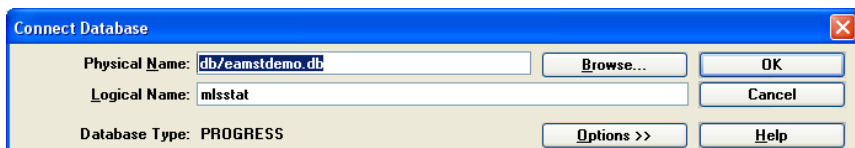
Fig. 1.64
Stat Table Selection
for Load



22 Click Close on the log window when the process is complete.

23 Click OK on the Connect Database window.

Fig. 1.65
Stat Database
Connect



24 Click OK to load a sequences value file.

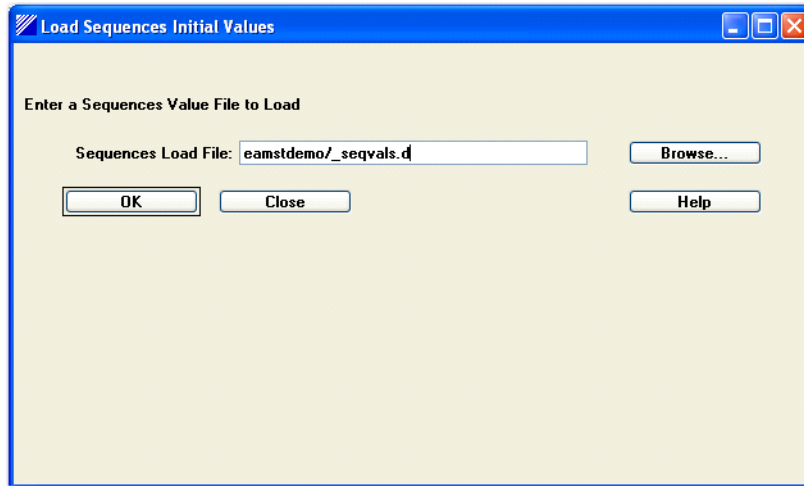


Fig. 1.66
Load Sequences
Value File

25 Click Truncate to truncate `eamstempty.db`.

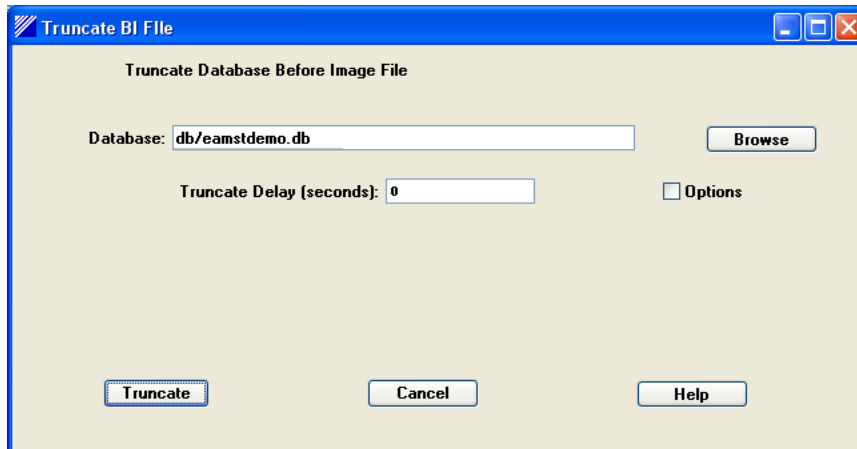


Fig. 1.67
Stat Database
Truncate BI

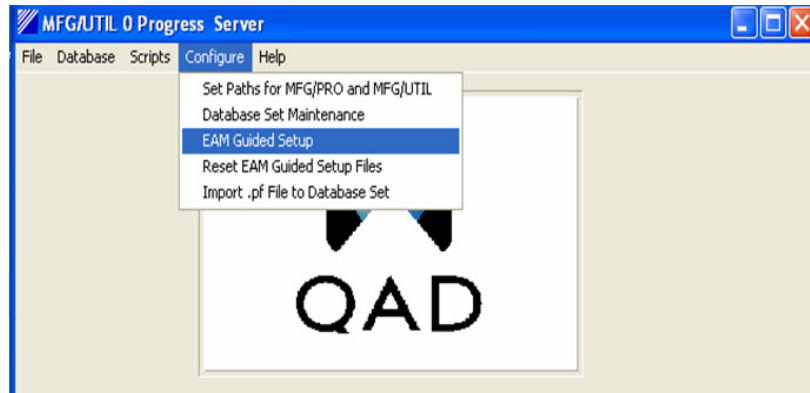
26 Click Close on the monitor window when the process is complete.

27 Close the Operation Sets window.

Creating the EAM Translations Database

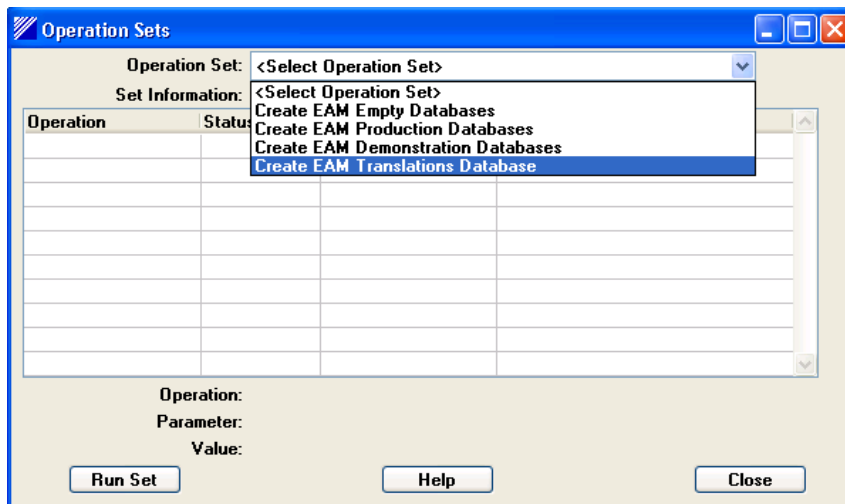
- 1 Choose Configure|EAM Guided Setup.

Fig. 1.68
EAM Global
Database Setup



- 2 Select the Create EAM Translations Database operation set.
- 3 Click Run Set.

Fig. 1.69
Create Translations
Database



- 4 Click Create DB.

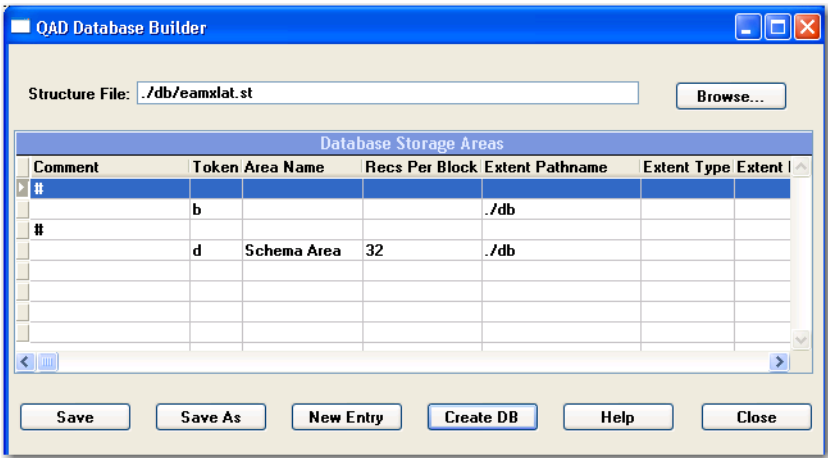


Fig. 1.70
Create Translation
Database

- 5 For codepage ISO8859-1, accept the default empty database. Click OK.

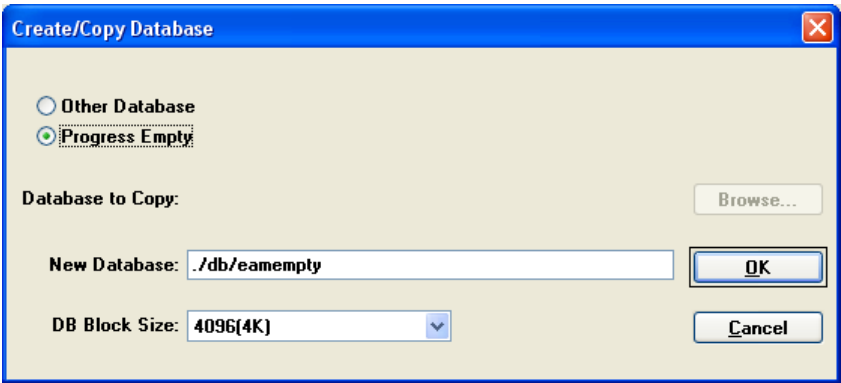
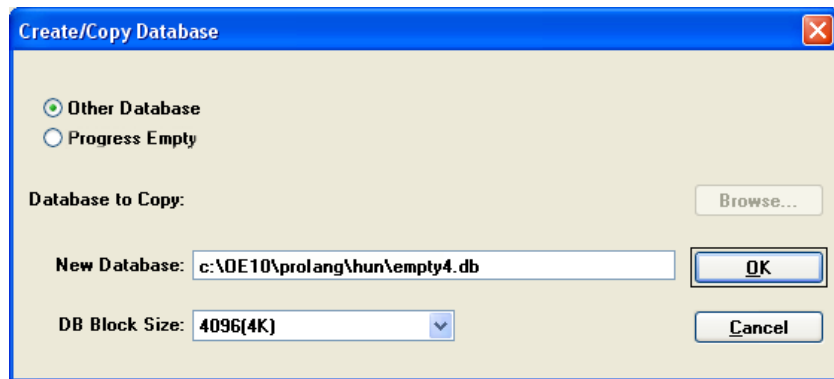


Fig. 1.71
Create/Copy
Database

For codepage GB2312, select the Other Database option.

- a Browse to PROLANG\SCH\GB2312.
- b Select empty4.db.
- c Click OK.

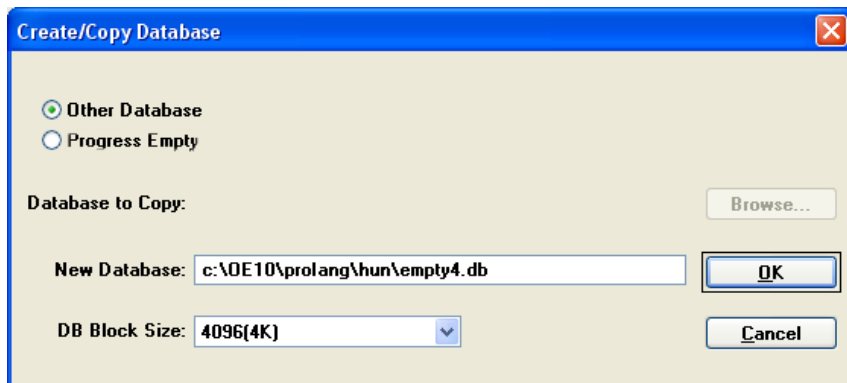
Fig. 1.72
Create/Copy
Database GB2312



For codepage 1250, select the Other Database option.

- a Browse to PROLANG\HUN.
- b Select empty4.db.
- c Click OK.

Fig. 1.73
Create/Copy
Database 1250



- 6 Click Close when the monitor indicates that the process is complete.
- 7 Click Close to refresh the Database Builder window.

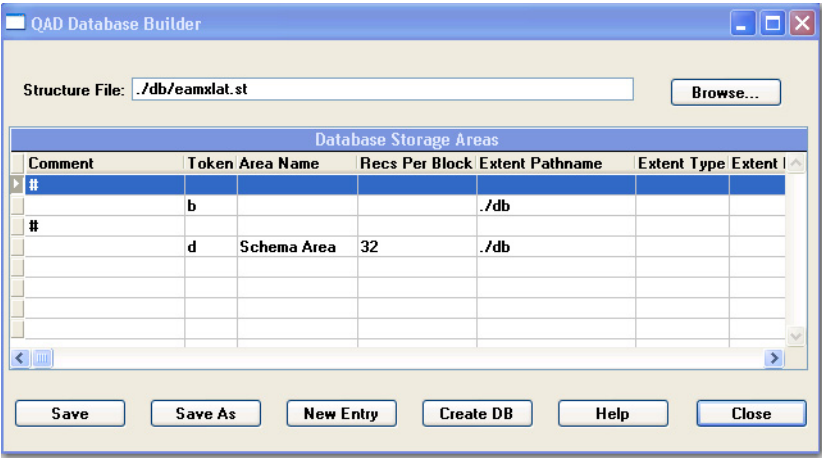


Fig. 1.74
Translations
Database Monitor

8 Click OK to connect to the translation database.

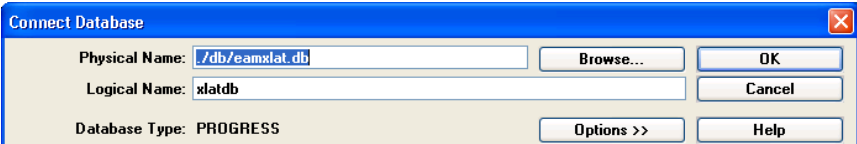


Fig. 1.75
Translation
Database

9 Click Close when the log indicates that the process is complete.

10 Click OK to load a Data Definition file.

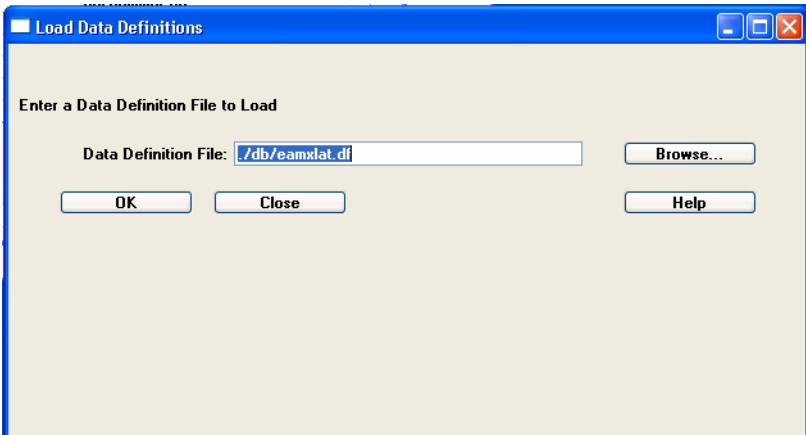
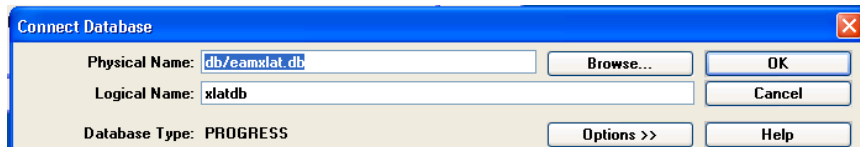


Fig. 1.76
Translation Data
Definition File

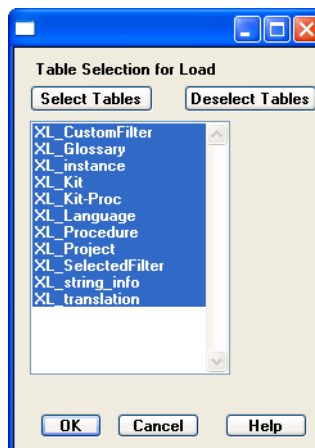
- 11 Click Close when the log indicates that the process is complete.
- 12 Click OK to connect the database.

Fig. 1.77
Translation
Database Connect



- 13 Click OK to accept the tables.

Fig. 1.78
Translation
Database Tables



- 14 Click Close when the log indicates that the process is complete.
- 15 Click Truncate to truncate eamxlat.db.

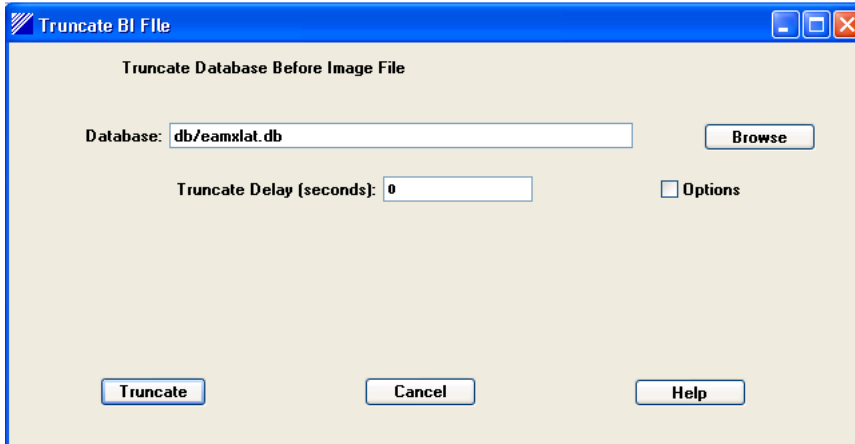


Fig. 1.79
Translations
Database Truncate
BI

- 16 Click Close on the monitor window when the process is complete.
- 17 Close the operation set window.

Configuring Database Sets

QAD EAM is a multi-database application that requires a minimum of two databases connected concurrently to a single session. Each QAD EAM client session connects to a main QAD EAM database and the stat database. If your EAM is integrated with the QAD ERP application, you also connect to its database.

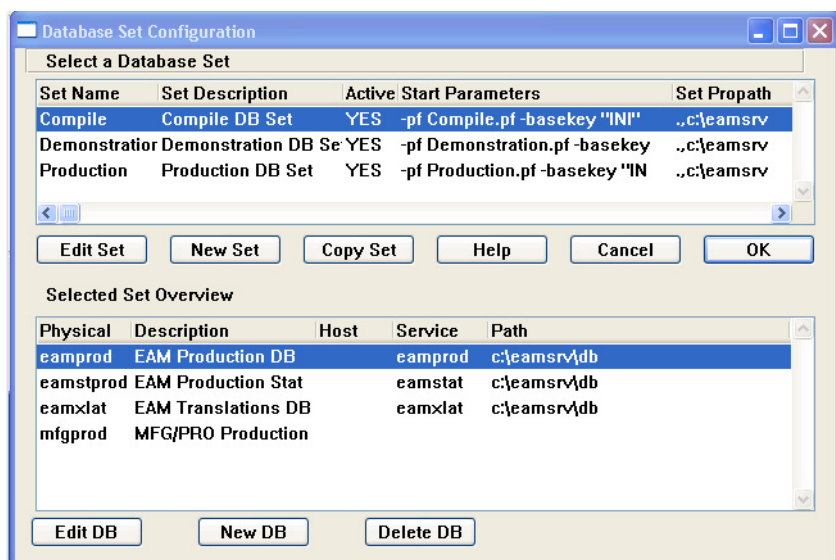
MFG/UTIL uses database sets to link various databases together. Each database set you create in MFG/UTIL generates startup and shutdown scripts (UNIX) or shortcuts and initialization and parameter files (Windows) so client sessions can correctly launch and close all the related databases together.

Create database sets for each group of production databases. Configure each database in a set for the server and clients.

Database Set Configuration Screen

Review the following figure to become familiar with the Database Set Configuration screen.

Fig. 1.80
Database Set
Configuration
Overview



Launch the Database Set Maintenance to scroll up and down in the list of database sets. Potential database sets display by default. When the set you want to edit is highlighted, you can click buttons to take action.

After verifying and modifying the database sets, click OK to generate scripts. The system saves your work.

Set Up Database Sets

- 1 Launch the character client MFG/UTIL on the database server.
./mfgutil
In Windows, double-click the GUI or character MFG/UTIL icon.
- 2 Select Configure|Database Set Maintenance. The Database Set editor opens.
- 3 Select the database set you want to edit. The following screens show the Production database set.

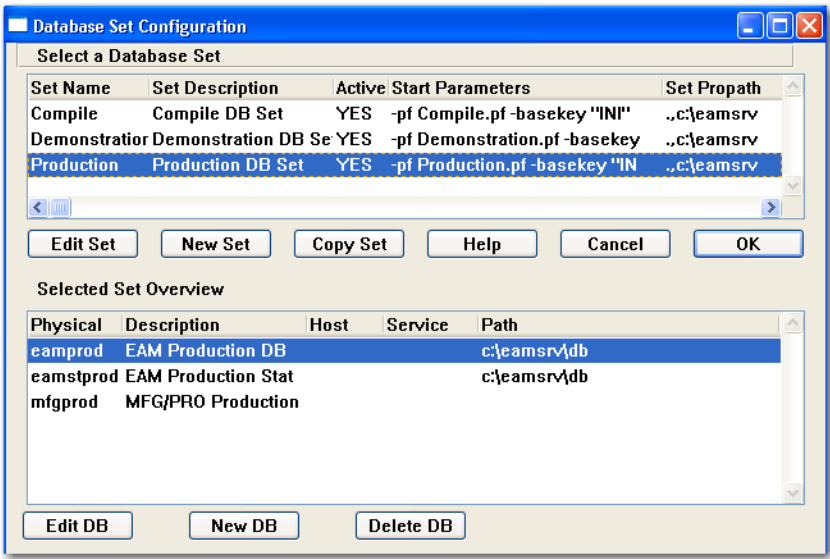


Fig. 1.81
Production
Database Set

- 4 Select Edit Set.
- 5 Verify that the Active value is Yes.
When the Database Sets screen displays, complete the fields as below.

Fig. 1.82
Edit Set for
Production
Database Set

Database Sets

Database Set Parameters

Set Name: Production

Set Description: Production DB Set

Start Parameters: -pf Production.pf -basekey "INI" -iname eam.ini

Desktop Start Parameters: -rereadnolock -pf Production.pf -basekey "INI" -iname eam.ini

Active: YES

Edit Set Propath: ..c:\eamsrv

OK Cancel Help New Delete

Field	Description
Set Description	Specify an optional description of the database.
Start Parameters	This field contains the default start parameters for the Progress database servers. For more information, refer to the Progress <i>Database Administration Guide and Reference</i> .
Desktop Start Parameters	This field contains the default start parameters for the database set under eamsrv.
Active	Indicate whether scripts are created for this database set when using the Generate Scripts option on the Scripts menu.
Set Propath	Specify the Progress search path (PROPATH) the databases in the set use to access programs during an QAD EAM session.

- 6 In Database Set Maintenance, highlight the main database and tab to the Selected Set Overview frame. The default databases in the database set are listed. Select the main database in the set.

Set Name	Main DB	Stat DB
Compile	eamxlat	
Demonstration	eamdemo	eamstdemo
Production	eamprod	eamstprod

- 7 Configure the production database by selecting it and choosing Edit Database.
- a When the Database Parameters screen displays, complete the fields using the following figure and table as guides.

The screenshot shows a Windows-style dialog box titled "Database Parameters". It contains several input fields and buttons. The fields are: Physical (eamprod), Logical (mls), Description (EAM Production DB), Path (c:\eamsvr\ddb), Connect Params (-pls -q -s 512 -nb 255 -noincrwarn), Connection Type (ClientServer), Host (empty), Service (empty), and Server Params (-Mn 2 -Ma 10 -n 21 -L 20000 -B 2000 -ServerType BOTH). At the bottom are buttons for OK, Cancel, Help, New, and Delete.

Fig. 1.83
Eamprod Database
Parameters

Field	Description
Physical	Specify the physical name of the database; accept the default if there is one. Physical and Services values must match.
Logical	Do <i>not</i> change the logical name for any database.
Description	Specify an optional description of the database.
Connect Params	Manually add "-s 512" for default client connections, or enter additional Progress startup parameters as required. For more information, refer to the Progress <i>Database Administration Guide and Reference</i> .
Connection Type	For localhost connections, choose the default, Local. Use the client/server option if the client is connecting to a remote database server using Progress networking.
Host	If you choose a client/server connection, enter the host name of the machine where the database is located.

Table 1.2
Client Database
Parameter Values

Field	Description
Service	For client/server connections, enter a service name for the database that corresponds to an entry in your <code>/etc/services</code> file. You must make the entries in the <code>services</code> file separately; the installation does not change this file. Physical and Services values must match.
Path	If you choose a Local connection type, enter the full path to the directory containing the database file (extension <code>.db</code>). By default, this is the <code>eamsrv\.\db</code> .
Server Params	Add <code>-S</code> to all databases to <code>StartProduction.bat</code> to enable server connections, or enter additional Progress startup parameters as required. For more information, refer to the <i>Progress Database Administration Guide and Reference</i> .

- 8 When ready, click OK to continue.
- 9 Once you have configured each database in a set—including production and demonstration—verify the database set in the Selected Set Overview frame.
Note If EAM is not integrated with the QAD ERP application, delete the MFGPRO database. Update other parameters.
- 10 Repeat steps 1 through 7 for each database set.
- 11 When you have configured the databases you are implementing, click OK in the Database Set Configuration window.

Creating Scripts and Database Shortcuts

Create startup and shutdown scripts or shortcuts for each active database set. You can edit these scripts and icons after you generate them. There are two types of scripts or icons:

- UNIX scripts
- Windows GUI session icons

- 1 If you are using MFGUTIL (GUI), go to Scripts|Generate Scripts. The Server Script Creation screen displays by default when you click OK in the Database Sets screen.

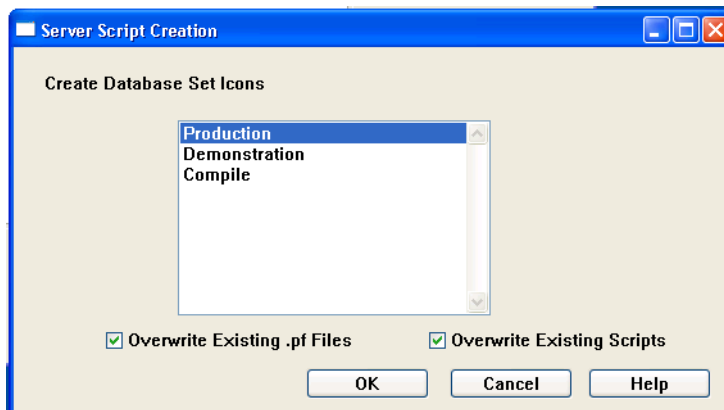


Fig. 1.84
MFGUTIL

- 2 Press the spacebar or click in Windows to select database sets.
- 3 Click OK.
- 4 Click Yes to confirm the generation.
- 5 For Windows shortcuts, select the program folder where you want to store the shortcuts.
- 6 In Windows, click Next to generate the shortcuts.

Note The Windows icon build is completed by the `makeicon.exe` program. This program must be in your `PROPATH`. It is located in `eamsrv` by default.

- 7 For UNIX systems, MFG/UTIL creates the scripts listed in the table below for each database set. Use these scripts, or copies of them, for all startup and shutdown processes. The scripts are created in the eamsrv.

Table 1.3
UNIX Scripts
Generated by
MFG/UTIL

Script	Description
<i>start.DBsetName</i>	This script starts servers for the databases in the set. <i>start.Production</i> starts servers for <i>eamprod.db</i> , and <i>eamstprod.db</i> .
<i>stop.DBsetName</i>	This script shuts down servers for all databases in the set.

Windows shortcuts are Start and Shutdown for each database set and a client script to launch the QAD EAM character client.

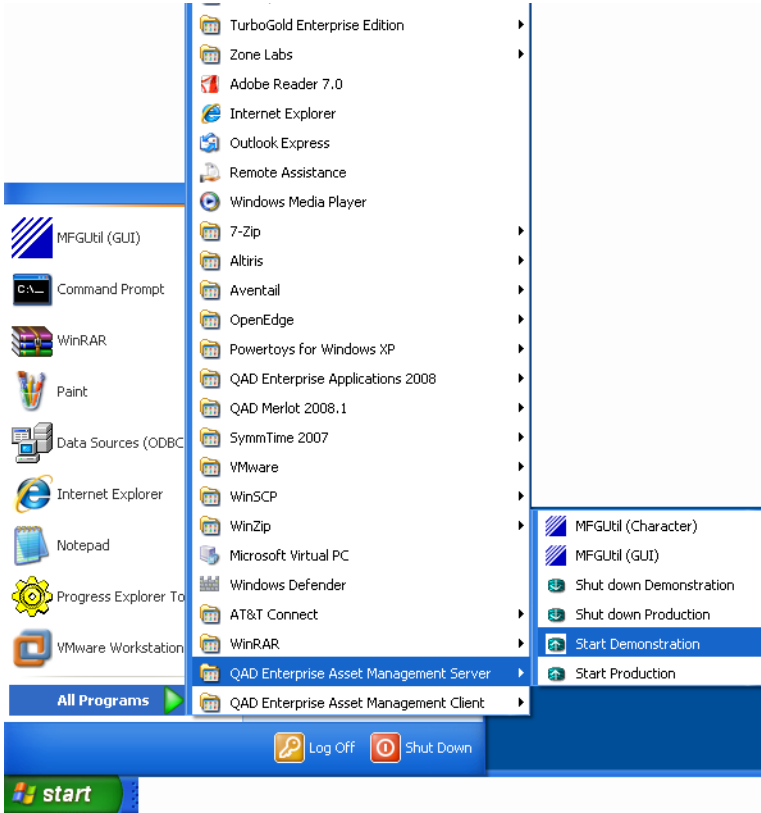
- 8 After the scripts or shortcuts are generated, click Close in the Installation Log Window.
- 9 Review *mfgulog.log* for any errors.

Starting and Stopping the Server

Start the server to configure and run Actuate reporting. Stop the server when upgrading or troubleshooting system events.

- 1 Navigate to Start|All Programs|QAD Enterprise Asset Management Server|Start to start the server.
- 2 Navigate to Start|All Programs|QAD Enterprise Asset Management Server|Stop to stop the server.

Fig. 1.85
Start/Stop EAM
Server



Installing the Server MFG/Util for UNIX

Complete this section to install the EAM files on your server from UNIX. Install QAD EAM using Windows or UNIX, but not both. Instructions for Windows installations are at “Installing the Server MFG/Util (GUI) for Windows” on page 11. If you do not use UNIX, install the client for windows. Instructions are at “Installing the Client MFG/Util (Windows)” on page 124.

Mounting the CD (UNIX)

Log on as an administrator or root. Mount the CD. Example commands are in Table 3.1.

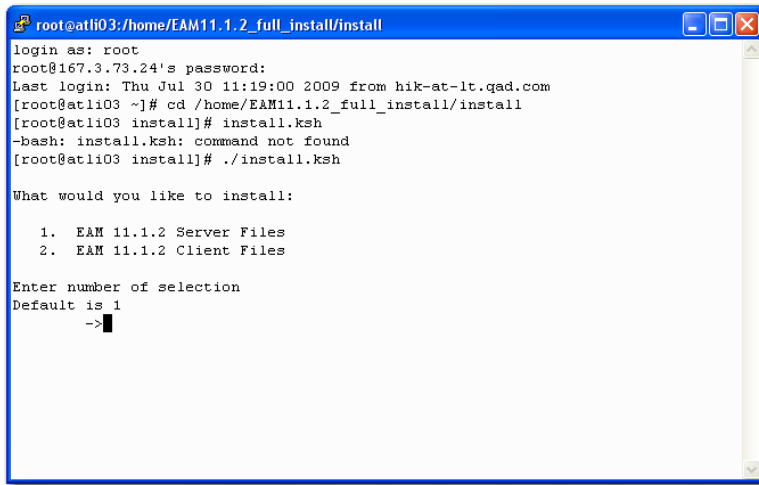
Table 1.4
UNIX CD Drive
Mount Commands

Hardware	Mount Command
Sun	volcheck cdrom
HP	/etc/mount -F cdfs /dev/dsk/YourCDDevice /cdrom
AIX	smitty mountfs Then select file system, directory and file system (cdrfs).
Linux	mount /dev/hdb /mnt/ cdrom Where /hdb could be hdc or hdd among other possibilities.
All Others	Refer to your operating system documentation or vendor for requirements to mount a CD-ROM. You may be able to type man mount to determine the correct command.

Copy Files and Select Storage Locations

- 1 Login to the UNIX server.
- 2 Type `cp -r CD location UNIX location`.
The following folders copy from the CD to the server:
 - client
 - common
 - install
 - mfgutil
 - server

- warnings
- 3 Navigate to the install directory.
 - 4 Enter `./install.ksh`.
 - 5 Enter `1` to start the server installation.



```
root@atl103:/home/EAM11.1.2_full_install/install
login as: root
root@167.3.73.24's password:
Last login: Thu Jul 30 11:19:00 2009 from hik-at-lt.qad.com
[root@atl103 ~]# cd /home/EAM11.1.2_full_install/install
[root@atl103 install]# install.ksh
-bash: install.ksh: command not found
[root@atl103 install]# ./install.ksh

What would you like to install:

    1. EAM 11.1.2 Server Files
    2. EAM 11.1.2 Client Files

Enter number of selection
Default is 1
-> 1
```

Fig. 1.86
UNIX: Select the
Server Installation

- 6 Press Enter to view the license agreement.
- 7 Press the space bar to forward through the agreement.

- 8 Enter **y** to accept the license agreement. You must accept the license agreement to use the application.

Fig. 1.87
UNIX: License
Agreement



- 9 Enter the log file location or accept the default by pressing Enter. If you enter a new log file location, make note of it for future installations.

- 10 To create the default log file location, enter Y.

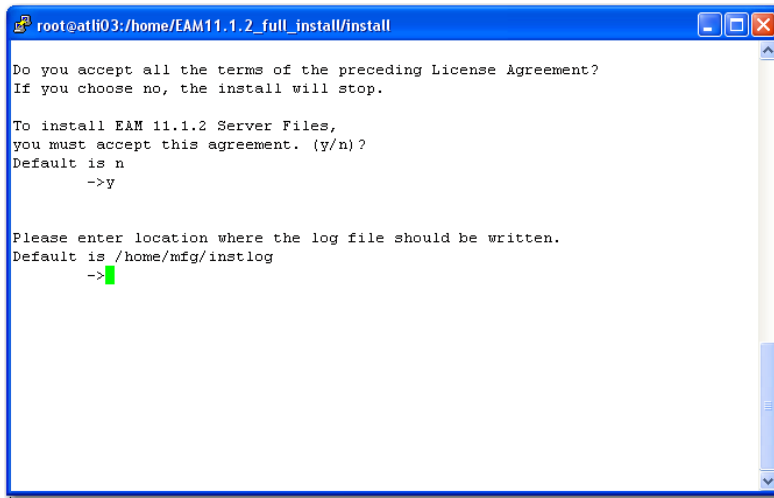
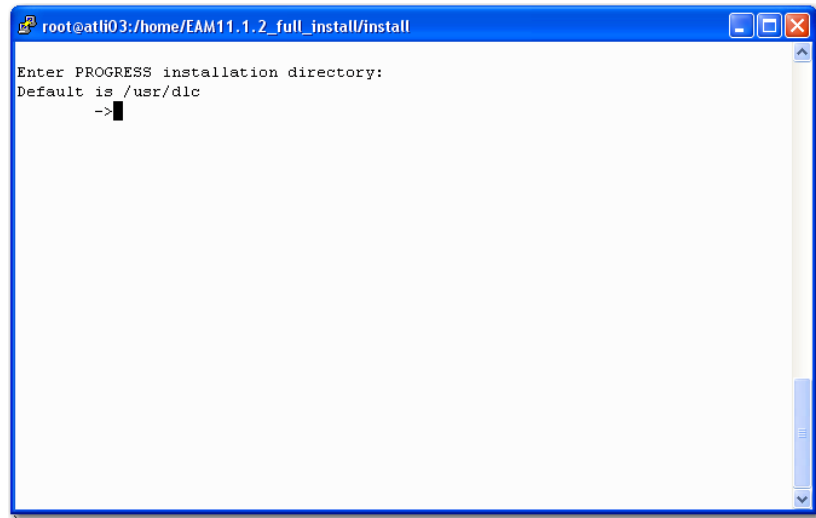


Fig. 1.88
UNIX: Log File
Create Default
Location

- 11 Enter Y to create instlog if this is your initial installation.

12 Enter the PROGRESS install location.

Fig. 1.89
UNIX:PROGRESS
Location



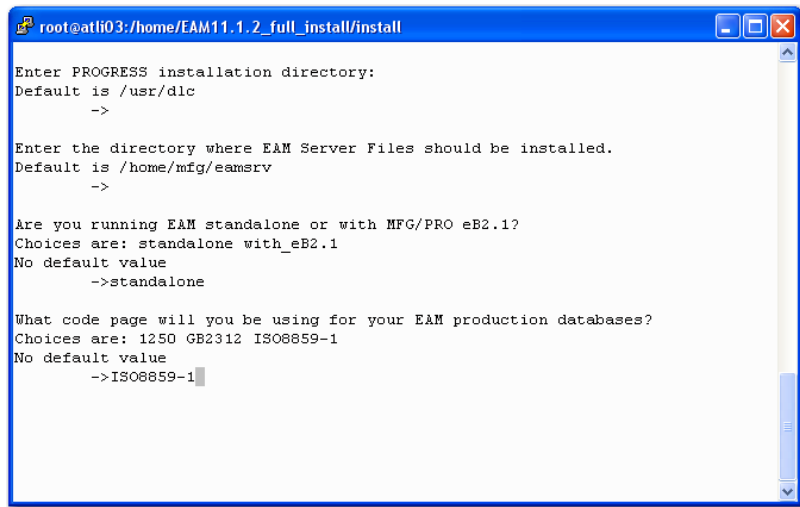
13 Confirm the PROGRESS file location.

14 Enter Y to install the server files in the default location, /home/mfg/eamsrv.

Note You can enter an alternative location. Make a note of it for later.

- 16 Indicate the codepage to use for your production database. The default is ISO8859-1.

Fig. 1.92
UNIX: Codepage



```
root@atlh03:/home/EAM11.1.2_full_install/install

Enter PROGRESS installation directory:
Default is /usr/dlc
->

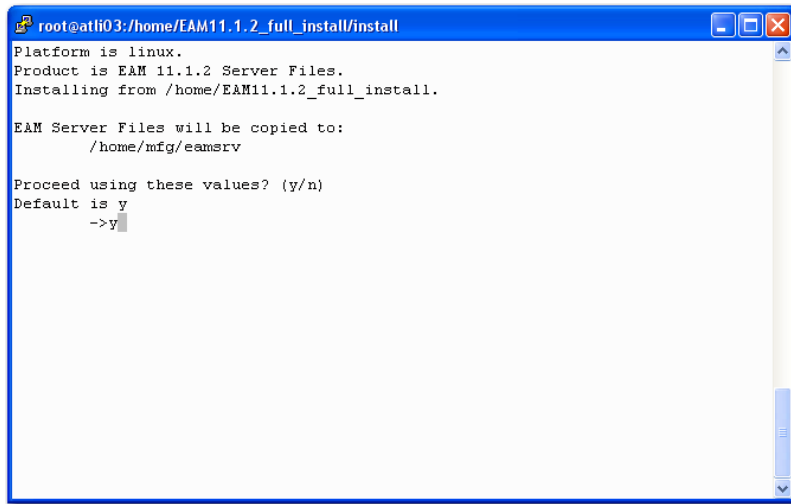
Enter the directory where EAM Server Files should be installed.
Default is /home/mfg/eamsrv
->

Are you running EAM standalone or with MFG/PRO eB2.1?
Choices are: standalone with_eB2.1
No default value
->standalone

What code page will you be using for your EAM production databases?
Choices are: 1250 GB2312 ISO8859-1
No default value
->ISO8859-1
```

Note Configure Progress for the codepage to display characters in the correct language. For more information, see “Configuring Progress for Translated Languages in Windows” on page 14.

17 Validate the values.



```

root@atl03:/home/EAM11.1.2_full_install/install
Platform is linux.
Product is EAM 11.1.2 Server Files.
Installing from /home/EAM11.1.2_full_install.

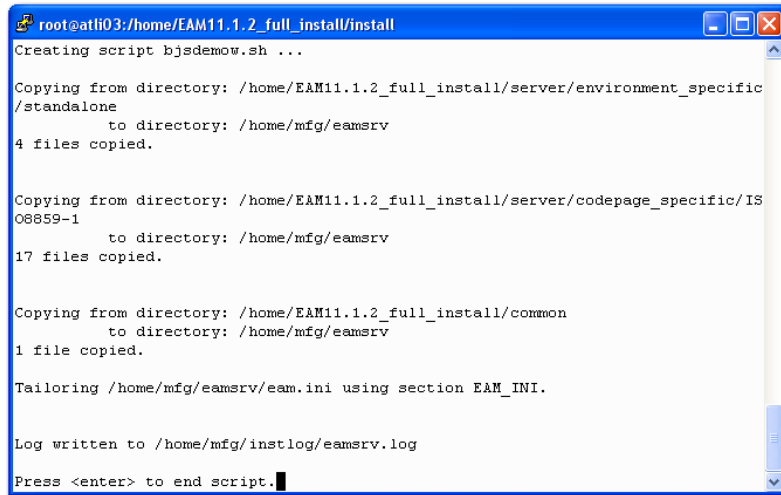
EAM Server Files will be copied to:
    /home/mfg/eamsrv

Proceed using these values? (y/n)
Default is y
->y

```

Fig. 1.93
UNIX: Validate
Values

18 Press Enter to end the script when the system indicates that file copying is complete.



```

root@atl03:/home/EAM11.1.2_full_install/install
Creating script bjsdemow.sh ...

Copying from directory: /home/EAM11.1.2_full_install/server/environment_specific
/standalone
    to directory: /home/mfg/eamsrv
4 files copied.

Copying from directory: /home/EAM11.1.2_full_install/server/codepage_specific/IS
08859-1
    to directory: /home/mfg/eamsrv
17 files copied.

Copying from directory: /home/EAM11.1.2_full_install/common
    to directory: /home/mfg/eamsrv
1 file copied.

Tailoring /home/mfg/eamsrv/eam.ini using section EAM_INI.

Log written to /home/mfg/instlog/eamsrv.log

Press <enter> to end script.

```

Fig. 1.94
UNIX: File
Copying Complete

19 Change directory to the location where EAM server files were installed. The default location is `cd /home/mfg/eamsrv`.

Fig. 1.95
UNIX: cd /home/
eam/srv

```

root@atl103:/home/EAM11.1.2_full_install/install

Copying from directory: /home/EAM11.1.2_full_install/server/environment_specific
/standalone
to directory: /home/mfg/eamsrv
4 files copied.

Copying from directory: /home/EAM11.1.2_full_install/server/codepage_specific/IS
08859-1
to directory: /home/mfg/eamsrv
17 files copied.

Copying from directory: /home/EAM11.1.2_full_install/common
to directory: /home/mfg/eamsrv
1 file copied.

Tailoring /home/mfg/eamsrv/eam.ini using section EAM_INI.

Log written to /home/mfg/instlog/eamsrv.log

Press <enter> to end script.
[root@atl103 install]# cd /home/mfg/eamsrv

```

- 20** Enter `ls`. The system lists files in the directory. Verify that `mfgutil` is present.

Fig. 1.96
UNIX: Verify
`mfgutil`

```

root@atl103:/home/mfg/eamsrv

Tailoring /home/mfg/eamsrv/eam.ini using section EAM_INI.

Log written to /home/mfg/instlog/eamsrv.log

Press <enter> to end script.
[root@atl103 install]# cd /home/mfg/eamsrv
[root@atl103 eamsrv]# ls
allbut.lst      conmmgr.tpl      eamprod          mfgutil.pf      stop.tpl
allexcept.lst  conmmgr.wtp      eamstdemo        mfgutil.tpl     stop.wtp
bjsdemou.sh    convfunc.ini     eamstprod        mfgutora.ini    telnet.tpl
bjsdemouw.sh   convui.ini       eamxlat          mfgutpro.ini    telnet.wtp
bjsdemow.sh    cvldqad.lst     eas.ini          nocompil.lst    toplevel.lst
bjsprodu.sh    cvldqref.lst    langxref.ini     noconv.lst      version.utl
bjsproduw.sh   cvliqad.lst     ldxref.tpl       nocopy.lst      wkcl0010.tpl
bjsprodw.sh    cvliqref.lst    makeicon.exe     oraonly.lst     wksv0010.ini
bjsprodw.sh    db              mfgumenu.ini     oratbls.ini     wksv0020.ini
bjsprodw.sh    DBSHUT.ICO      mfgumenu.tpl     progcli.ini     wksv0030.ini
brokenw.tpl    DBSTRT.ICO      mfguprog.ini     progenly.lst    wksv0040.ini
brokeras.tpl   dbvers.ini      mfgutil          programs         workflow.ini
brokerws.tpl   dompop.lst      mfgutil.bmp      mfgutil.bmp     specdump.ini
client.tpl     eandemo         MFGUTIL.ICO      start.tpl       xmfigusr
client.wtp     eam.ini         mfgutil.ini      start.wtp
[root@atl103 eamsrv]#

```

Configuring Progress for Translated Languages in UNIX

- 1 Configure the OE10/startup.pf file for the language being used.
- 2 With OpenEdge 10.1B, download the Progress PROMSGS file from the Progress website.
- 3 Extract it to the /usr/dlc/prolang directory.
- 4 Replace the default startup.pf file (ISO8859-1) with the correct .pf file in the prolang directory.
For example, replace the default /usr/dlc/startup.pf with /usr/dlc/prolang/sch/gb2312/gb2312.pf for Simplified Chinese language support.
- 5 Use empty8.db for UNIX. Empty databases are in the /usr/dlc/prolang directory. This ensures that all QAD EAM databases will be copied from the correct Progress empty database.
- 6 Create a new proword system environment variable if required. For example, the variable name is PROWD251 for the GB2312 codepage; the value is <path to proword.251 file>. Each codepage has a unique variable and value. 1250 codepage requires no change to the default.

Run the Installation Utility

- 1 Enter `./mgfutil` to run the database set installation utility.

Fig. 1.97
UNIX: Launch
mgfutil

```

root@atli03:/home/mfg/eamsrv
Tailoring /home/mfg/eamsrv/eam.ini using section EAM_INI.

Log written to /home/mfg/instlog/eamsrv.log

Press <enter> to end script.
[root@atli03 install]# cd /home/mfg/eamsrv
[root@atli03 eamsrv]# ls
allbut.lst      connmgr.tpl      eamprod          mfgutil.pf      stop.tpl
allexcept.lst  connmgr.wtp      eamstdemo        mfgutil.tpl     stop.wtp
bjsdemou.sh    convfunc.ini     eamstprod        mfgutora.ini    telnet.tpl
bjsdemou.tpl   convui.ini       eamxlat          mfgutpro.ini    telnet.wtp
bjsdemow.sh    cvldqad.lst     eas.ini          nocompil.lst    toplevel.lst
bjsdemow.tpl   cvldqref.lst    langxref.ini     noconv.lst       version.utl
bjsprodu.sh    cvliqad.lst     ldxref.tpl       nocopy.lst       wkcl0010.tpl
bjsprodu.tpl   cvliqref.lst    makeicon.exe     oraonly.lst      wksv0010.ini
bjsprodw.sh    db              mfgumenu.ini     oratbls.ini      wksv0020.ini
bjsprodw.tpl   DBSHUT.ICO      mfgumenu.tpl     progcli.ini      wksv0030.ini
brokenv.tpl    DESTRT.ICO      mfguprog.ini     progenly.lst     wksv0040.ini
brokeras.tpl   dbvers.ini      mfgutil          programs         workflow.ini
brokerws.tpl   dompop.lst      mfgutil.bmp      specdump.ini     xmfusrc
client.tpl     eamdemo         MFGUTIL.ICO      start.tpl        start.wtp
client.wtp     eam.ini         mfgutil.ini
[root@atli03 eamsrv]# ./mgfutil

```

- 2 Tab or right-arrow to the Configure menu when the Utility opens.

Fig. 1.98
UNIX: EAM
Guided Setup

```

root@atli03:/home/mfg/eamsrv
File Database Scripts Configure Help

QAD, Inc.

MFG / UTIL

```

- 3 Down-arrow to Set Paths for EAM and MFG/UTIL and press Enter.

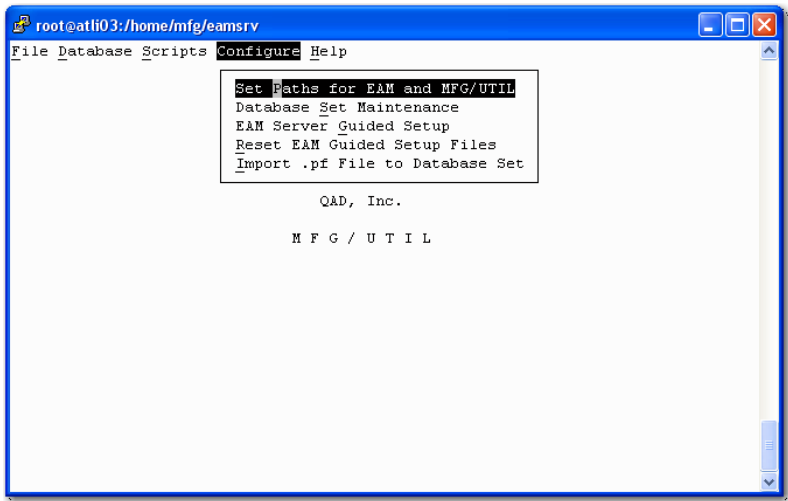


Fig. 1.99
UNIX: Set Paths

- 4 Enter OK to accept the defaults on the Configure Utility Paths screen. Alternatively, indicate another location in the Default DB Path field.

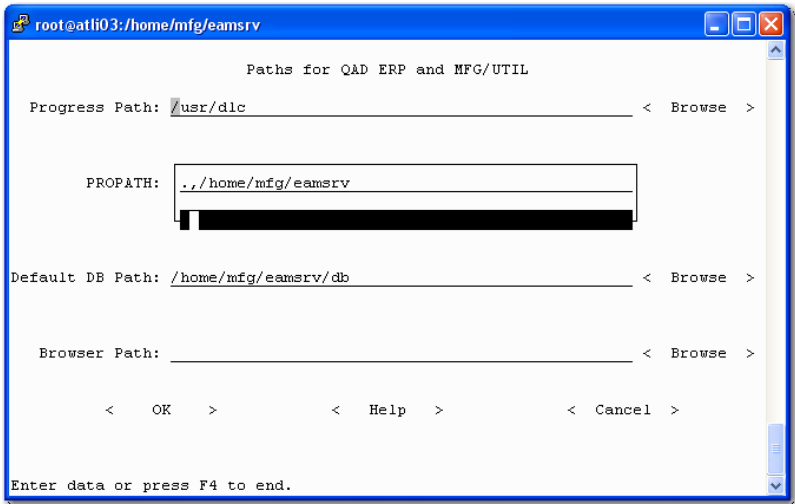
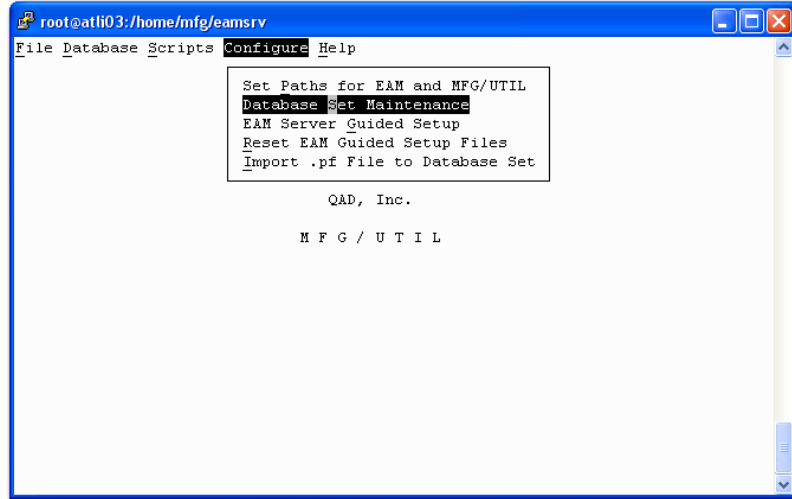


Fig. 1.100
UNIX: Configure Set Paths

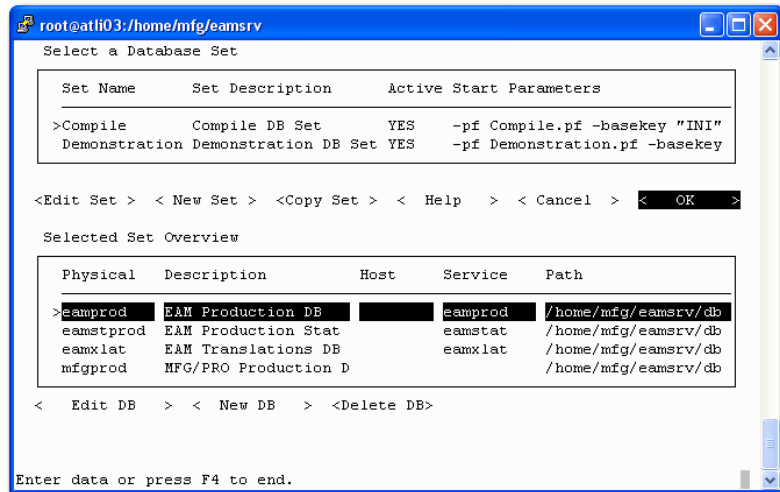
- 5 Tab to Configure, then down-arrow to Database Set Maintenance. Press Enter.

Fig. 1.101
UNIX: Progress
Location



6 Tab to OK and press Enter to accept the default database path.

Fig. 1.102
UNIX: OK DB
Paths



- 7 Optionally, Tab to Edit DB. Press Enter to change the default database path.

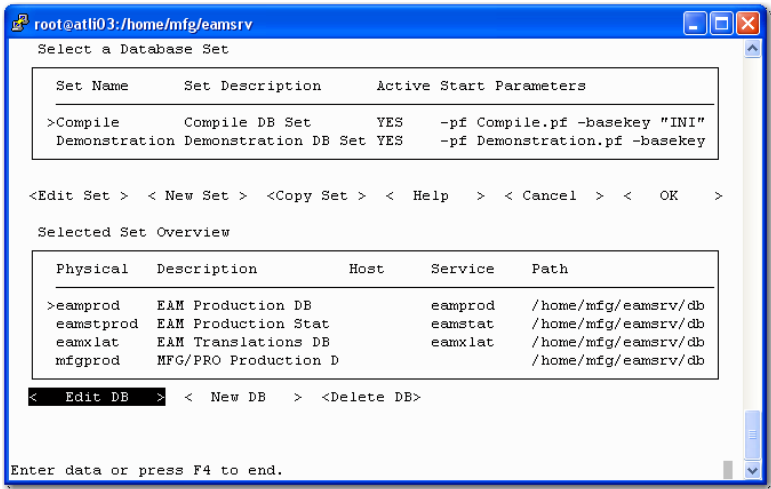


Fig. 1.103
UNIX: Edit DB
Path

Re-starting the Database Building Process

If you need to re-start the process, alter status entries in files located at /home/mfg/eamsrv to Status=Not Done, or reset the guided setup defaults using mfgutil.

Alter Settings to Continue Building Database

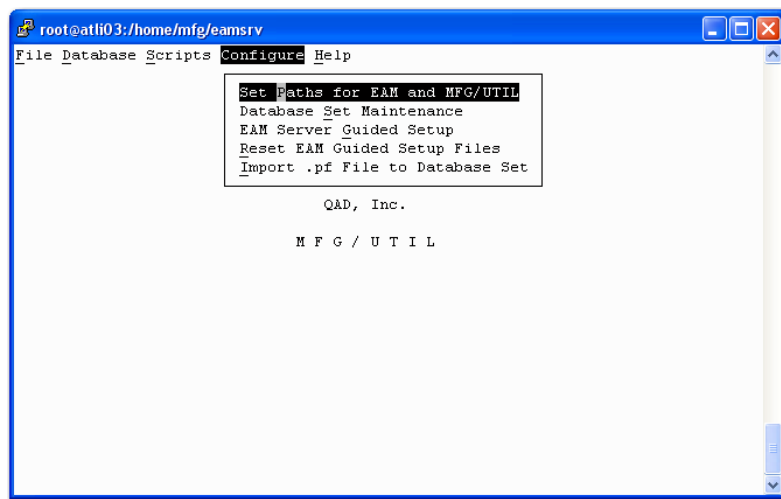
	Filename
empty	wksv0010.ini
eamprod	wksv0020.ini
eamdemo	wksv0030.ini
eamxlat	wksv0040.ini

Delete files from the database directory at /home/mfg/eamsrv/db. Copy server files again as described on “Copy Files and Select Storage Locations” on page 60.

Resetting Guided Setup Defaults Using MGFUTIL

- 1 Down-arrow to Reset EAM Server Guided Setup Files and press Enter.

Fig. 1.104
UNIX: Reset
Guided Setup Files



- 2 Tab to Yes, and Enter to reset the files.

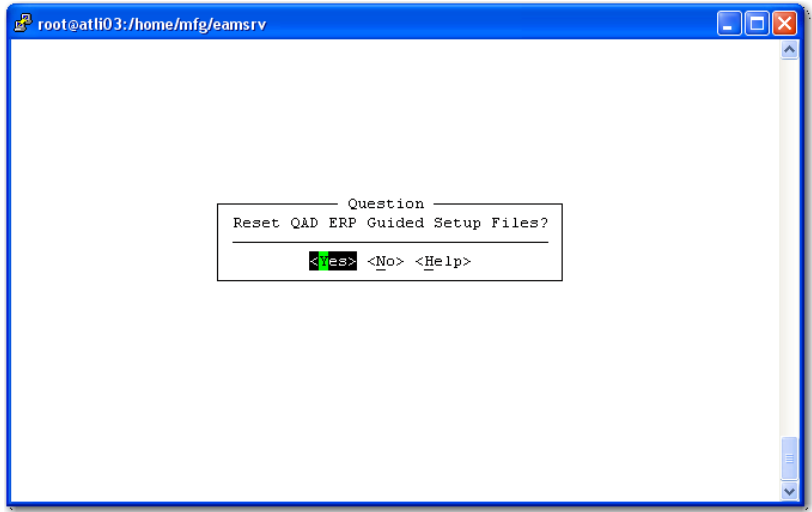


Fig. 1.105
UNIX: Reset
Guided Setup Files

3 Tab to OK, and Enter to confirm.

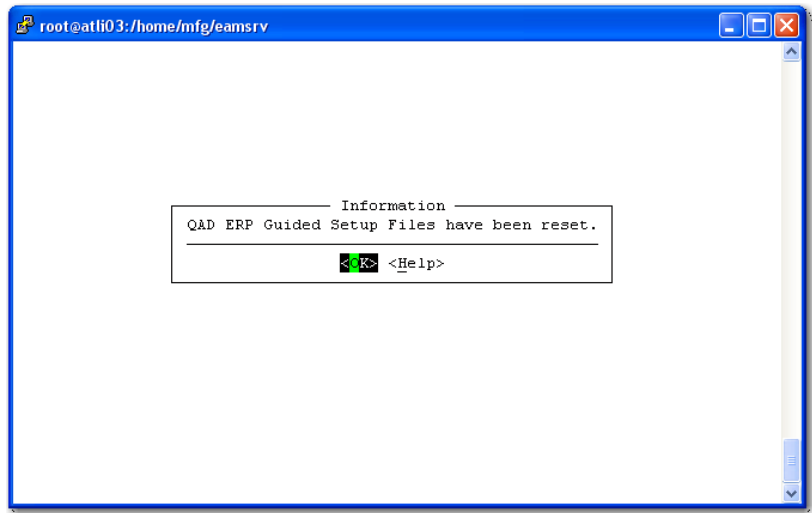
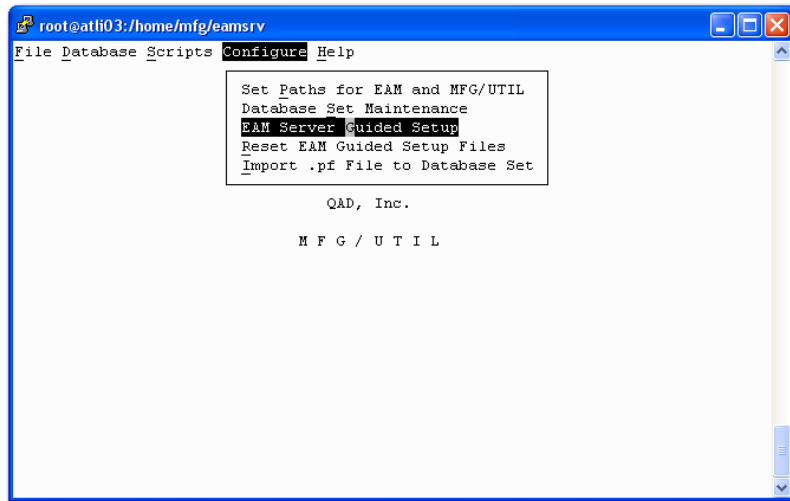


Fig. 1.106
UNIX: Reset
Guided Setup Files
Confirmation

Create the Progress Empty Databases Operation Set

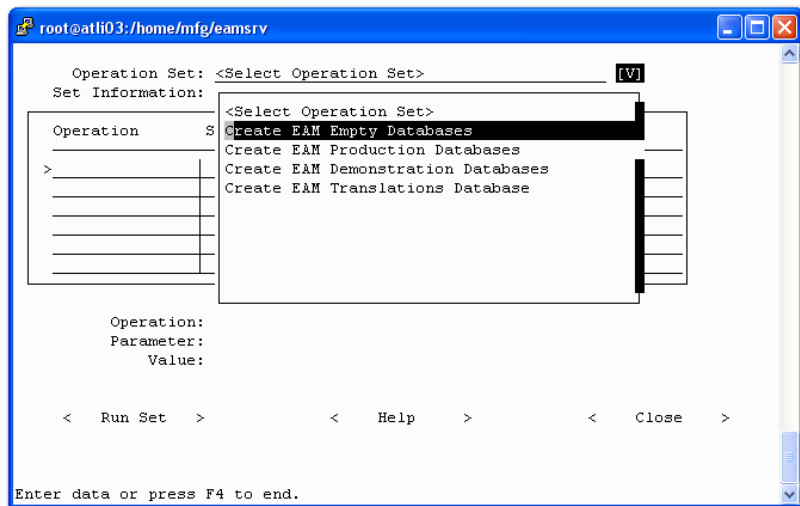
- 1 Tab or right-arrow to the Configure menu. Down-arrow to EAM Server Guided Setup. Press Enter to select it.

Fig. 1.107
UNIX: EAM
Guided Setup



- 2 Down-arrow to Create EAM Empty Databases. Press Enter to select it.

Fig. 1.108
UNIX: Install
Empty Database



3 Tab or right-arrow to Run Set. Press Enter to select it.

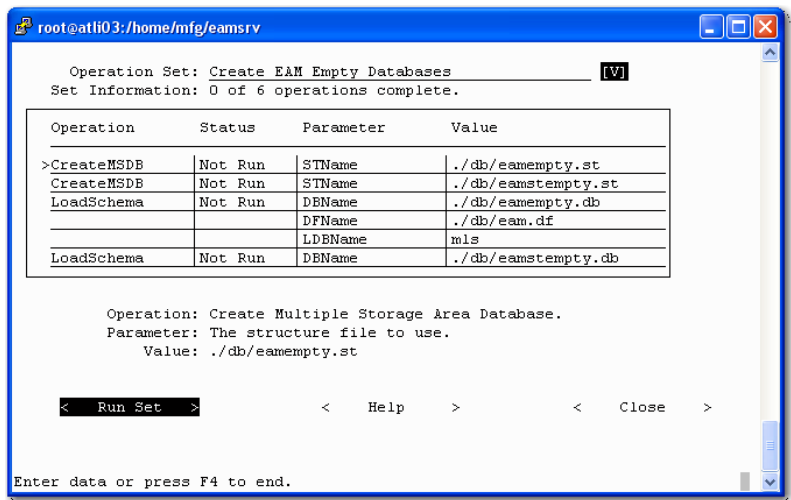


Fig. 1.109
UNIX: Empty
Database Run Set

- 4 Tab or right-arrow to Create DB. Press Enter to select it.

Fig. 1.110
UNIX: Create
Empty Progress DB



Structure File: ./db/eamempty.st <Browse...>

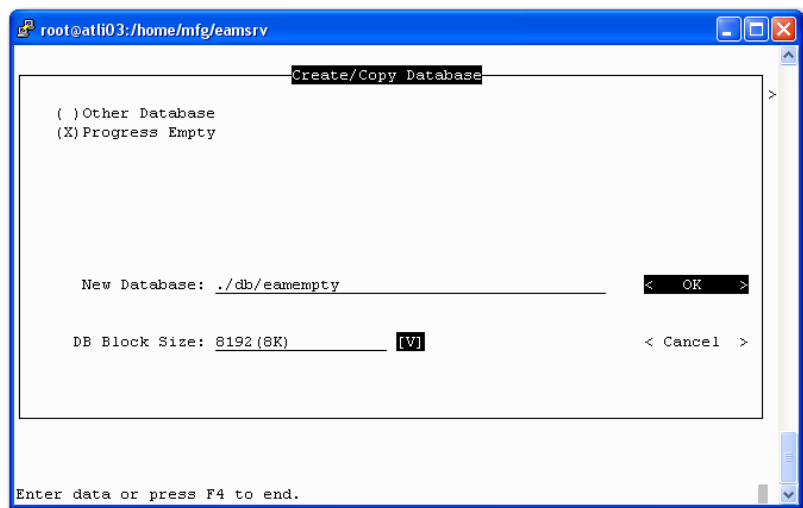
Comment	Token Area Name	Recs Per Block	Extent	Pathname
*>#				
* #	b			./db
* #	d	Schema Area	32	./db
* #	d	Maintenance	64	./db

< Save > < Save As > < New Entry> **< Create DB>** < Help > < Close >

To modify a Storage Area select a row and press enter.

- 5 For codepage ISO8859-1, accept the default empty database.

Fig. 1.111
UNIX: Progress
Empty DB



Create/Copy Database

() Other Database
(X) Progress Empty

New Database: ./db/eamempty < OK >

DB Block Size: 8192 (8K) [V] < Cancel >

Enter data or press F4 to end.

For codepage GB2312, select the Other Database option.

- a Browse to /usr/dlc/prolang/sch/gb2312.
- b Select empty8.db.



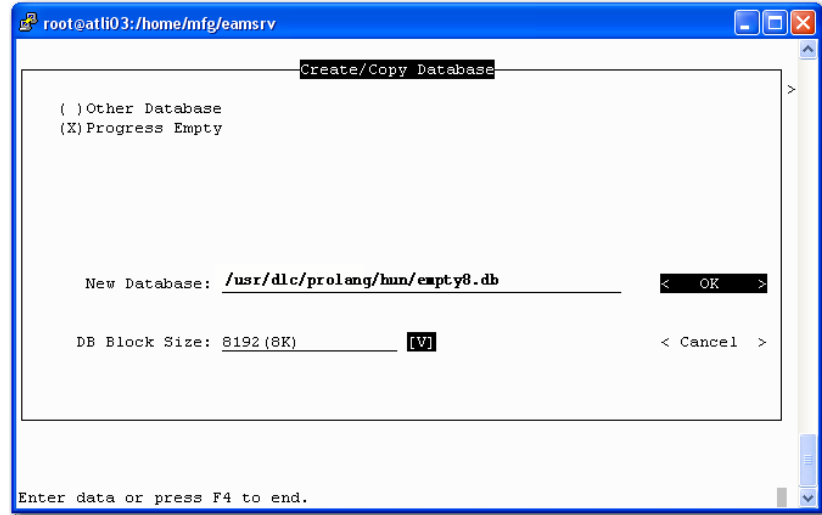
Fig. 1.112
UNIX: Progress
Empty DB for
GB2312

For codepage 1250, select the Other Database option.

- a Browse to /usr/dlc/prolang/hun.
- b Select empty8.db.

Fig. 1.113

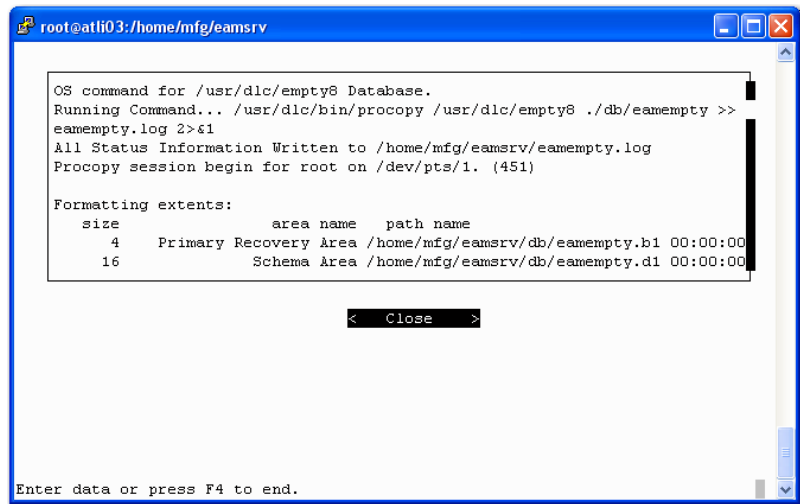
UNIX: Progress
Empty DB for 1250



- 6 Tab or right-arrow to Close. Press Enter to close the log after the system creates the empty Progress database.

Fig. 1.114

UNIX: Progress
Location



- 7 Tab or right-arrow to Close. Press Enter to close the log after the system creates the empty Progress database.

Note Optionally, modify a storage area here.

- a Tab or right-arrow to the area to modify, then press Enter.

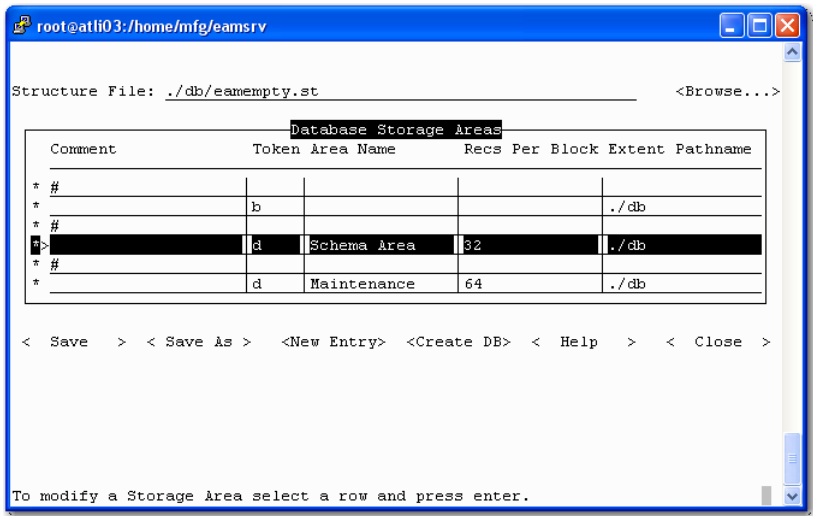


Fig. 1.115
UNIX: Progress
Location

- b Tab or right-arrow to the fields to modify and alter the text.

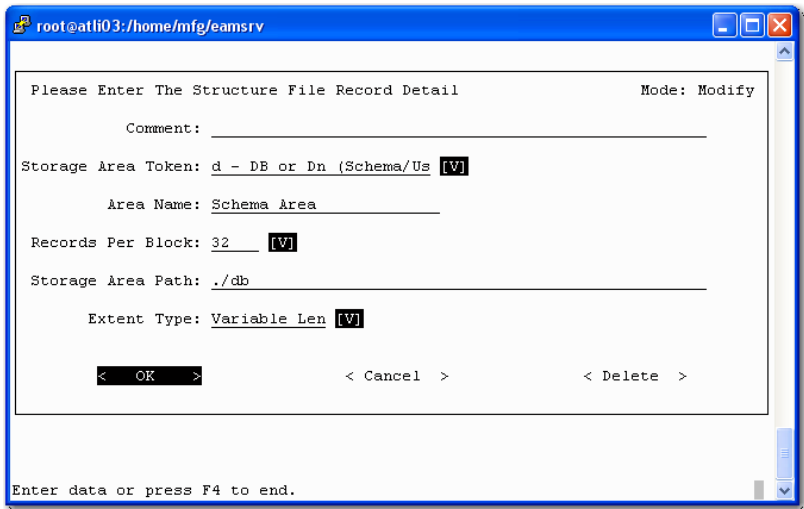
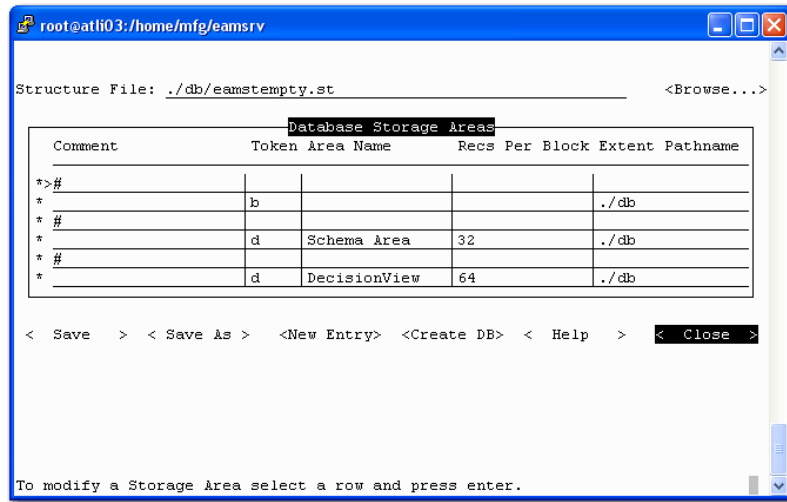


Fig. 1.116
UNIX: Progress
Location

- c Press Enter.
 - d Tab or right-arrow to OK.
 - e Press Enter.
- 8 Tab or right-arrow to Close and press Enter.

Fig. 1.117I
UNIX: Successful
Empty DB
Installation



- 9 Tab or right-arrow to Create DB and press Enter to create the Empty Stat database.
For codepage ISO8859-1, accept the default empty database.

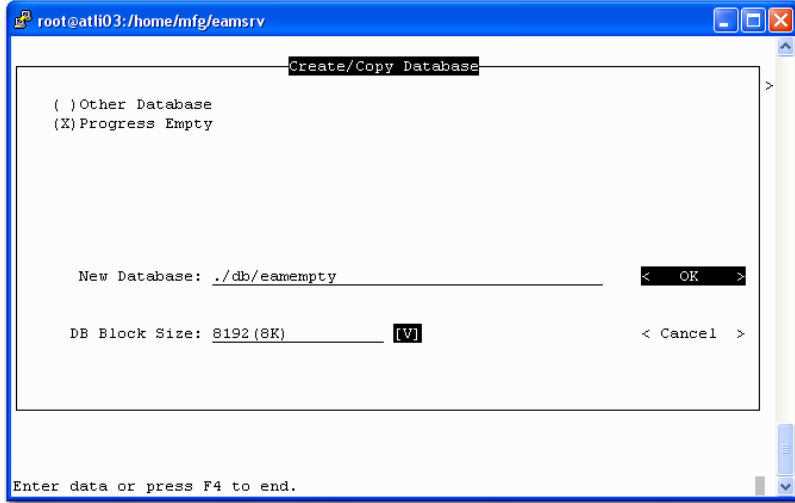


Fig. 1.118
UNIX: Progress
Empty DB

For codepage GB2312, select the Other Database option.

- a Browse to /usr/dlc/prolang/sch/gb2312.
- b Select empty8.db.

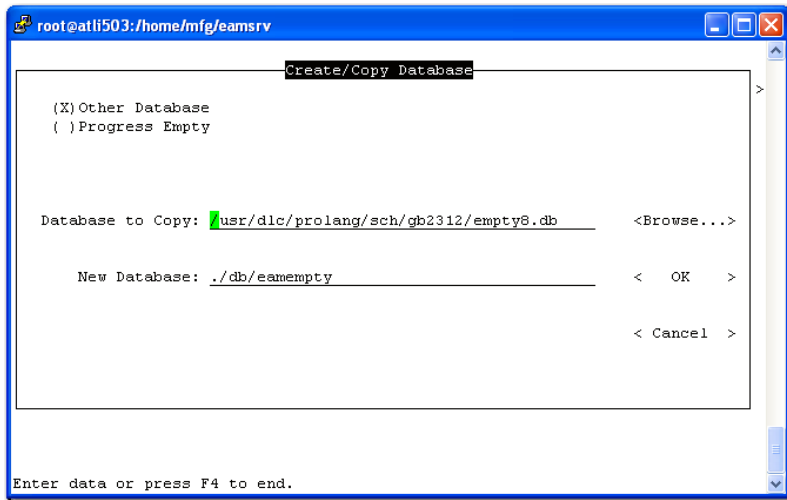


Fig. 1.119
UNIX: Progress
Empty DB for
GB2312

For codepage 1250, select the Other Database option.

- a Browse to /usr/dlc/prolang/hun.
- b Select empty8.db.

Fig. 1.120
UNIX: Progress
Empty DB for 1250



Note The path is case-sensitive, if you choose to enter it manually.

- 10 Tab or right-arrow to Close. Press Enter to close the log after the system creates the empty Progress database.
- 11 Close the log report.
- 12 Tab or right-arrow to OK. Press Enter to Connect the empty database.

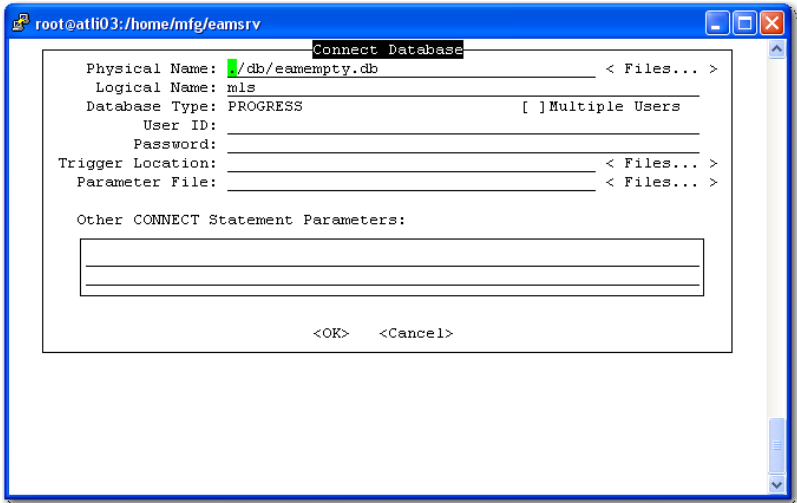
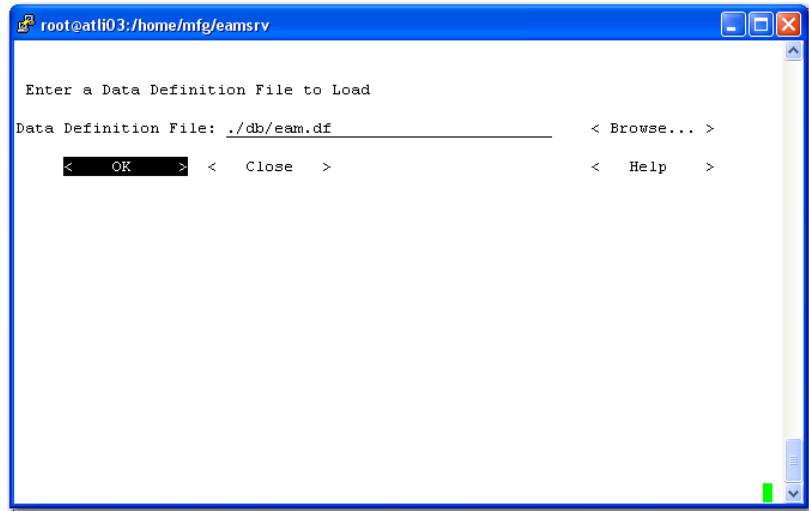


Fig. 1.121
UNIX: Connect
Empty DB

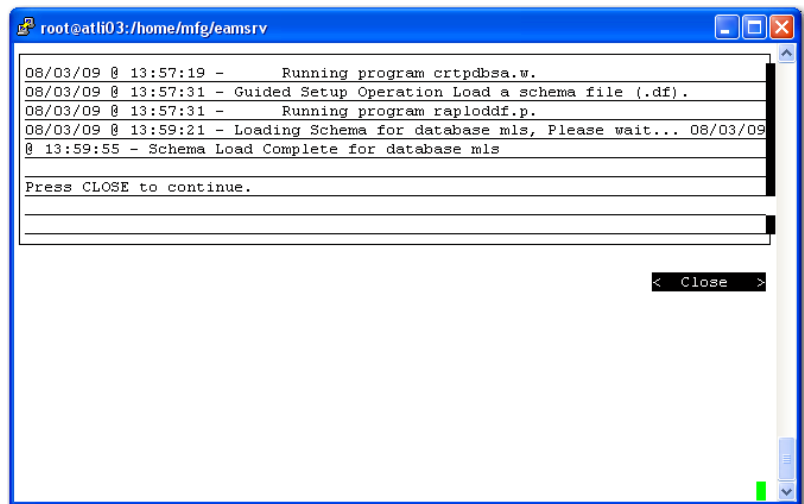
- 13 Tab or right-arrow to OK. Press Enter to load the eam.df data definition file.

Fig. 1.122
UNIX: Load
eam.df



- 14 Tab or right-arrow to Close on the Load Complete window. Press Enter.

Fig. 1.123
UNIX: Close Load
Complete Window



- 15 Tab or right-arrow to OK. Press Enter to Connect the eamstempty database.

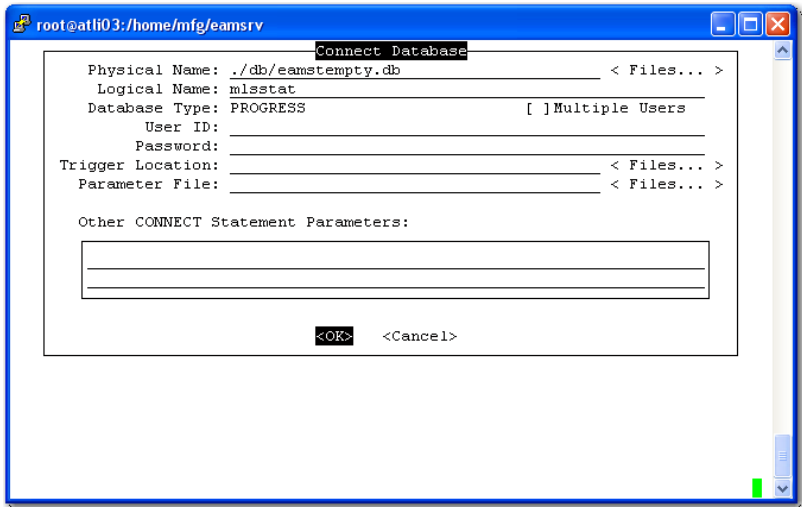


Fig. 1.124
UNIX: Connect
Eamstempty.db

- 16 Tab or right-arrow to OK. Press Enter to load data definition for eamst.df.

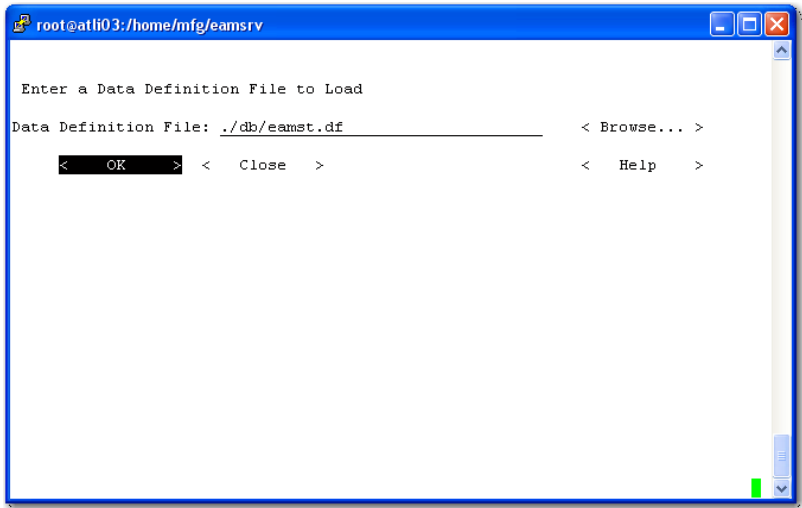
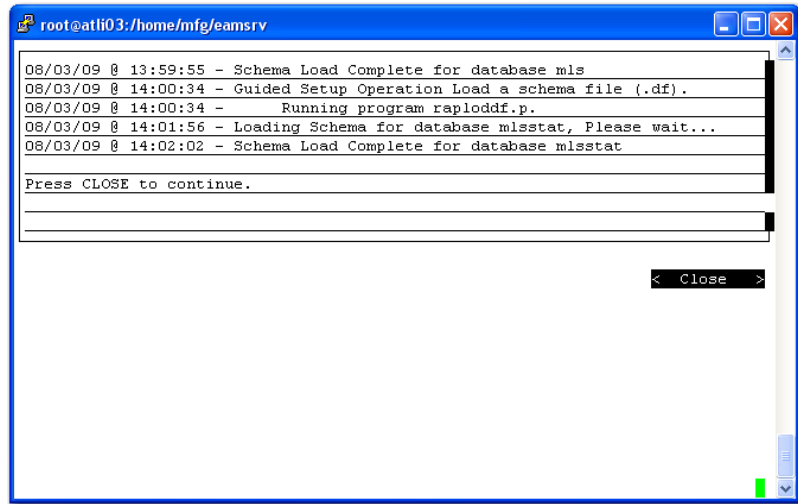


Fig. 1.125
UNIX: Load Data
Definitions
Eamst.df

- 17 Tab or right-arrow to Close. Press Enter to close the data definition complete window.

Fig. 1.126
UNIX: Close
eamst.df Complete
Window



- 18 Tab or right-arrow to Truncate. Press Enter to truncate eamempty.db.

Fig. 1.127
UNIX: Truncate
Empty DB



- 19 Tab or right-arrow to Close. Press Enter to close the empty database Truncate BI window.

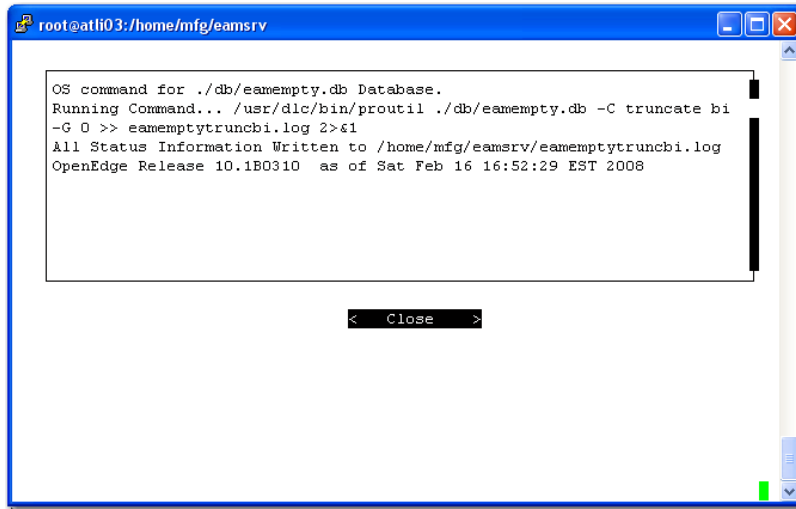


Fig. 1.128
UNIX: Close the
Truncate BI Empty
DB Window

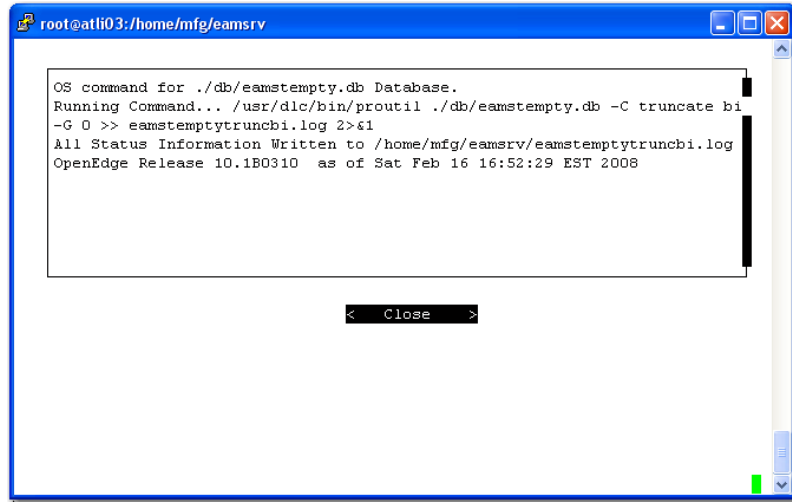
- 20 Tab or right-arrow to truncate eamstempty.db. Press Enter to truncate the emptyst db.



Fig. 1.129
UNIX: Truncate
Eamst Database

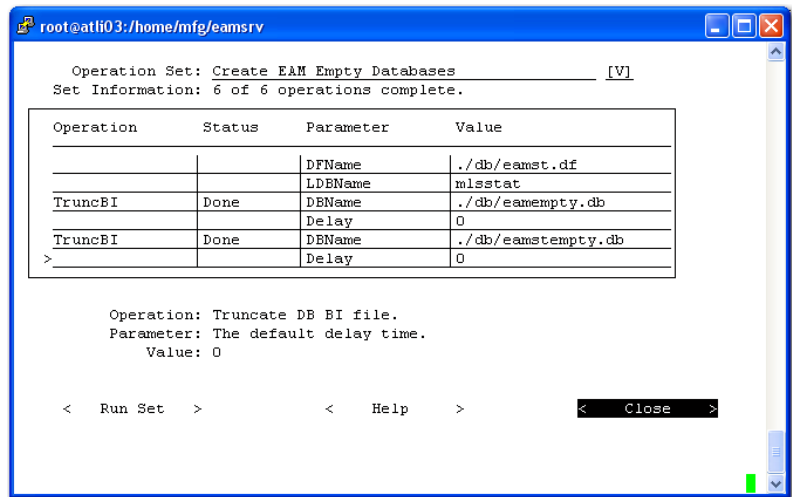
- 21 Tab or right-arrow to Close. Press Enter to close the Truncate BI EAMST window.

Fig. 1.130
UNIX: Close BI
Truncate Eamst DB



- 22 Tab or right-arrow to Close. Press Enter to close the Completed Empty Database Set.

Fig. 1.131
UNIX: Close
Completed Empty
DB Set



Create the Progress Production Databases Operation Set

The Empty database you just created serves as a model for the Production database. Production is empty when you complete its installation.

EAM includes an optional Demonstration database. To install it, follow the same steps as the Production database, but select the Demonstration option from the EAM Server Guided Setup window.

- 1 Tab or right-arrow to the Configure menu. Down-arrow to EAM Server Guided Setup. Press Enter to select it.

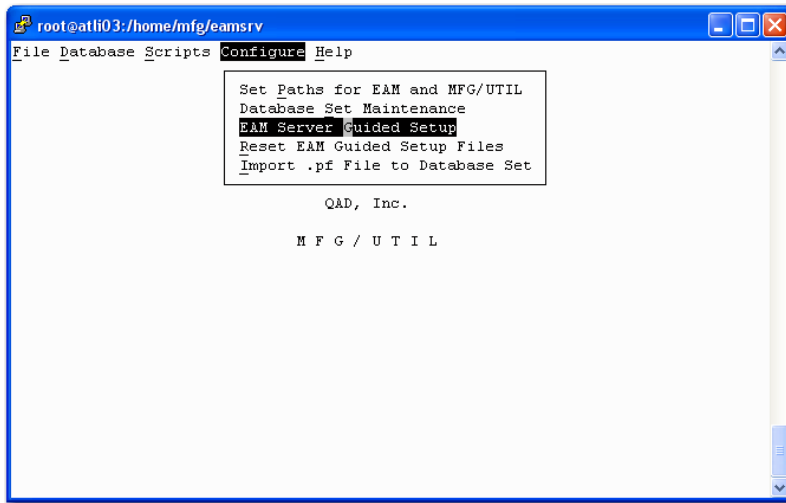
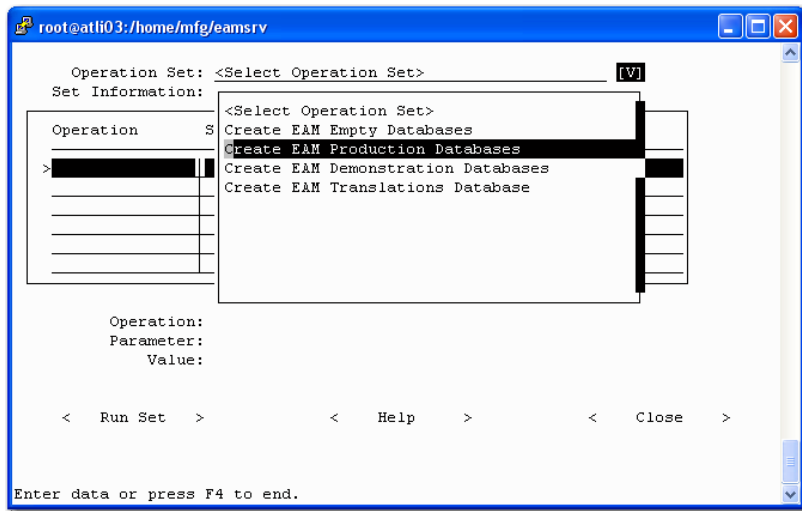


Fig. 1.132
UNIX: EAM
Guided Setup

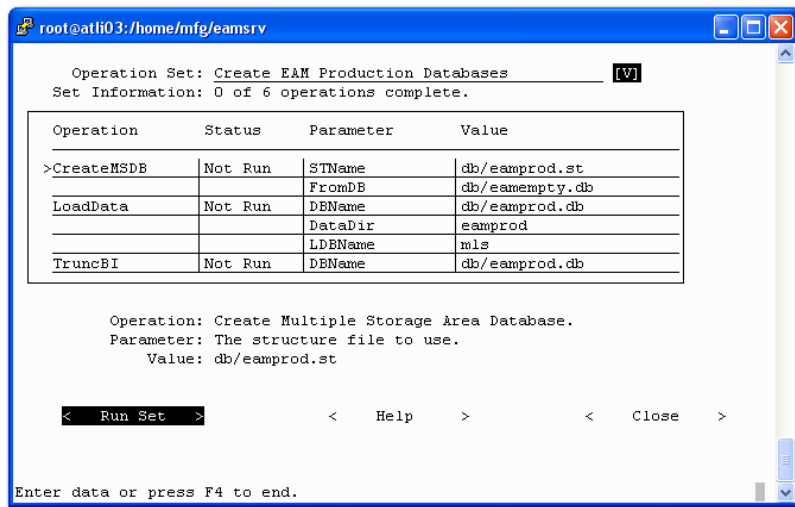
- 2 Down-arrow to Create Progress Production Databases. Press Enter to select it.

Fig. 1.133
UNIX: Install
Production
Database



- 3 Tab or right-arrow to Run Set. Press Enter to select it.

Fig. 1.134
UNIX: Production
Database Run Set



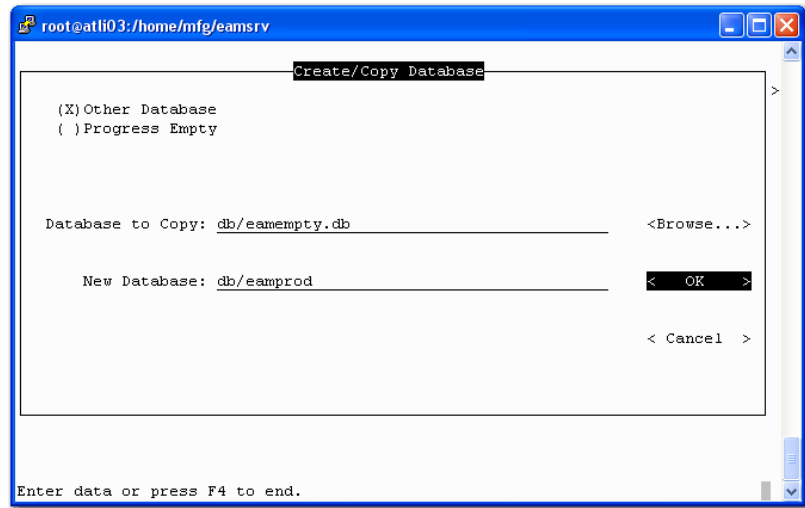
- 4 Tab or right-arrow to Create DB. Press Enter to create the eamprod structure file.



Fig. 1.135
UNIX: Create
Eamprod.st

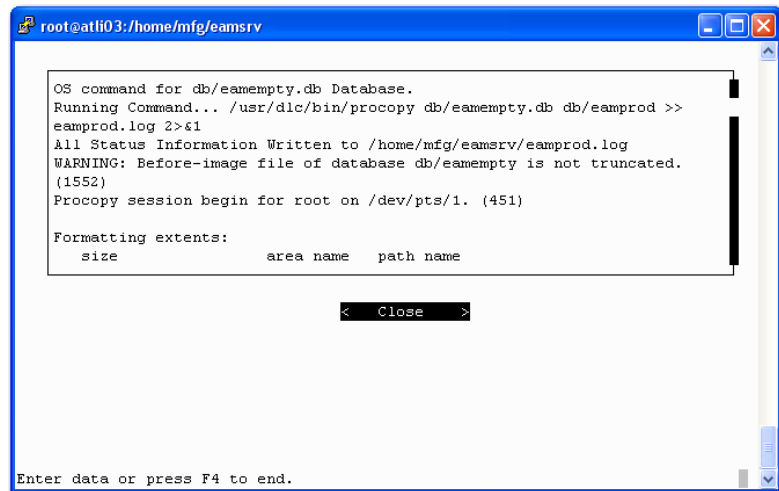
- 5 Tab or right-arrow to OK. Press Enter to create/copy the Production database. All codepage installs accept the default Other Database option.

Fig. 1.136
UNIX: Create/
Copy Eamprod DB



- 6 Down-arrow the scroll to verify that create/copy is complete. Tab to Close. Press Enter to close the create/copy complete window.

Fig. 1.137
UNIX: Close
Production DB
Complete Window



- 7 Tab or right-arrow to close the final window.



Fig. 1.138
UNIX: Close
Window

- 8 Tab or right-arrow to OK to connect the production database.

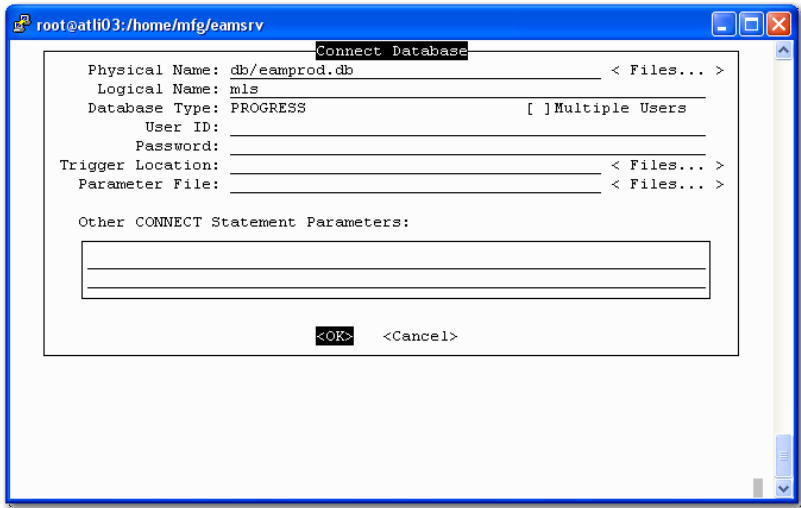
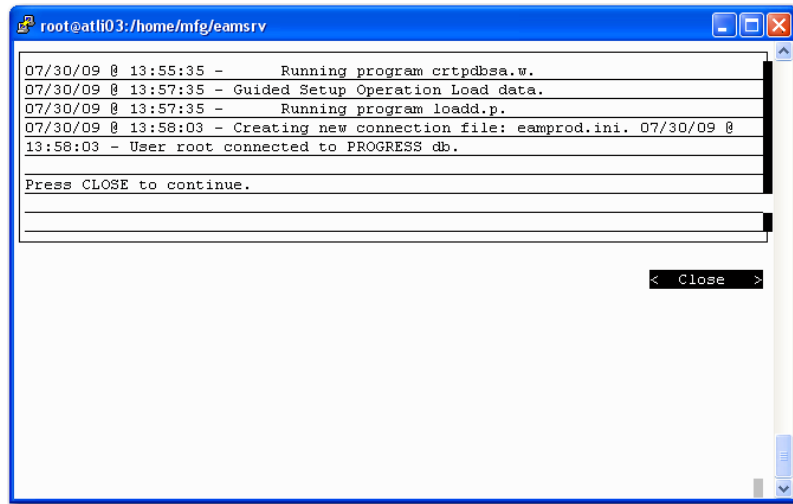


Fig. 1.139
UNIX: Connect
Production
Databases

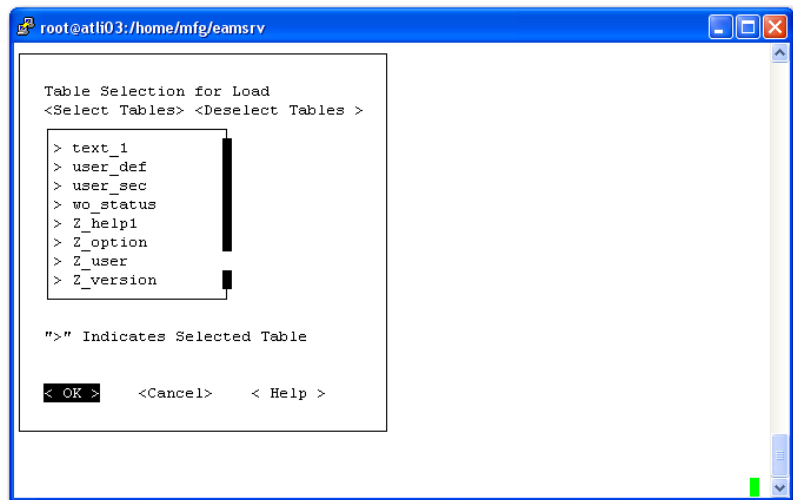
9 Tab or right-arrow to Close and press Enter.

Fig. 1.140
UNIX: Close
Connect Databases
Window



10 Tab or right-arrow to OK, then press Enter to select tables.

Fig. 1.141
UNIX: Select
Tables



- 11 Press Enter to Close when the system displays the completion window.

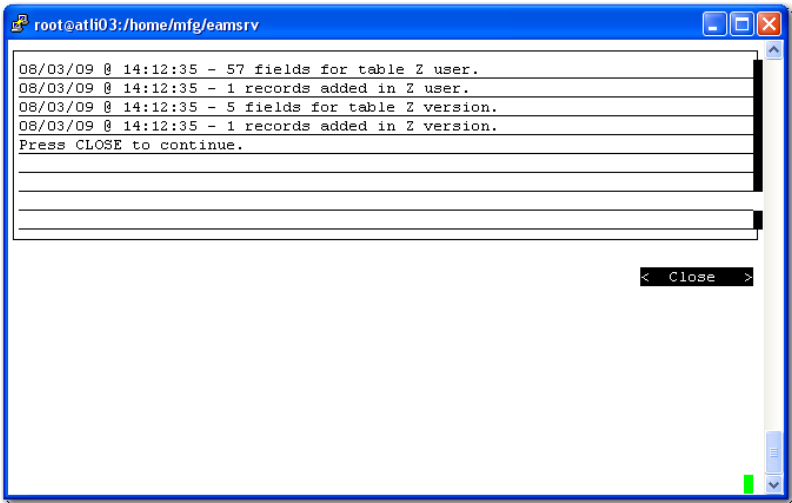


Fig. 1.142
UNIX: Close Table
Selection Window

- 12 Tab or right-arrow to Truncate and press Enter to truncate eamprod.db.

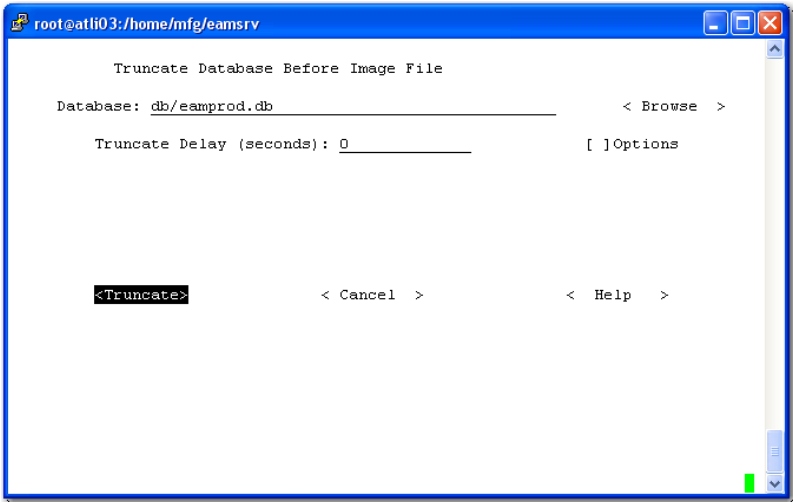
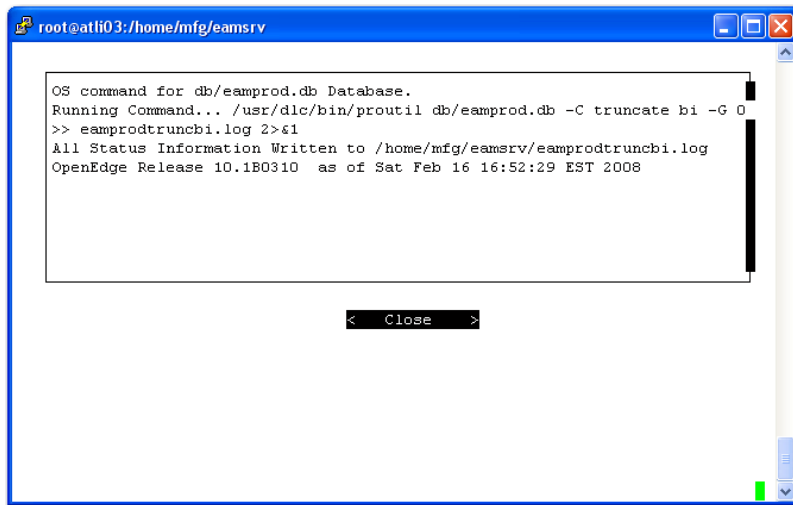


Fig. 1.143
UNIX: Truncate BI

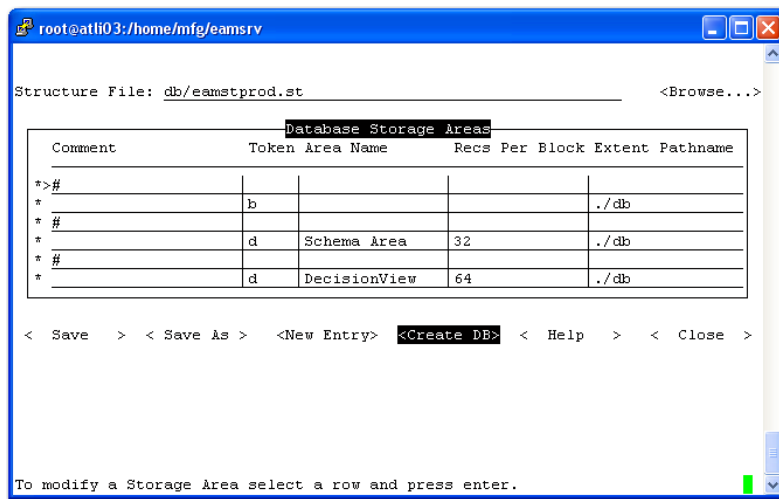
- 13 Tab or right-arrow to Close and press Enter to close the truncate bi file process.

Fig. 1.144
UNIX: Close
Truncate BI
Window.



- 14 Tab or right-arrow to Create DB, then press Enter to create Production Stat database.

Fig. 1.145
UNIX: Create Stat
Database



- 15 Tab or right-arrow to OK, then press Enter to create the Stat database.



Fig. 1.146
UNIX: Create Stat Database

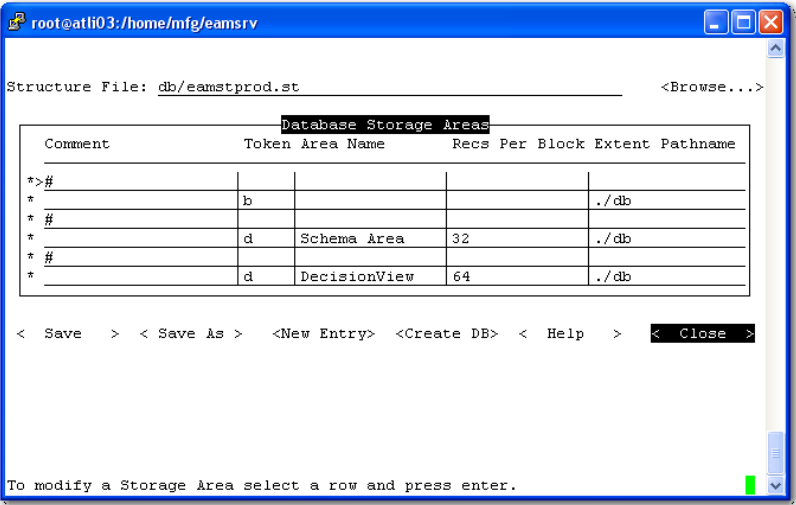
- 16 Scroll down, then Tab or right-arrow to Close, then press Enter to close the Stat completion window.



Fig. 1.147
UNIX: Close Stat Completion Window

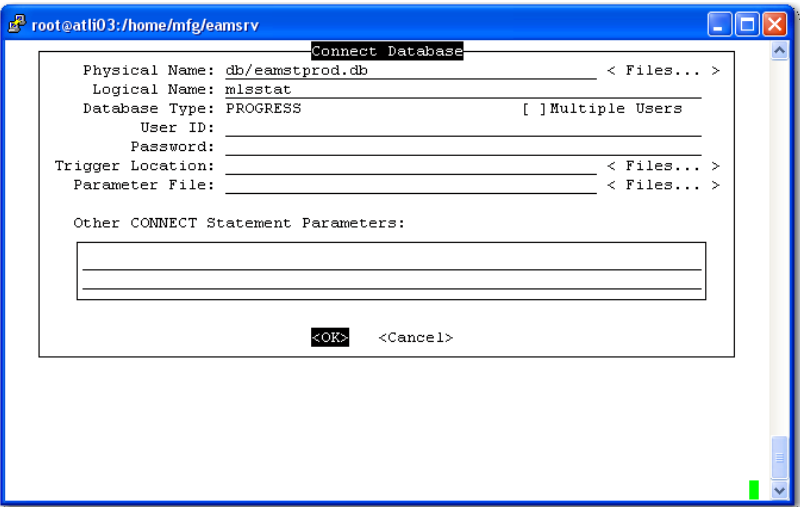
- 17 Tab or right-arrow to Close, then press Enter to close the storage area complete window.

Fig. 1.148
UNIX: Close
Storage Area
Complete Window



- 18 Tab or right-arrow to OK, then press Enter to connect the Stat database.

Fig. 1.149
UNIX: Connect
Stat Database



- 19 Tab or right-arrow to Close, then press Enter to close the connect complete window.

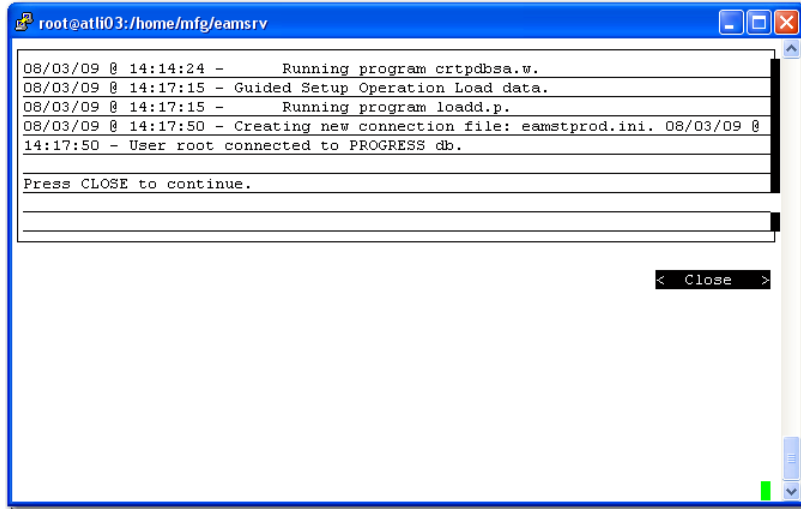


Fig. 1.150
UNIX: Close
Connect Complete
Window.

- 20 Tab or right-arrow to OK, then press Enter to Select tables.

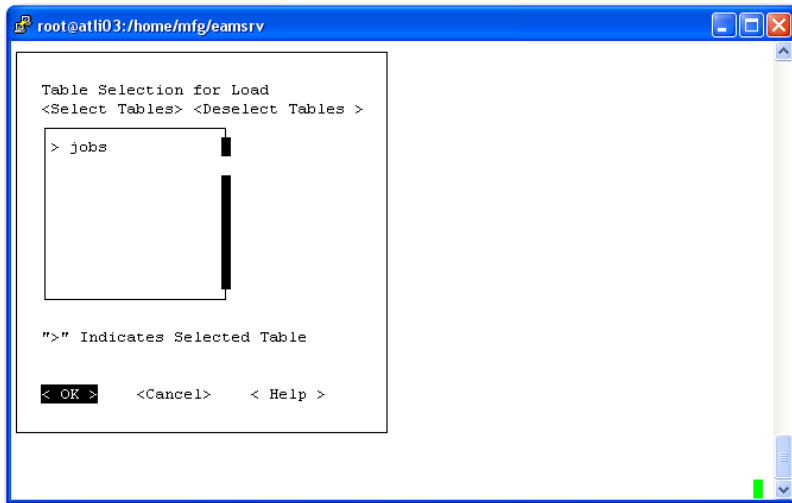
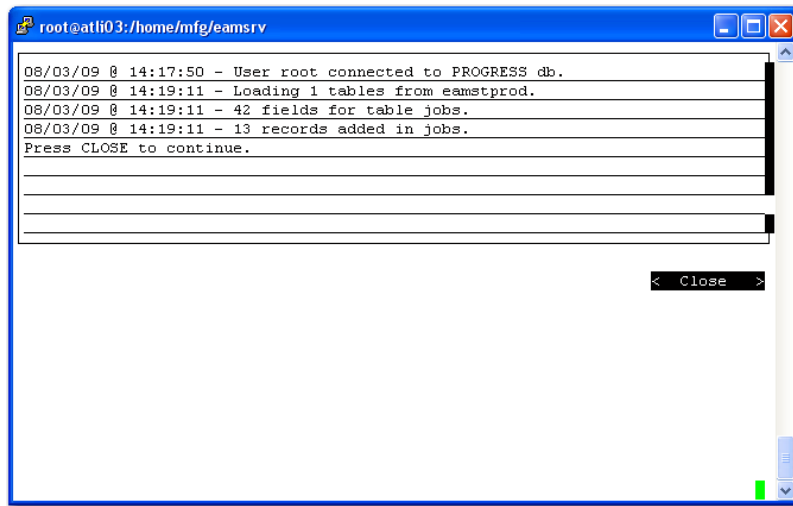


Fig. 1.151
UNIX: Select
Tables

- 21 Tab or right-arrow to Close, then press Enter to close the table select complete window.

Fig. 1.152
UNIX: Close Table
Select



- 22 Tab or right-arrow to Truncate, then press Enter to truncate eamempty.db.

Fig. 1.153
UNIX: Truncate
Stat Database



- 23 Tab or right-arrow to Close, then press Enter to close the truncate complete window.

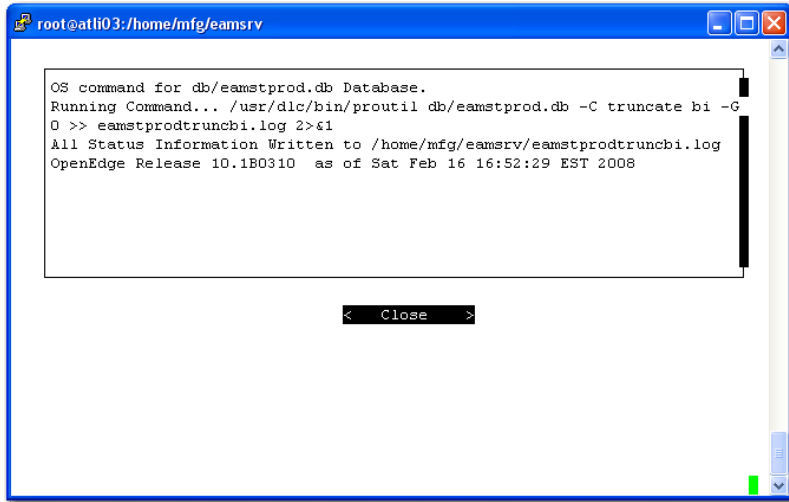


Fig. 1.154
UNIX: Close
Truncate Complete
Window

- 24 Tab or right-arrow to Close, then press Enter to close the final operation set window.

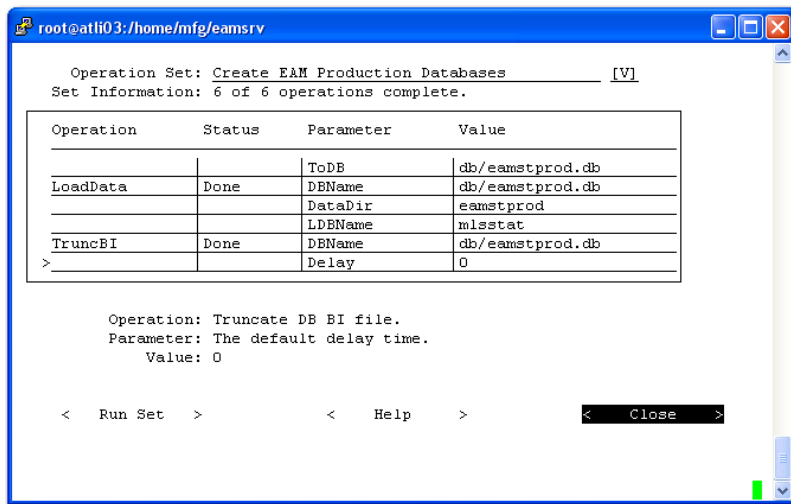


Fig. 1.155
UNIX: Close Final
Operation Set
Window

Create the Progress Translation Databases Operation Set

The Empty database you created serves as a model for the Translation database. Translation is empty when you complete its installation.

- 1 Tab or right-arrow to the Configure menu. Down-arrow to EAM Server Guided Setup. Press Enter to select it.

Fig. 1.156
UNIX: EAM
Guided Setup



- 2 Down-arrow to Create Progress Translations Database. Press Enter to select it.

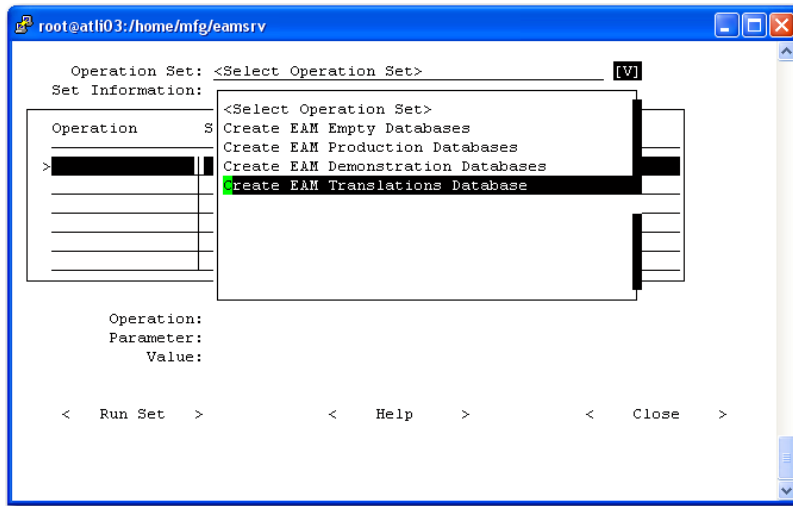


Fig. 1.157
UNIX: Install
Translations
Database

- 3 Tab or right-arrow to Run Set. Press Enter to select it.

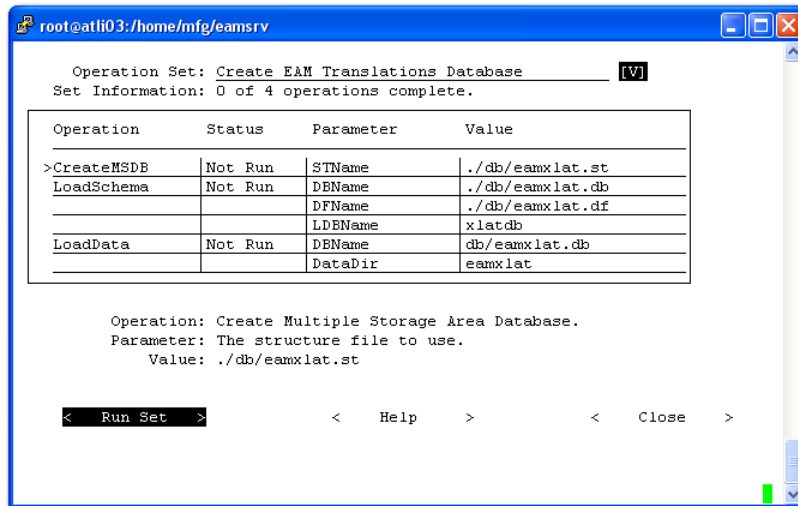
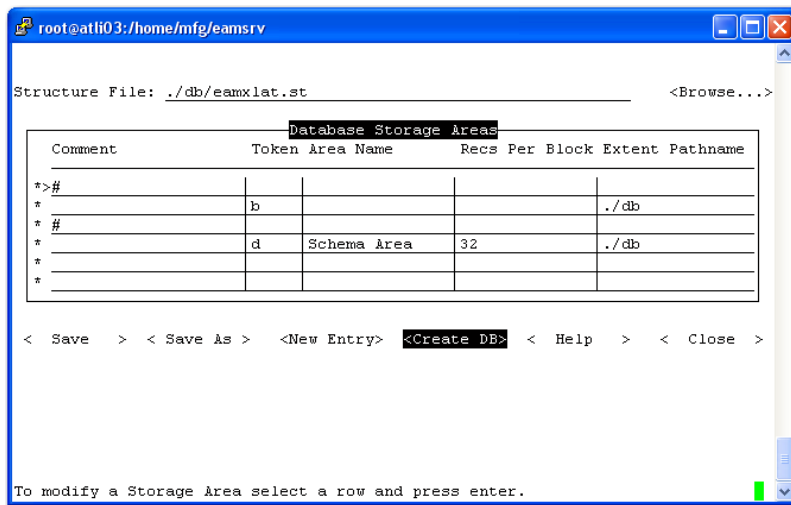


Fig. 1.158
UNIX:
Translations
Database Run Set

- 4 Tab or right-arrow to Create DB. Press Enter to create the eamxlat structure file.

Fig. 1.159
UNIX: Create
Eamxlat.st



Structure File: ./db/eamxlat.st <Browse...>

Comment	Token	Area Name	Recs Per Block	Extent	Pathname
*>#					
* #	b				./db
* #	d	Schema Area	32		./db
*					
*					

< Save > < Save As > < New Entry > < Create DB > < Help > < Close >

To modify a Storage Area select a row and press enter.

- 5 For codepage ISO-8859-1, select the Progress Empty option. Tab to OK and Enter to create/copy the Translations Database.

Fig. 1.160
UNIX: Create/
Copy Eamprod DB



Create/Copy Database

() Other Database
(X) Progress Empty

New Database: ./db/eamxlat < OK >

DB Block Size: 8192 (8K) [V] < Cancel >

Enter data or press F4 to end.

For codepage GB2312, select the Other Database option.

- a** Browse to /usr/dlc/prolang/sch/gb2312.
- b** Select empty8.db.

Note The path is case-sensitive, if you choose to enter it manually.

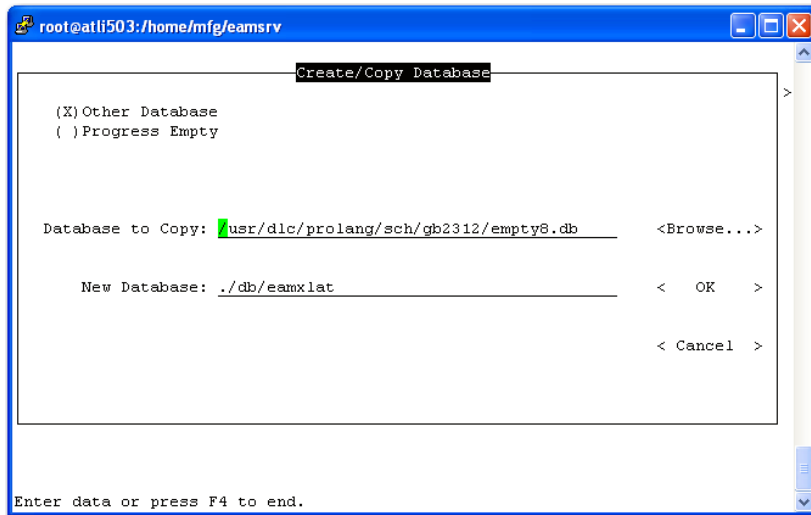


Fig. 1.161
UNIX: Progress
Empty DB for
GB2312

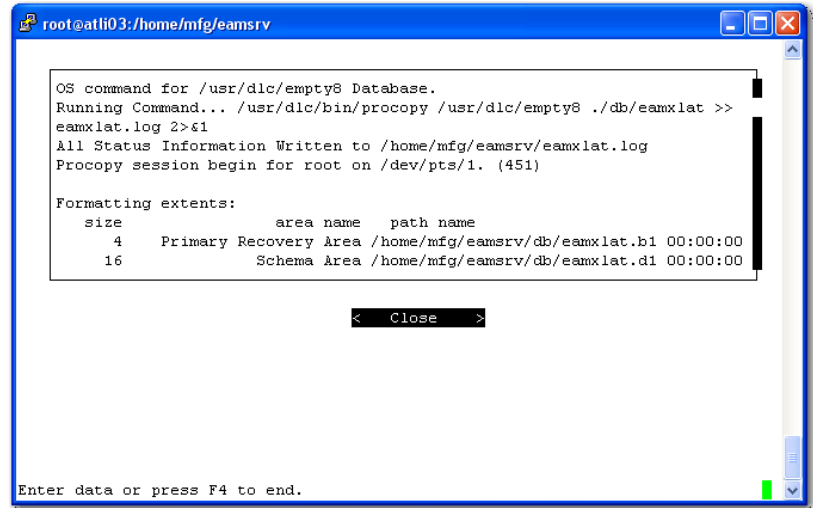
For codepage 1250, select the Other Database option.

- a** Browse to /usr/dlc/prolang/hun.
- b** Select empty8.db.

Note The path is case-sensitive, if you choose to enter it manually.

- 6** Close the monitor window.

Fig. 1.162
UNIX: Create/
Copy Eamprod DB



root@atl03:/home/mfg/eamsvr

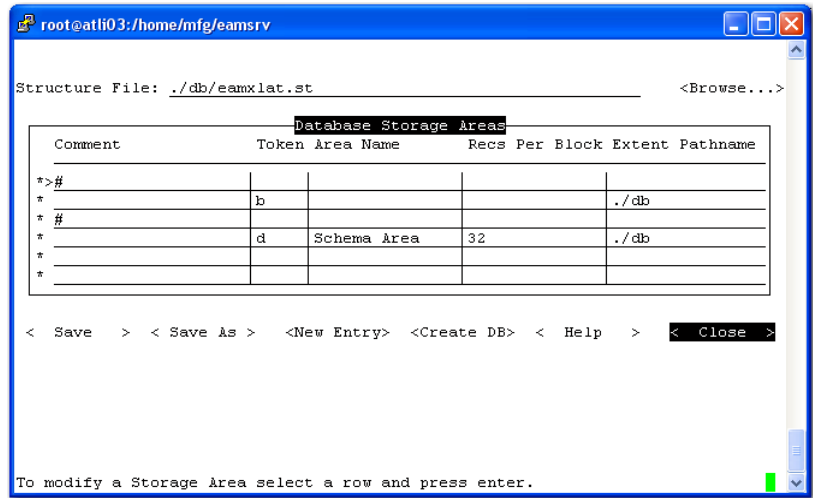
```
OS command for /usr/dlc/empty8 Database.  
Running Command... /usr/dlc/bin/procopy /usr/dlc/empty8 ./db/eamxlat >>  
eamxlat.log 2>&1  
All Status Information Written to /home/mfg/eamsvr/eamxlat.log  
Procopy session begin for root on /dev/pts/1. (451)  
  
Formatting extents:  
      size      area name      path name  
      4      Primary Recovery Area /home/mfg/eamsvr/db/eamxlat.b1 00:00:00  
     16      Schema Area /home/mfg/eamsvr/db/eamxlat.d1 00:00:00
```

< Close >

Enter data or press F4 to end.

7 Close the Database Storage Area.

Fig. 1.163
UNIX: Close
Storage Area



root@atl03:/home/mfg/eamsvr

Structure File: ./db/eamxlat.st <Browse...>

Comment	Token	Area Name	Recs	Per Block Extent	Pathname
*>#					
* #	b				./db
* #	d	Schema Area	32		./db
*					
*					

< Save > < Save As > <New Entry> <Create DB> < Help > < Close >

To modify a Storage Area select a row and press enter.

- 8 Tab or right-arrow to OK to connect the Translations Database.

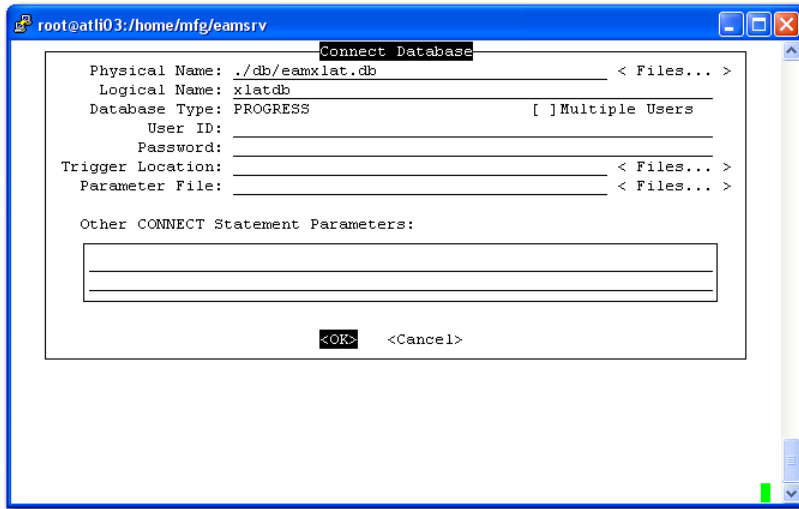


Fig. 1.164
UNIX: Connect
Translations
Database

- 9 Tab to OK to accept the default data definition file to load.

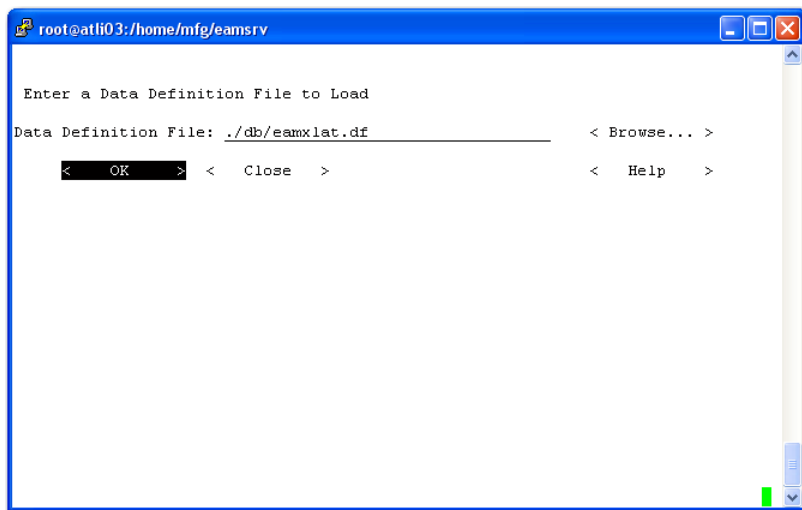
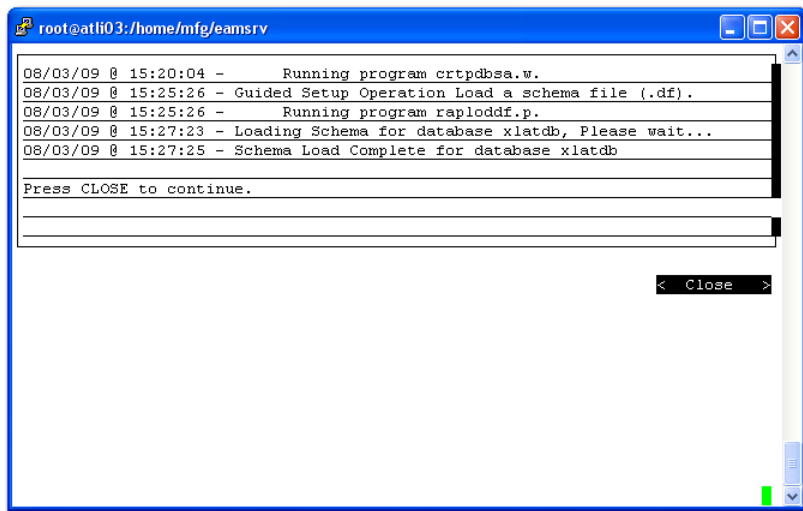


Fig. 1.165
UNIX: Load Data
Definition File

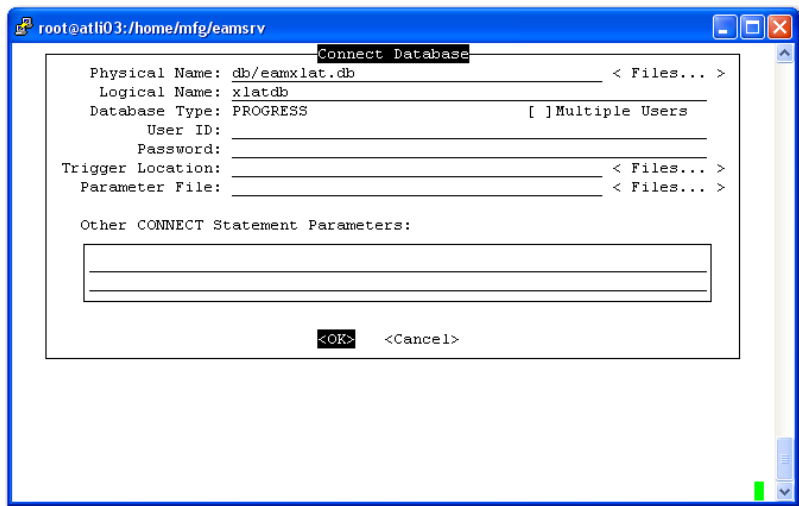
- 10 Tab or right-arrow to Close, then press Enter to close the window.

Fig. 1.166
UNIX: Close
Window



- 11 Tab or right-arrow to OK, then press Enter to connect the Translation database.

Fig. 1.167
UNIX: Connect
Xlat Database



- 12 Tab or right-arrow to Close, then press Enter to close the connect complete window.

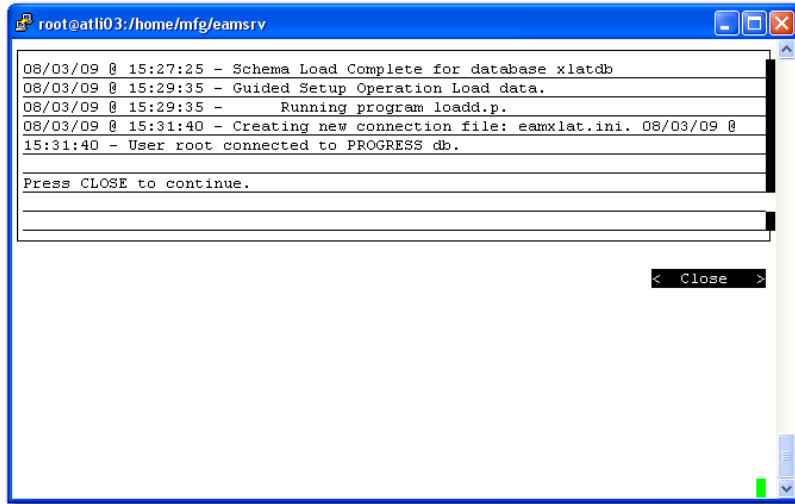


Fig. 1.168
UNIX: Close
Connect Complete
Window.

- 13 Tab or right-arrow to OK, then press Enter to select tables.

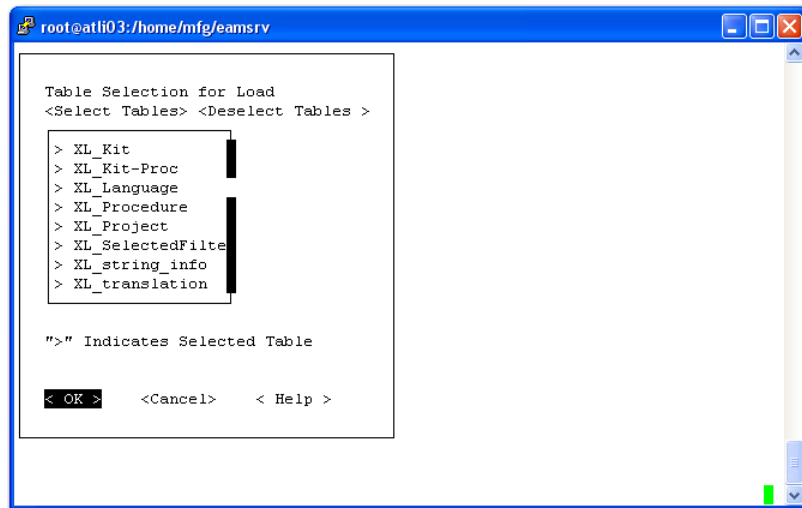
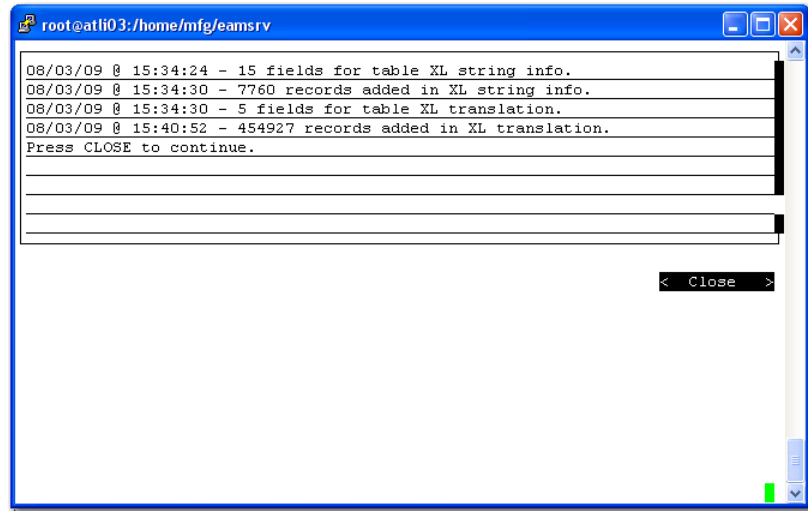


Fig. 1.169
UNIX: Select
Tables

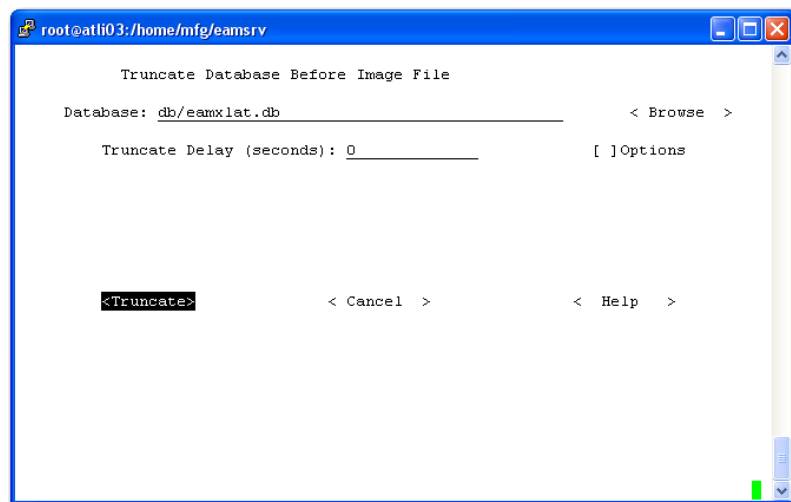
- 14 Press Enter to Close when the system displays the completion window.

Fig. 1.170
UNIX: Close Table
Selection Window



- 15 Tab or right-arrow to Truncate and press Enter to truncate eamxlat.db.

Fig. 1.171
UNIX: Truncate BI



- 16 Tab or right-arrow to Close and press Enter to close the truncate bi file process.

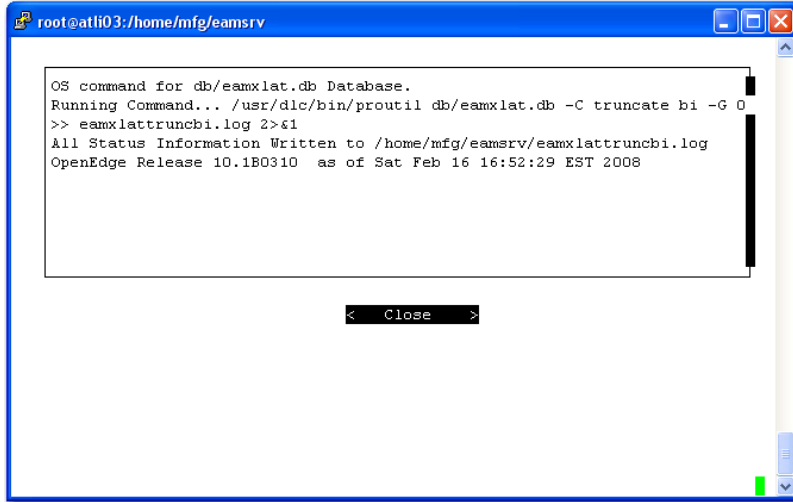


Fig. 1.172
UNIX: Close
Truncate BI
Window.

- 17 Tab or right-arrow to Close, then press Enter to close the storage area complete window.

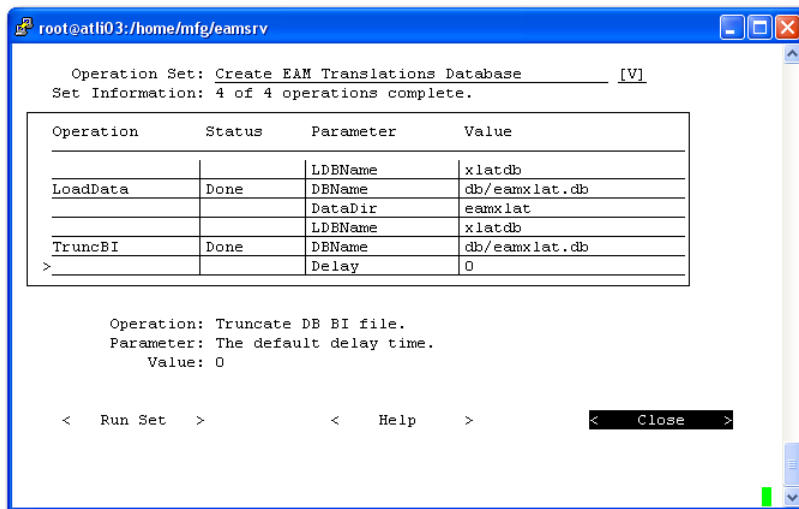
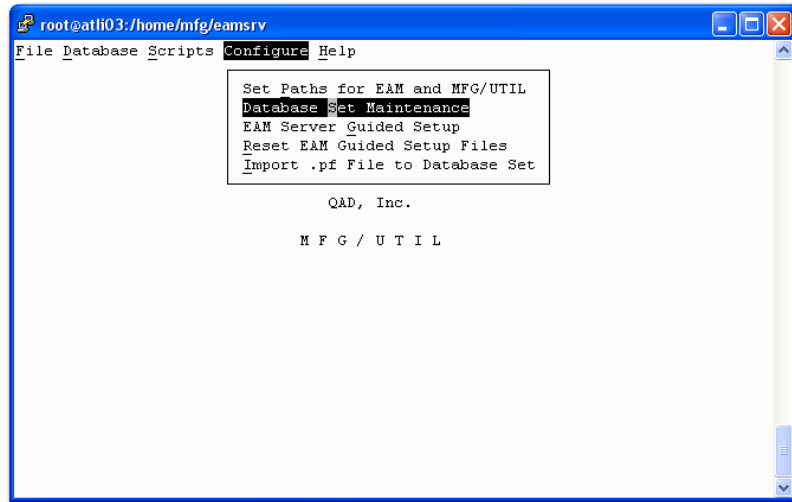


Fig. 1.173
UNIX: Close
Storage Area
Complete Window

Add Host and Service Parameters for UNIX

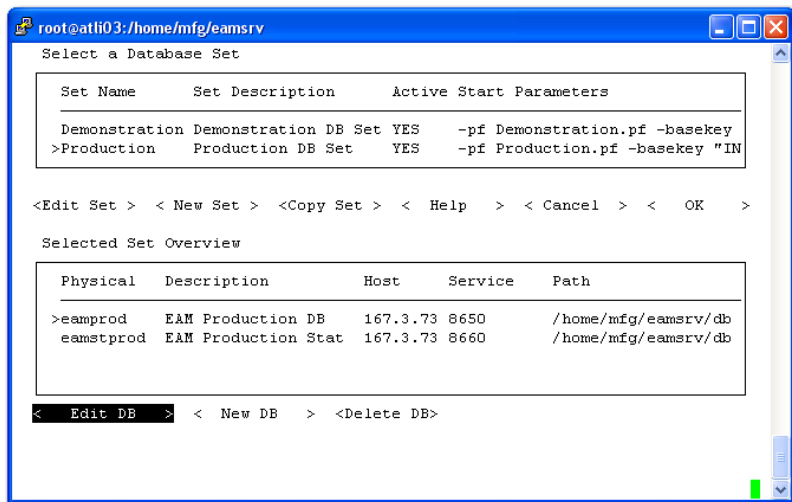
- 1 Tab or right-arrow to Configure|Database Set Maintenance.

Fig. 1.174
UNIX: Set
Database Paths



- 2 Tab or right-arrow to scroll to EAM Prod. Tab or right-arrow to Edit DB.

Fig. 1.175
UNIX: Select
Production DB



- 3 Edit the Production database parameters:
 - host
 - service
- a Type the service name, then reference the service port. The service port is in the UNIX/etc/services folder.
- b Tab or right-arrow to OK, then press Enter. Confirm the script production.

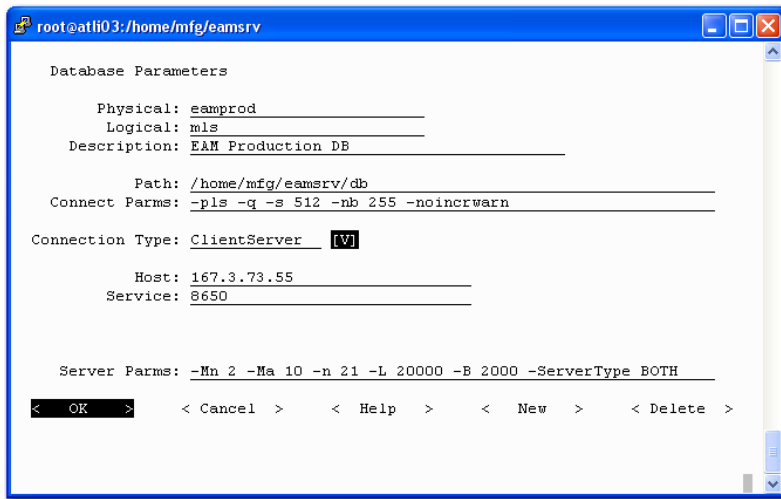


Fig. 1.176
UNIX: Edit
Database
Parameters

- 4 Edit the Stat database parameters.
 - host
 - service
 - a Type the service name, then reference the service port. The service port is in the UNIX/etc/services folder.
 - b Tab or right-arrow to OK, then press Enter. Confirm the script production.

Fig. 1.177
UNIX: Edit Host/
Service Parameters

```

root@atl03:/home/mfg/eamsrv

Database Parameters

Physical: eamstprod
Logical:  misstat
Description: EAM Production Stat DB

Path: /home/mfg/eamsrv/db
Connect Params:

Connection Type: ClientServer [V]

Host: 167.3.73.55
Service: 8660

Server Params: -Mn 2 -Ma 10 -n 21 -L 20000 -B 1000 -ServerType BOTH

< OK >    < Cancel >    < Help >    < New >    < Delete >
  
```

- 5 Tab or right-arrow to OK, then press Enter to exit.

Generate Scripts

- 1 Navigate to Scripts|Generate scripts.

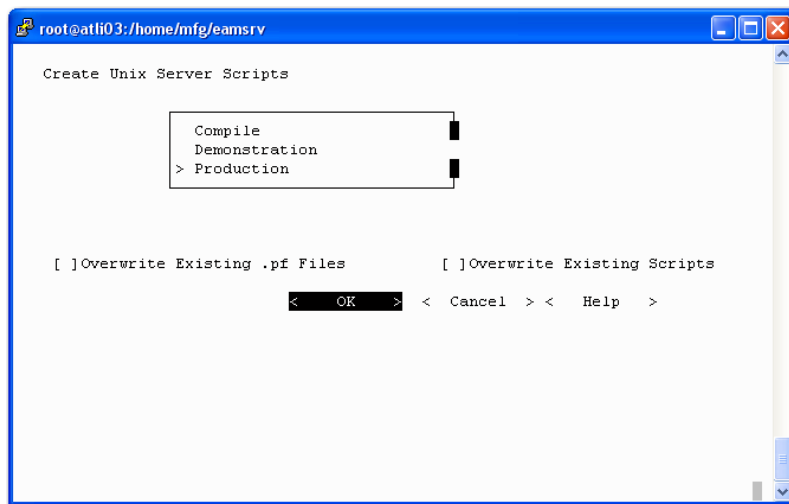


Fig. 1.178
UNIX:
Scripts|Generate
Script

- 2 Down arrow to Production.
- 3 Press the spacebar to select it.

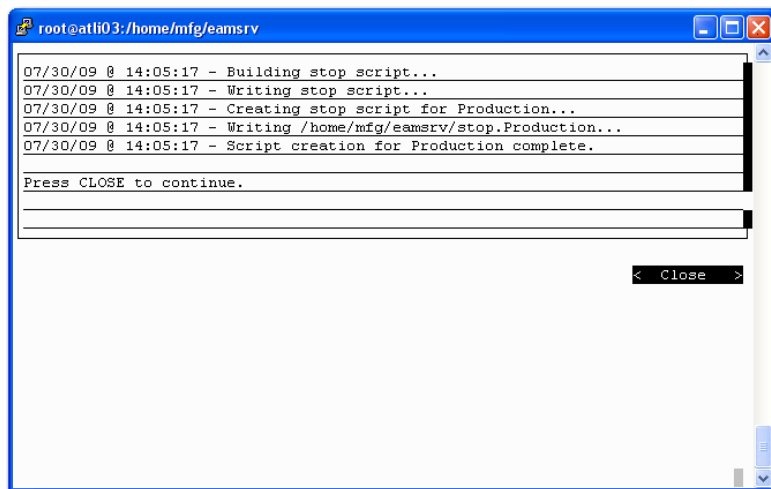
- 4 Select Overwrite Existing .pf Files and Overwrite Existing Scripts.
- 5 Tab or right-arrow to OK, then press Enter.

Fig. 1.179
UNIX: Create
Script



- 6 Tab or right-arrow to OK, then Yes to overwrite.
- 7 Tab or right-arrow to Close, then press Enter when complete.

Fig. 1.180
UNIX: Close
Create Script



8 Navigate to File|Exit.

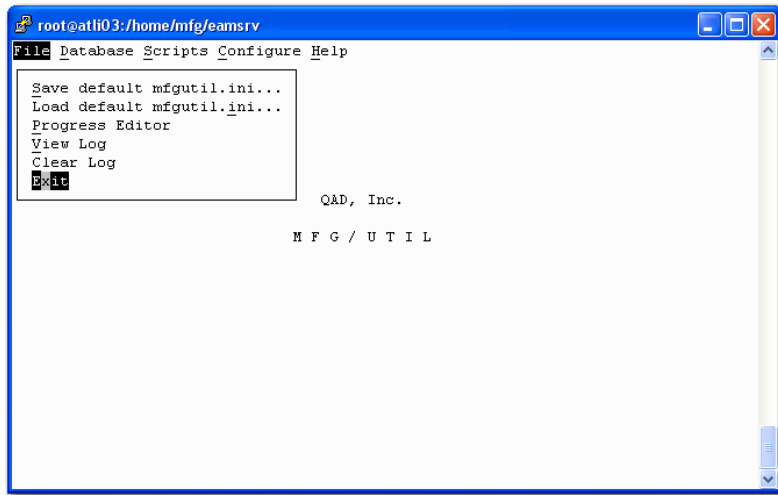
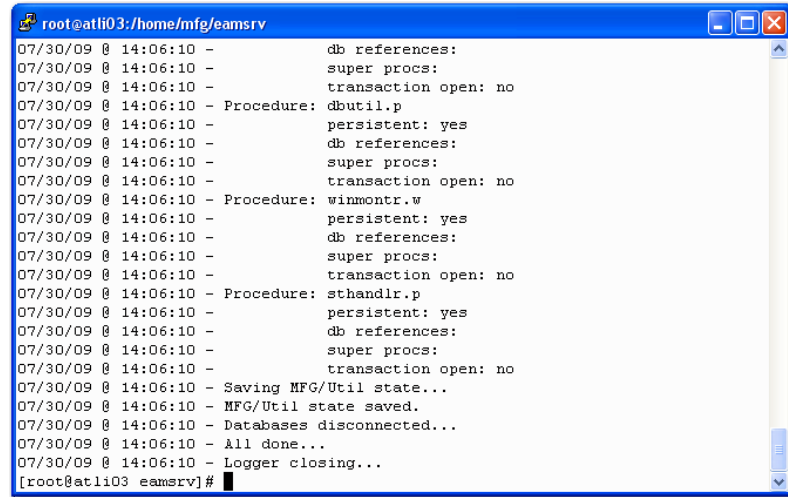


Fig. 1.181
UNIX: File|Exit

Verify Installation

- 1 Reference mfgulog.log to verify installation.

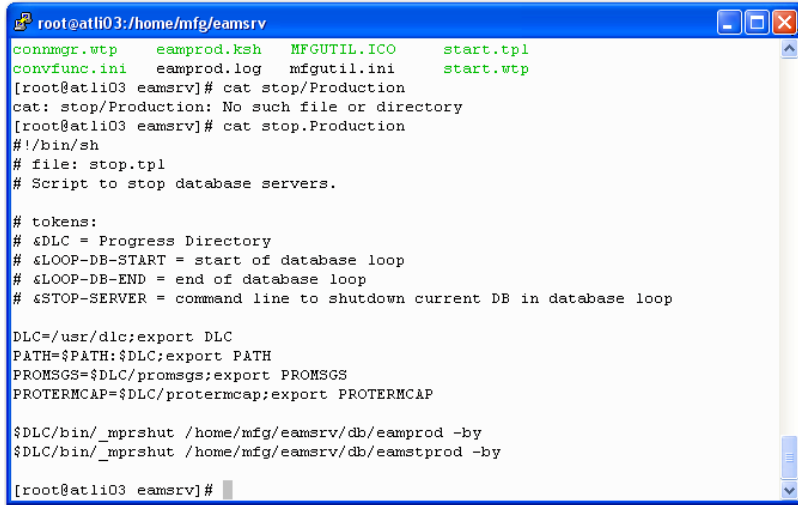
Fig. 1.182
UNIX: Verify
Installation



```
root@atl103:/home/mfg/eamsrv
07/30/09 @ 14:06:10 - db references:
07/30/09 @ 14:06:10 - super procs:
07/30/09 @ 14:06:10 - transaction open: no
07/30/09 @ 14:06:10 - Procedure: dbutil.p
07/30/09 @ 14:06:10 - persistent: yes
07/30/09 @ 14:06:10 - db references:
07/30/09 @ 14:06:10 - super procs:
07/30/09 @ 14:06:10 - transaction open: no
07/30/09 @ 14:06:10 - Procedure: winmontr.w
07/30/09 @ 14:06:10 - persistent: yes
07/30/09 @ 14:06:10 - db references:
07/30/09 @ 14:06:10 - super procs:
07/30/09 @ 14:06:10 - transaction open: no
07/30/09 @ 14:06:10 - Procedure: sthandlr.p
07/30/09 @ 14:06:10 - persistent: yes
07/30/09 @ 14:06:10 - db references:
07/30/09 @ 14:06:10 - super procs:
07/30/09 @ 14:06:10 - transaction open: no
07/30/09 @ 14:06:10 - Saving MFG/Util state...
07/30/09 @ 14:06:10 - MFG/Util state saved.
07/30/09 @ 14:06:10 - Databases disconnected...
07/30/09 @ 14:06:10 - All done...
07/30/09 @ 14:06:10 - Logger closing...
[root@atl103 eamsrv]#
```

Production Scripts

- Below is a sample of the Stop production script:



```

root@atl103:/home/mfg/eamsrv
conmmgr.wtp    eamprod.ksh    MFGUTIL.ICO    start.tpl
convfunc.ini   eamprod.log    mfgutil.ini     start.wtp
[root@atl103 eamsrv]# cat stop/Production
cat: stop/Production: No such file or directory
[root@atl103 eamsrv]# cat stop.Production
#!/bin/sh
# file: stop.tpl
# Script to stop database servers.

# tokens:
# &DLC = Progress Directory
# &LOOP-DB-START = start of database loop
# &LOOP-DB-END = end of database loop
# &STOP-SERVER = command line to shutdown current DB in database loop

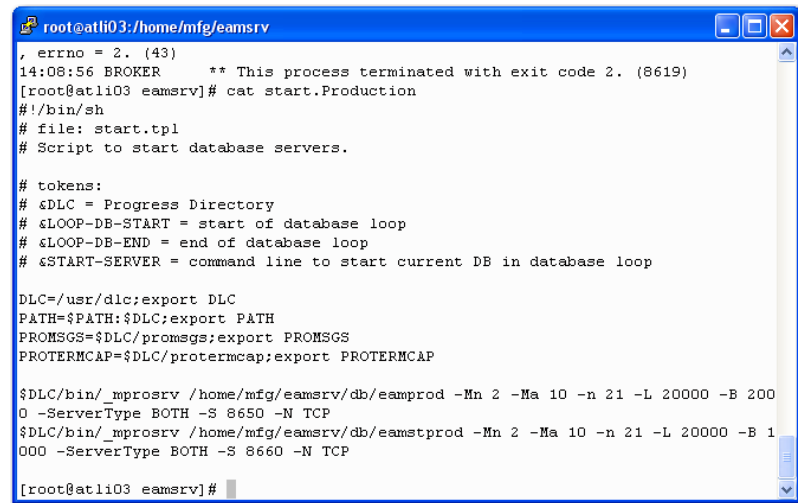
DLC=/usr/dlc;export DLC
PATH=$PATH:$DLC;export PATH
PROMSGS=$DLC/promsgs;export PROMSGS
PROTERMCAPI=$DLC/protermcap;export PROTERMCAPI

$DLC/bin/_mprshut /home/mfg/eamsrv/db/eamprod -by
$DLC/bin/_mprshut /home/mfg/eamsrv/db/eamstprod -by
[root@atl103 eamsrv]#

```

Fig. 1.183
UNIX: Stop
Production Script

- Below is a sample of the Start production script:



```

root@atl103:/home/mfg/eamsrv
, errno = 2. (43)
14:08:56 BROKER    ** This process terminated with exit code 2. (8619)
[root@atl103 eamsrv]# cat start.Production
#!/bin/sh
# file: start.tpl
# Script to start database servers.

# tokens:
# &DLC = Progress Directory
# &LOOP-DB-START = start of database loop
# &LOOP-DB-END = end of database loop
# &START-SERVER = command line to start current DB in database loop

DLC=/usr/dlc;export DLC
PATH=$PATH:$DLC;export PATH
PROMSGS=$DLC/promsgs;export PROMSGS
PROTERMCAPI=$DLC/protermcap;export PROTERMCAPI

$DLC/bin/_mprsrv /home/mfg/eamsrv/db/eamprod -Mn 2 -Ma 10 -n 21 -L 20000 -B 200
0 -ServerType BOTH -S 8650 -N TCP
$DLC/bin/_mprsrv /home/mfg/eamsrv/db/eamstprod -Mn 2 -Ma 10 -n 21 -L 20000 -B 1
000 -ServerType BOTH -S 8660 -N TCP
[root@atl103 eamsrv]#

```

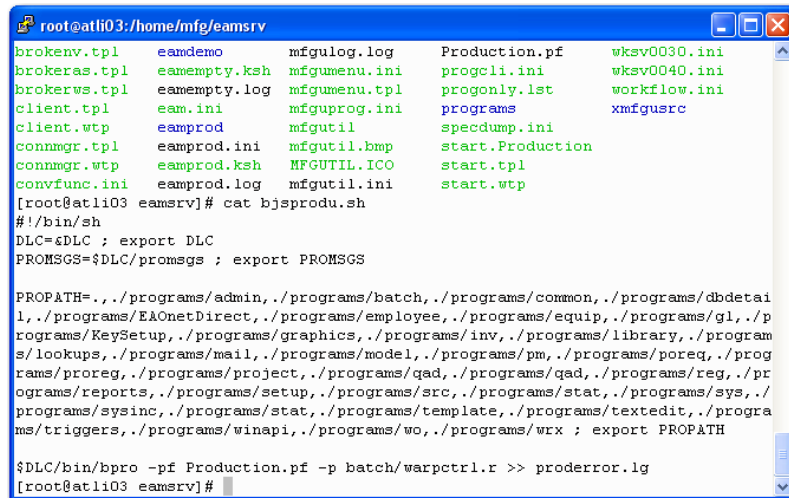
Fig. 1.184
UNIX: Start
Production Script

Note You can change start parameters in this script.

Start and Stop the Database

- 1 Navigate to the server directory.
- 2 Enter `./start.Production` to start the database.

Fig. 1.185
UNIX: Start
Production
Database



```

root@atli03:/home/mfg/eamsrv
brokenv.tpl      eamdemo         mfgulog.log      Production.pf     wksv0030.ini
brokeras.tpl     eamempty.ksh    mfgumenu.ini     progcli.ini      wksv0040.ini
brokerws.tpl     eamempty.log    mfgumenu.tpl     progenly.lst     workflow.ini
client.tpl       eam.ini         mfguprog.ini     programs         xmfgusrc
client.wtp       eamprod         mfgutil          specdump.ini
connmgr.tpl      eamprod.ini     mfgutil.bmp      start.Production
connmgr.wtp      eamprod.ksh     MFGUTIL.ICO      start.tpl
convfunc.ini     eamprod.log     mfgutil.ini      start.wtp
[root@atli03 eamsrv]# cat bjsprodu.sh
#!/bin/sh
DLC=<DLC ; export DLC
PROMSGS=$DLC/promsgs ; export PROMSGS

PROPATH=../programs/admin,../programs/batch,../programs/common,../programs/dbdetail,../programs/EaOnetDirect,../programs/employee,../programs/equip,../programs/gl,../programs/KeySetup,../programs/graphics,../programs/inv,../programs/library,../programs/lookups,../programs/mail,../programs/model,../programs/pm,../programs/poreq,../programs/proreg,../programs/project,../programs/qad,../programs/qad,../programs/reg,../programs/reports,../programs/setup,../programs/src,../programs/stat,../programs/sys,../programs/sysinc,../programs/stat,../programs/template,../programs/textedit,../programs/triggers,../programs/winapi,../programs/wo,../programs/wrx ; export PROPATH

$DLC/bin/bpro -pf Production.pf -p batch/warpctrl.r >> proderror.lg
[root@atli03 eamsrv]#

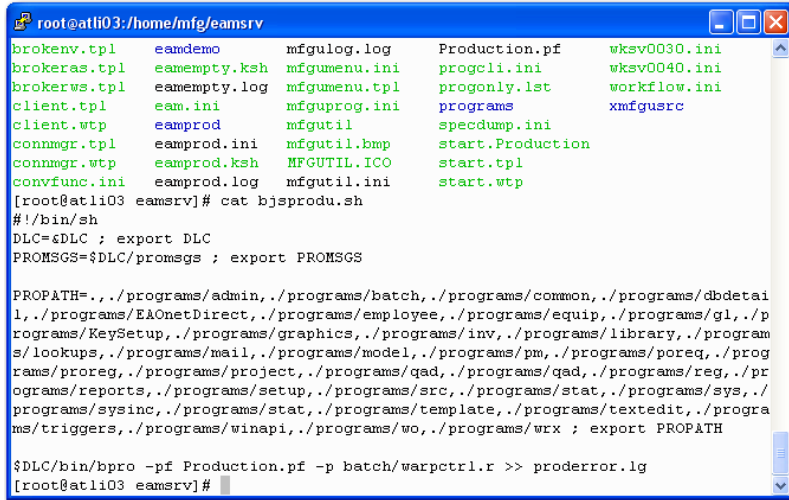
```

- 3 Enter `./stop.Production` to stop the database.

Batch Job Scheduler

Installation creates batch job scripts, `bj$dbnameu.sh`.

Here is a sample:



```

root@atl03:/home/mfg/eamsrv
brokenv.tpl      eamdemo         mfgulog.log      Production.pf     wksv0030.ini
brokeras.tpl     eamempty.ksh    mfgumenu.ini     progcli.ini      wksv0040.ini
brokerws.tpl     eamempty.log    mfgumenu.tpl     progonly.lst     workflow.ini
client.tpl       eam.ini         mfguprog.ini     programs         xmfgusrc
client.wtp       eamprod         mfgutil          speedump.ini
conmmgr.tpl      eamprod.ini     mfgutil.bmp      start.Production
conmmgr.wtp      eamprod.ksh     MFGUTIL.ICO      start.tpl
convfunc.ini     eamprod.log     mfgutil.ini      start.wtp
[root@atl03 eamsrv]# cat bjsprodu.sh
#!/bin/sh
DLC=$(DLC ; export DLC
PROMSGS=$(DLC/promsgs ; export PROMSGS

PROPATH=../programs/admin,../programs/batch,../programs/common,../programs/dbdetail,../programs/EAOnetDirect,../programs/employee,../programs/equip,../programs/gl,../programs/KeySetup,../programs/graphics,../programs/inv,../programs/library,../programs/lookups,../programs/mail,../programs/model,../programs/pm,../programs/poreq,../programs/proreg,../programs/project,../programs/qad,../programs/qad,../programs/reg,../programs/reports,../programs/setup,../programs/src,../programs/stat,../programs/sys,../programs/sysinc,../programs/stat,../programs/template,../programs/textedit,../programs/triggers,../programs/winapi,../programs/wo,../programs/wrx ; export PROPATH

$DLC/bin/bpro -pf Production.pf -p batch/warpctrl.r >> proderror.log
[root@atl03 eamsrv]#

```

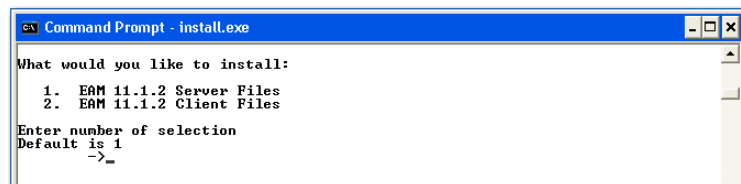
Fig. 1.186
Sample Batch Job Script

Installing the Client MFG/Util (Windows)

A full client installation requires QAD EAM on each PC client that accesses the QAD EAM database.

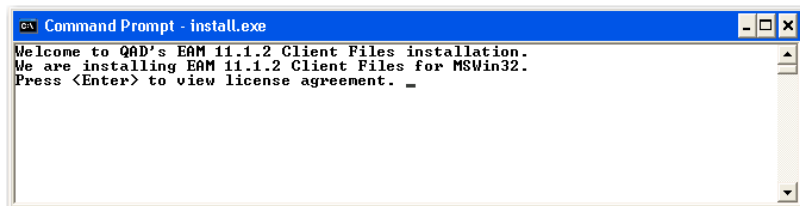
- 1 Close any open applications.
- 2 Navigate to *CDROM Drive \install\install.exe*.
- 3 Double-click the icon.
- 4 Enter 2 to start the client installation.

Fig. 1.187
Select the Client
Installation



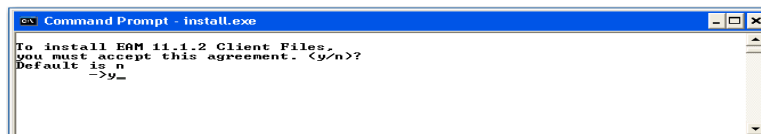
- 5 Press Enter until you reach the end of the license agreement text.

Fig. 1.188
Welcome and
License Agreement



- 6 Enter Y to accept the license agreement. You must accept the license agreement to use the application.

Fig. 1.189
License Agreement



- 7 Accept the default or enter a new log file location. If you enter a new log file location, make note of it for future installations.

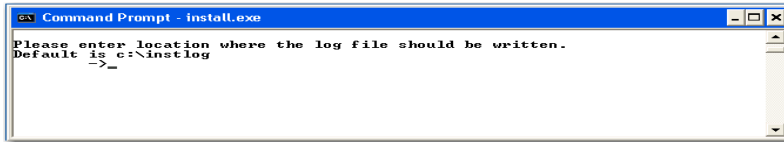


Fig. 1.190
Log File

- 8 Enter Y to create the directory.
Create? (y/n)
- 9 Accept the OE10 directory path or enter a new directory path.
- 10 Accept the default directory path where server files were installed, or enter the correct path.

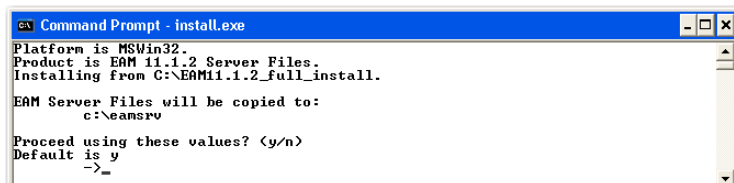


Fig. 1.191
Client Icon
Directory Location

- 11 Confirm or change the directory location for the client files.
- 12 Confirm the location for the client files.
- 13 Confirm or change the client icon directory.

Compiling the EAM Server for the Client

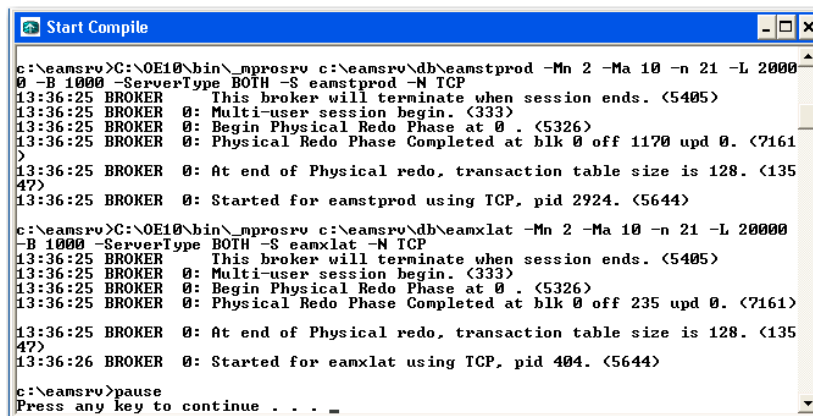
- 1 Navigate to Start|All Programs|QAD Enterprise Asset Management Server|Start Compile.

Fig. 1.192
Start Compile



- 2 Verify that compile databases have started in multi-user mode.

Fig. 1.193
Verify Compile
Databases



- 3 Navigate to Start|All Programs|QAD Enterprise Asset Management Client|MFGUtil (GUI).

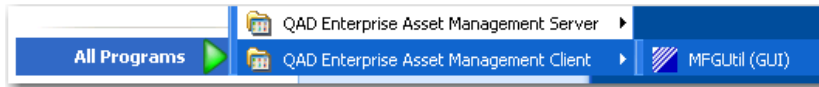


Fig. 1.194
Launch Client
MFG/Util

- 4 Select Configure|EAM Client Guided Setup.

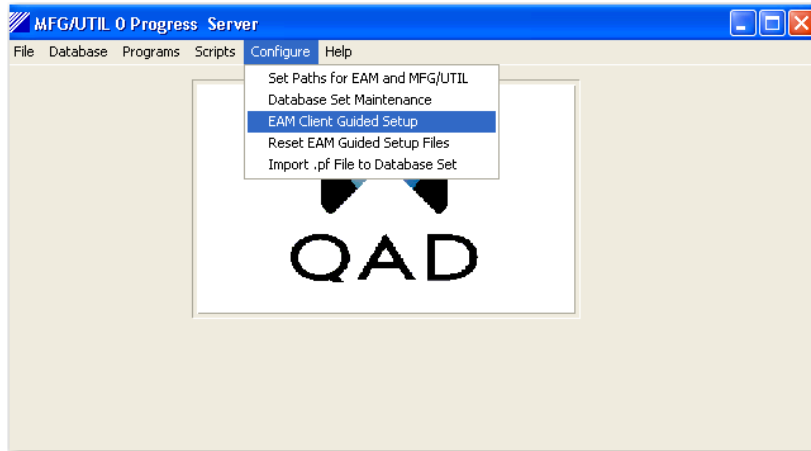


Fig. 1.195
Launch Client
Guided Setup

- 5 Click Run Set.

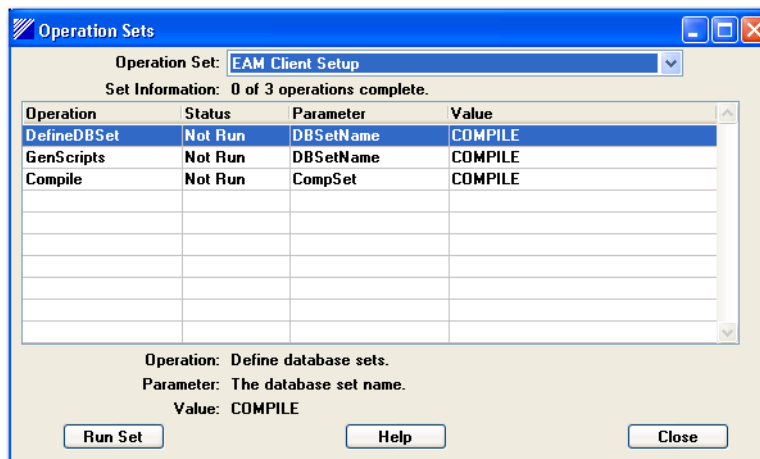
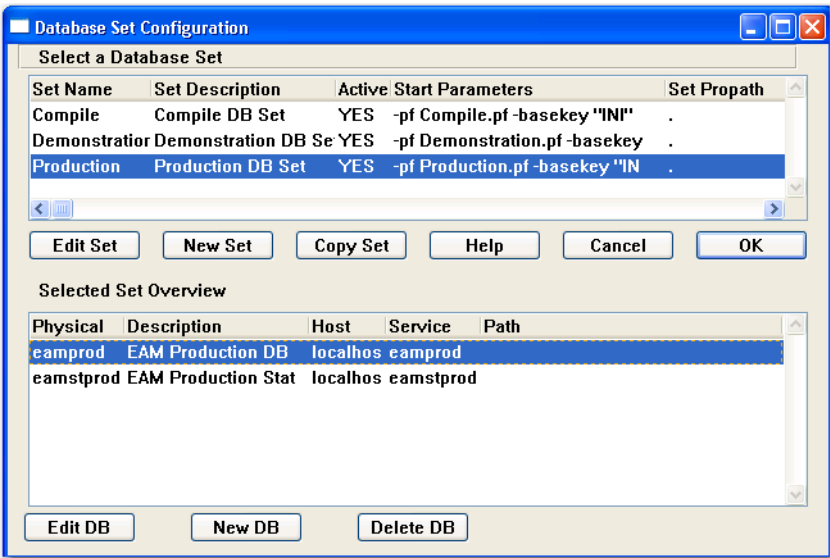


Fig. 1.196
Client Run Set

- 6 Click OK to configure the Production and Demonstration database sets for client/server operation.

Fig. 1.197
Client DB Set
Configuration



- 7 Configure the Production database by selecting it and choosing Edit Database. Use the following figure and tables as guides to enter the Database Parameters.

Fig. 1.198
DB Parameters

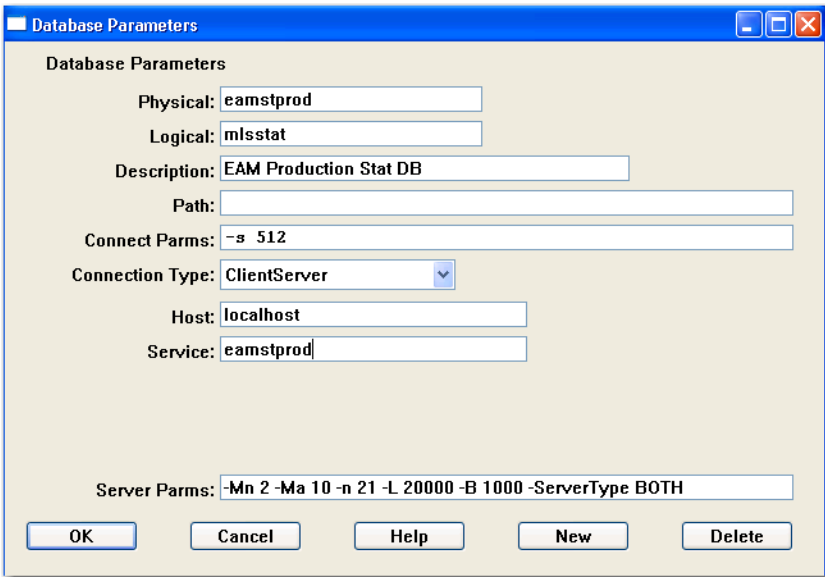


Table 1.5
Client Database
Parameter Values

Field	Description
Physical	Specify the physical name of the database; accept the default if there is one. Physical and Services values must match.
Logical	Do <i>not</i> change the logical name for any database.
Description	Specify an optional description of the database.
Connect Parms	Manually add "-s 512" for default client connections for default client connections, or enter additional Progress startup parameters as required. For more information, refer to the <i>Progress Database Administration Guide and Reference</i> . Connect Parms for eamstprod and eamstdemo are blank.
Connection Type	For localhost connections, choose the default, Local. Use the client/server option if the client is connecting to a remote database server using Progress networking.
Host	If you choose a client/server connection, enter the host name of the machine where the database is located.
Service	For client/server connections, enter a service name for the database that corresponds to an entry in your <code>/etc/services</code> file. You must make the entries in the <code>services</code> file separately; the installation does not change this file. Physical and Services values must match.
Path	If you choose a Local connection type, enter the full path to the directory containing the database file (extension <code>.db</code>). By default, this is the <code>eamsrv\.\db</code> .
Server Parms	Add -S to all databases to StartProduction.bat to enable server connections, or enter additional Progress startup parameters as required. For more information, refer to the <i>Progress Database Administration Guide and Reference</i> .

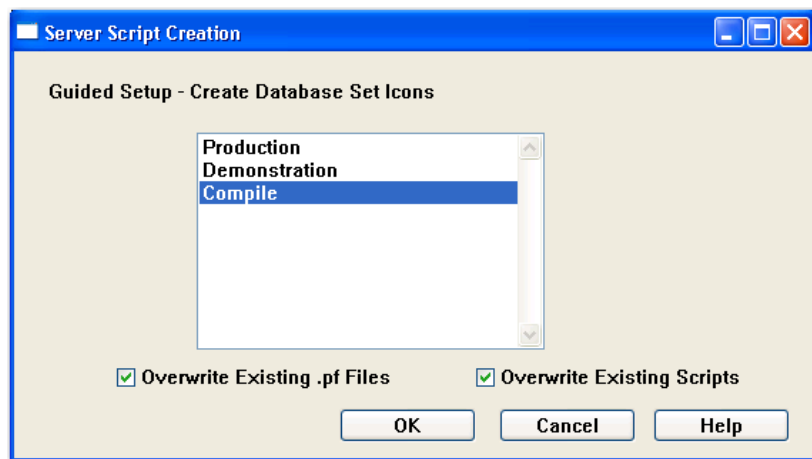
- 8 Click OK to continue.
- 9 Verify the database set in the Selected Set Overview frame.
- 10 Repeat steps 1 through 7 for each database set.
- 11 Once you have configured each database in a set—including production and demonstration—verify the database set in the Selected Set Overview frame.

Note If EAM is not integrated with the QAD ERP application, delete the MFGPRO database. Update other parameters.

- 12 Click OK.

- 13 Select both check boxes (Overwrite Existing .pf files and Overwrite Existing Scripts).
- 14 Click OK.

Fig. 1.199
Compile and
Overwrite Existing



- 15 Confirm the compile.

Note To compile the EAM server for the client, create the database set only for Compile.

- 16 Click OK to select the icon folder.

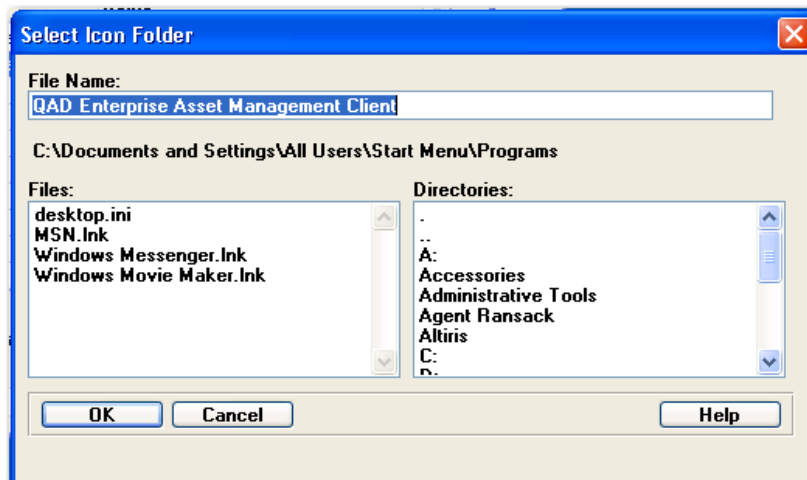


Fig. 1.200
Select the Icon
Folder

- 17 Click Close on the log window.
- 18 Click Run Set on the Operations Sets Client Setup window.

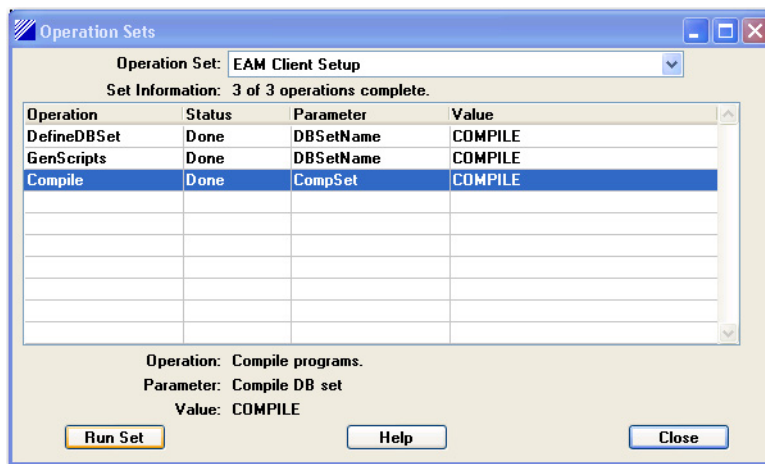
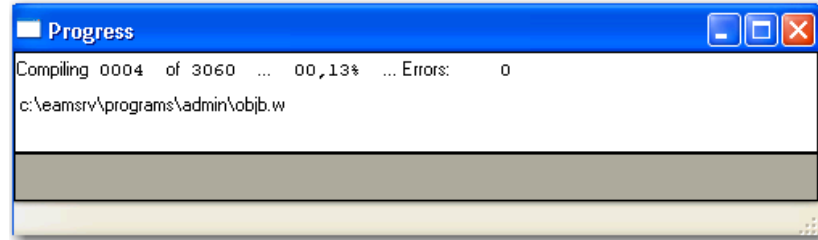


Fig. 1.201
Compile Run Set

- 19 Click OK to compile programs. The compiler can run for up to half an hour.
- 20 Click Close.

Fig. 1.202
Compile Run Set

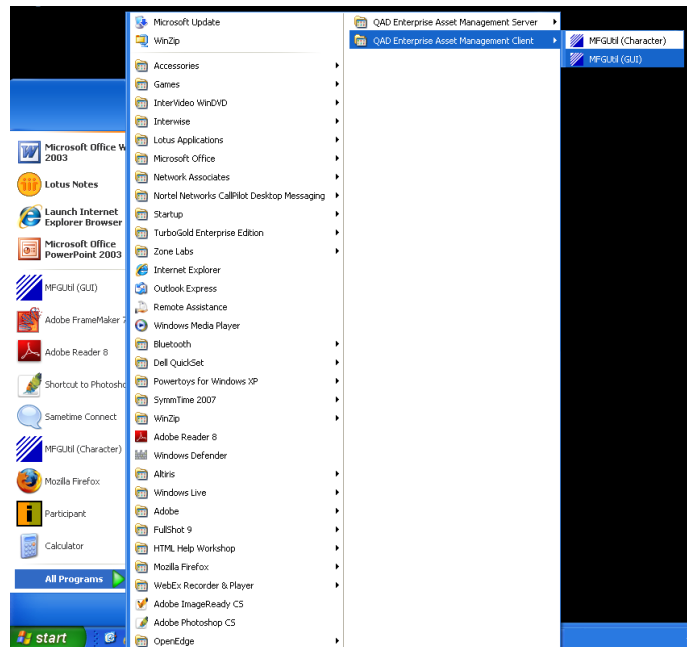


21 Navigate to C:\eamcli\eamcomp.log to check for errors.

Configuring the EAM Client

- 1 Navigate to Start|All Programs|QAD Enterprise Asset Management Client/MFGUtil (GUI).

Fig. 1.203
Configure EAM Client



Running the Postinst.bat File

The postinst.bat file registers OCX files, installs barcode fonts, creates system ODBC entries for the EAM databases, and installs the Actuate client.

- 1 Navigate to Start | Run.
- 2 Enter `cmd`, then click OK to open a command window.

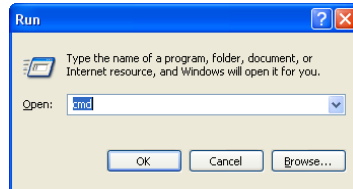


Fig. 1.204
Run cmd

- 3 Enter `cd . .` until you are at the root directory.
- 4 Navigate to `c:\eamcli\postinst.bat`. Run the batch to register the OCX files, install the barcode font, and Actuate.

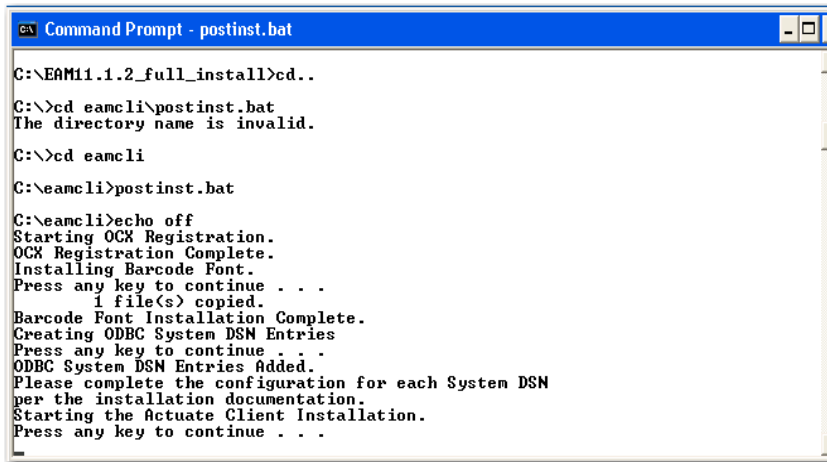


Fig. 1.205
Postinst.bat

- 5 Follow the prompts to install Actuate.



- 6 Click Next to proceed to the next Actuate installation screen.

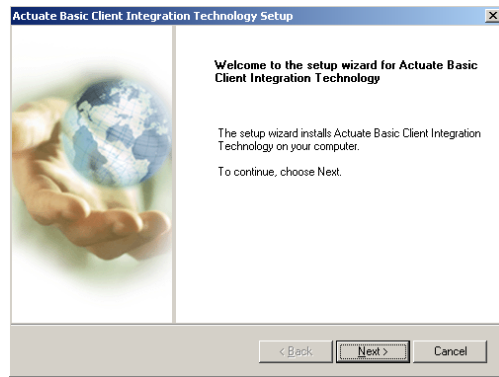


Fig. 1.206
Actuate Installation
Utility

- 7 Click Yes to accept the agreement.

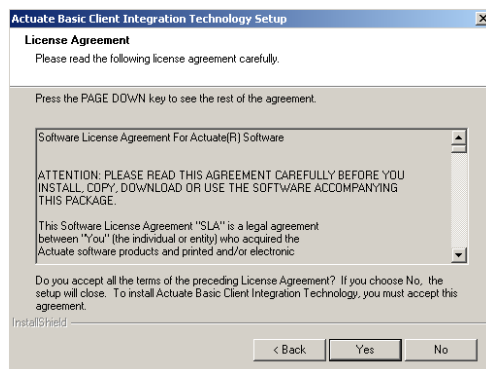


Fig. 1.207
Actuate License
Agreement

8 Select the Typical option and click Next.

Fig. 1.208
Actuate Typical
Installation

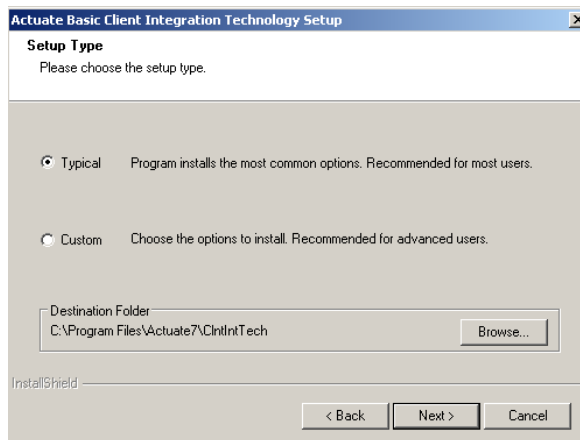
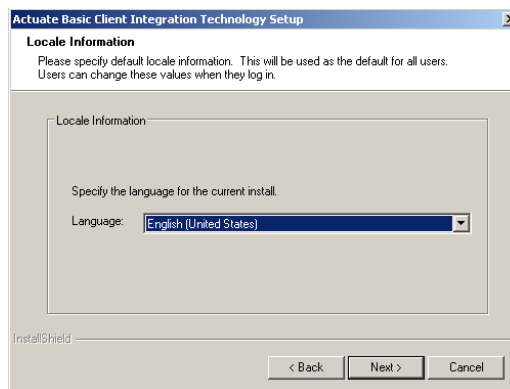
**9** Select a language and click Next.

Fig. 1.209
Actuate Language



- 10 Click Next to start copying files.

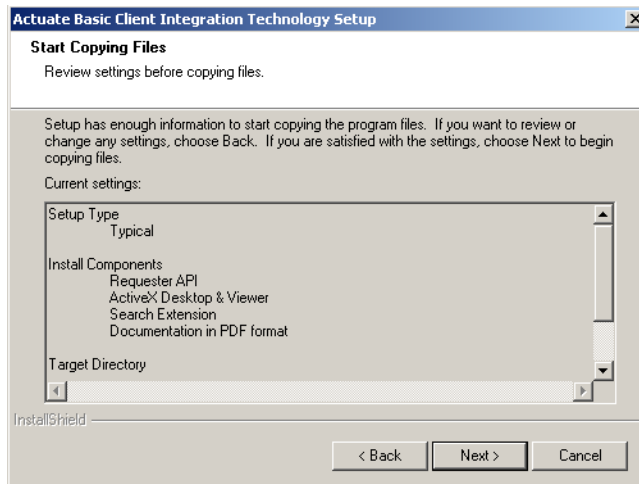


Fig. 1.210
Actuate Confirm
Install

- 11 Click Finish.



Fig. 1.211
Actuate Finish
Install

- 12 Confirm or change the icon directory.

- 13 Confirm all installation values.

The installation program displays progress messages as it creates a directory and copies files. This may take some time.

- 14 Press Enter to close the command window when the process is complete.

Generating Scripts and Database Shortcuts

The next steps create startup and shutdown scripts or shortcuts for each active database set. You can edit these scripts and icons after you generate them if you choose. There are two types of scripts or icons:

- UNIX scripts
- Windows GUI session icons

- 1 Select `Scripts|Generate Scripts`.

Fig. 1.212
Script
Configuration



- 2 Select Production, Demonstration, and Compile scripts by shift+clicking, then click OK.

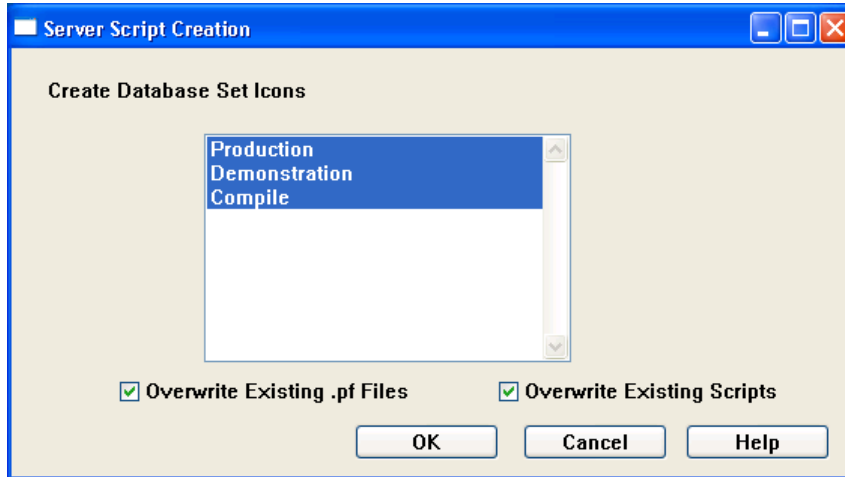


Fig. 1.213
Client Script
Configuration

- 3 Click Yes to confirm the script creation.

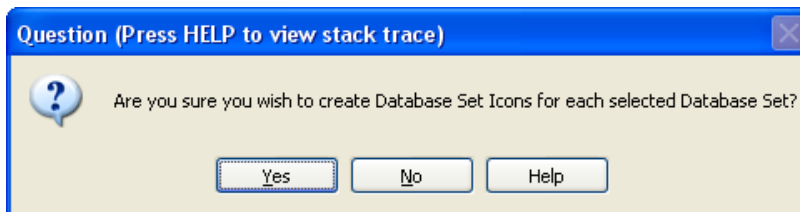
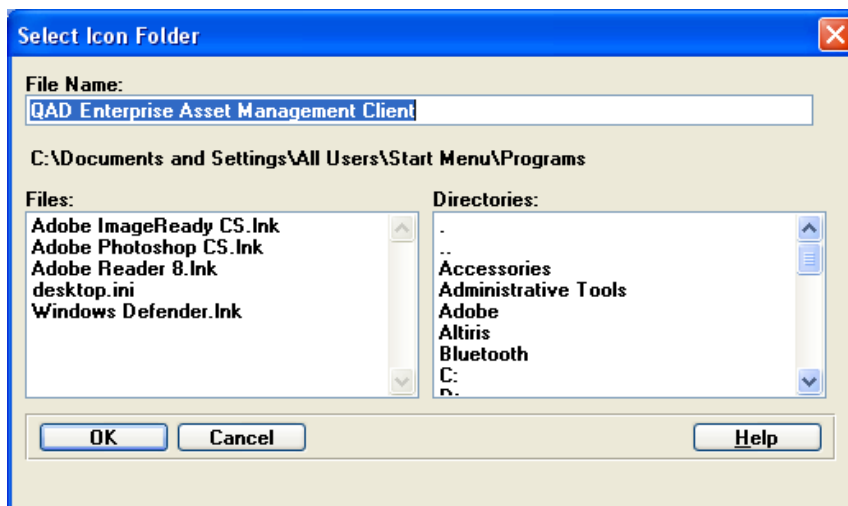


Fig. 1.214
Client Script
Configuration
Confirmation

- 4 Click OK to accept the defaults, or first indicate your preferred icon folder.

Fig. 1.215
Client Script Icon
Folder Select



- 5 Click Close when the log indicates that the process is complete.

Configuring the Data Sources

- 1 Start eamprod and eamdemo servers.
- 1 Add eamrpt user to the EAM and EAM Statistical Databases:
 - a To connect to the database from the command line, enter:

*Path to Progress bin Directory\sqlexp -db dbname
-S service port number -H host*

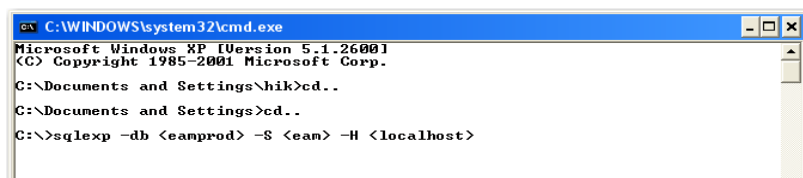


Fig. 1.216
Connect to DB

Once connected to the db, enter the following:

```
create user 'eamrpt','eamrpt';
grant dba to 'eamrpt';
commit;
```

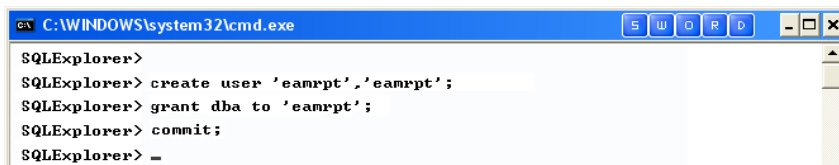


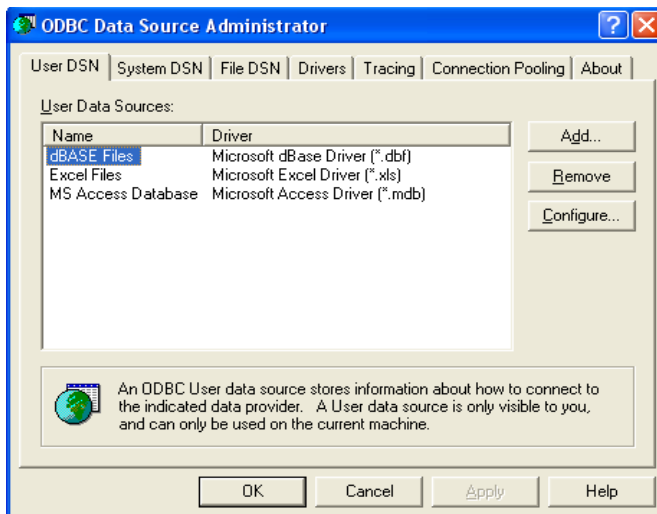
Fig. 1.217
Creating a SQL
User

Note You must commit at the end for the changes to take effect. Use single quotes only.

- b Enter quit to end the program.
- c Enter exit to leave sqlexp.

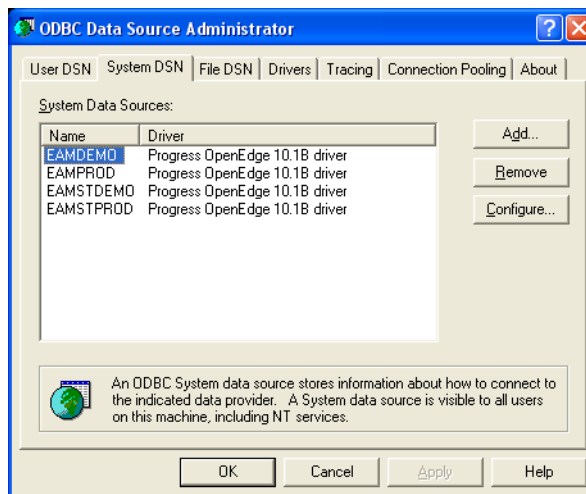
- d Complete the same steps for the EAMPROD, EAMSTPROD, EAMDEMO, and EAMSTDEMO databases.
- 1 Navigate to Start|Control Panel|Administrative Tools|Data Sources (ODBC).

Fig. 1.218
Set Up ODBC



- 2 Open the System DSN tab.

Fig. 1.219
System DSN Tab



- 3 Select the EAMDEMO database, and click Configure. The ODBC window displays.

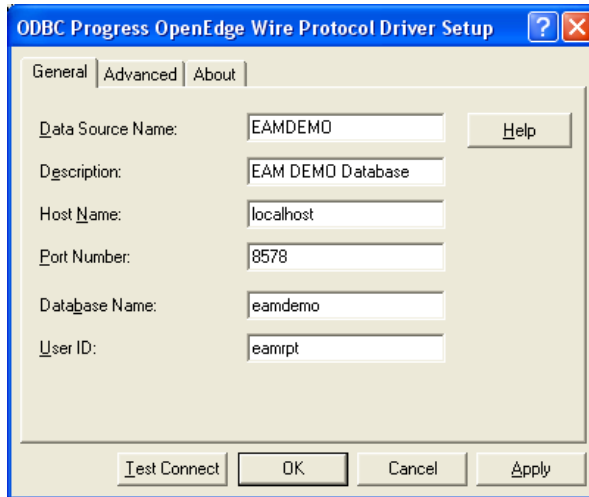
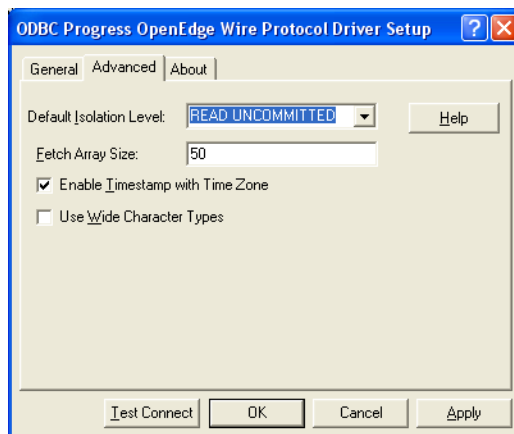


Fig. 1.220
ODBC Setup
Window

- 4 Enter the Host Name and Port Number.
Note This information was added during the database install. You can find it in the
root:\windows\system32\drivers\etc\services file.
- 5 Click Apply.
- 6 Click the Advanced Tab.
- 7 Select the READ UNCOMMITTED option.

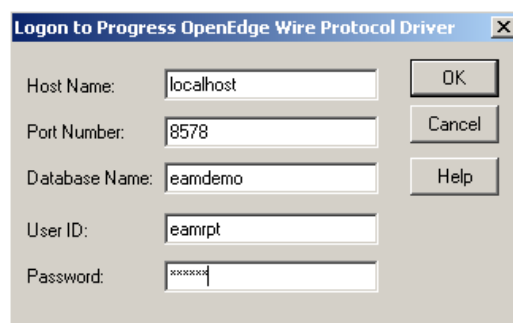
Fig. 1.221
ODBC Advanced
Setup Window



- 8 Click Apply.
- 9 Click Test Connect to verify the connection.

Note The password is eamrpt. To make a connection, verify that the database server is running. For more information, see “Starting and Stopping the Server” on page 58.

Fig. 1.222
Progress Logon



- 10 Click OK to accept updates and return to the list.
- 11 Repeat steps for the remaining databases: EAMPROD, EAMSTDEMO, and EAMSTPROD.
- 12 Navigate to Start|All Programs|QAD Enterprise Asset Management Server|Shut down Production.

- 13 Navigate to Start|All Programs|QAD Enterprise Asset Management Server|Start Compile.
- 14 Click OK in the error message.

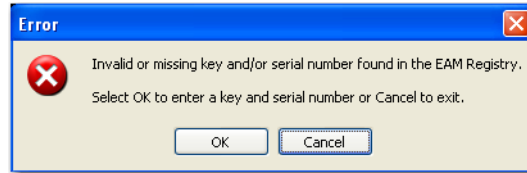


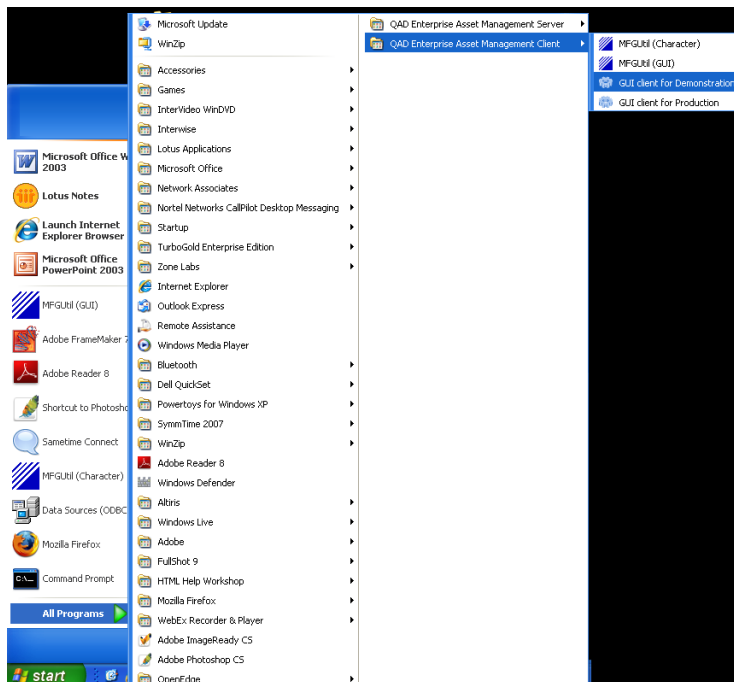
Fig. 1.223
OK to Enter a
Serial Number

Registering EAM and Actuate

QAD Fulfillment provides serial and keycode numbers, along with the media. They are printed on a piece of paper as well as on the CD label.

- 1 Run the GUI Client for Demonstration.

Fig. 1.224
GUI Client for
Demonstration



- 2 Click OK to enter a serial number.
- 3 Enter both sets of serial numbers and keys, one for EAM and one for Actuate.
- 4 Configure Actuate reporting in both the Production and Demonstration sets by logging into EAM using sysadm for User ID and <blank> for Password.



Fig. 1.225
GUI Client for
Demonstration

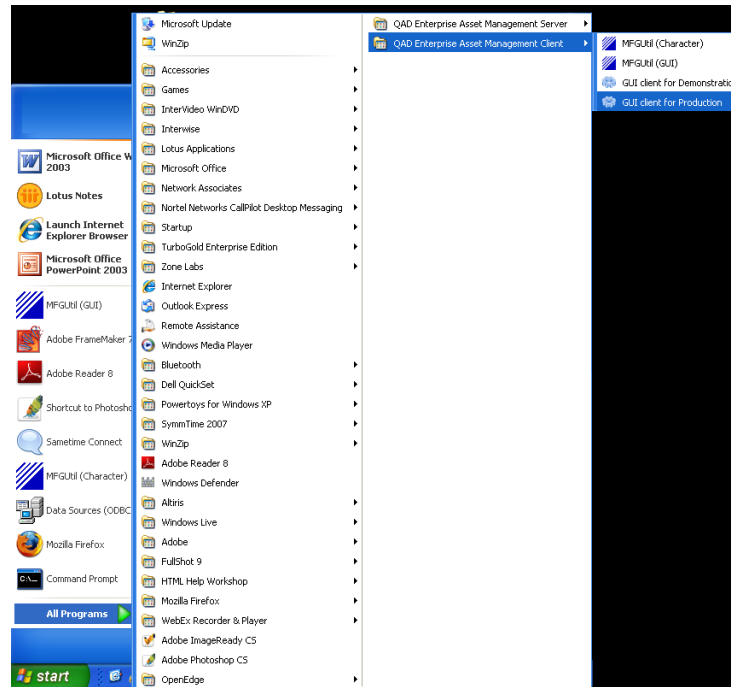
Note You may see the SQL editor login window below. Since QAD EAM automatically logs users into SQL, so it is safe to Cancel out of this window.



Fig. 1.226
EAM Login

5 Repeat steps 2-3 for GUI Client for Production.

Fig. 1.227
GUI Client for
Production



Configuring Actuate Reporting

- 1 Navigate to System Admin|System Control Maintenance|Registry module. Click the book or select Modules|Registry.

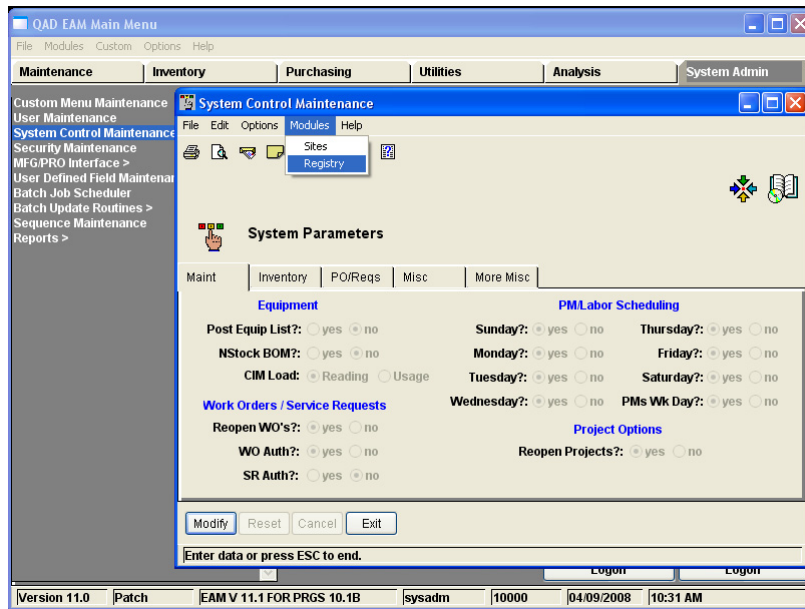
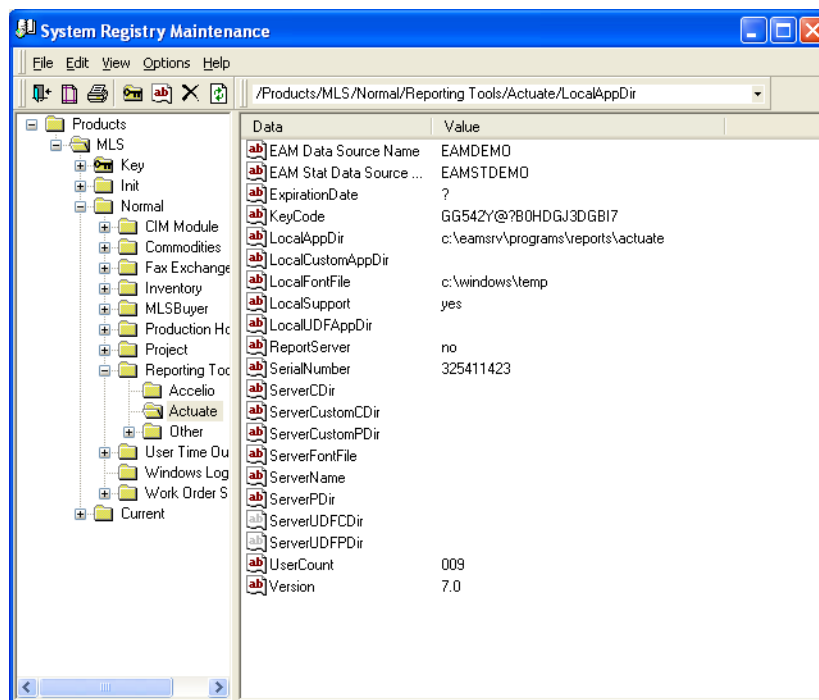


Fig. 1.228
EAM System
Control
Maintenance
Registry

2 Navigate to Products | EAM | Normal | Reporting Tools | Actuate.

Fig. 1.229
EAM Registry
Reporting Entries



3 Configure the following entries:

- a EAM Data Source Name: *Enter the name of the ODBC System DSN here.* Examples: EAMDEMO, EAMPROD.
- b EAM Stat Data Source Name: *Enter the name of the ODBC System DSN here.* Examples: EAMSTDEMO, EAMSTPROD.
- c KeyCode: Stores the Actuate Key Code as entered during the key setup process.
- d LocalAppDir: Directory where the Actuate reports are located, by default they are installed in the EAM Server's programs/reports/actuate directory. (Required only if LocalSupport is set to Yes.)
- e LocalCustomAppDir: Stores the location (if used) of the custom EAM reports.

- f** LocalFontFile: A temporary folder visible to the clients.
- g** LocalSupport: Yes if running Actuate Active X reports (default) or No if using an Actuate report server.
- h** LocalUDFAppDir: stores the location of customized EAM reports.
- i** ReportServer: No if running Actuate Active X reports (default) or Yes if using an Actuate report server.
- j** Serial Number: Stores the Actuate serial number used during the key setup procedure.
- k** ServerCDir: Area where standard EAM reports are stored on the Report Server. Enter this data only if you are using the Actuate report server.
- l** ServerCustomCDir: Area where custom EAM reports are stored on Report Server. Enter this data only if you are using the Actuate report server.
- m** ServerCustomPDir: Area where customized EAM reports are stored on the Report Server. Enter this data only if you are using the Actuate report server.
- n** ServerFontFile: Temporary directory for font files (typically c:\temp). Enter this data only if you are using the Actuate report server.
- o** ServerName: Hostname or IP address of Report Server. Enter this data only if you are using the Actuate report server.
- p** ServerPDir: Full pathname for Report Server. Enter this data only if you are using the Actuate report server.
- q** ServerUDFCDir: Location of subfolder for custom reports in Report Server. Enter this data only if you are using the Actuate report server.
- r** ServerUDFPDir: Location of subfolder for customized reports in Report Server. Enter this data only if you are using the Actuate report server.

- s** User Count: Stores the number of users licensed to report with Actuate Active X.
 - t** Version: Stores the Actuate version number.
- 4** Open a command window.

Accessing the EAM v11.1.2 Demo

Users are not assigned passwords. Any user ID can log in to EAM. There are also some generic user IDs available: MFG, Demo, and Student. Anyone using the System Administration user ID gains full access to the system.

The QAD eB2.1 interface is set to No. To integrate with a QAD eB2.1 Database, change the setting to Yes in System Administration - System Control Maintenance - Misc tabbed page.

This EAM demo database integrates with QAD eB2.1 SP3+ demo database.

Creating the EAM Application Shortcut

The client installation procedure creates the EAM application shortcut. If there is no icon, the following steps create the shortcut. The shortcut to the Progress client application (prowin32.exe) is installed with Progress; EAM starts when you include specific parameters in the shortcut. The default shortcut line is:

```
<progress install>\bin\prowin32.exe
```

For EAM the following parameters are added:

- basekey.** Identifies the registry basekey to use for environment information. For EAM this value is "INI".
- ininame.** Identifies the ini file containing the system configuration information. This file is supplied with the EAM installation and should be present on the client machine.
- pf.** identifies the Progress parameter file to be used for the client session. For EAM this will contain the connection strings for EAM, EAM Stat and QAD eB2.1 databases.
- p.** Identifies the compiled Progress code to be run when the client session is initialized. For EAM this will be mlsmenu.r, which is contained within the \programs folder of an EAM Client install.

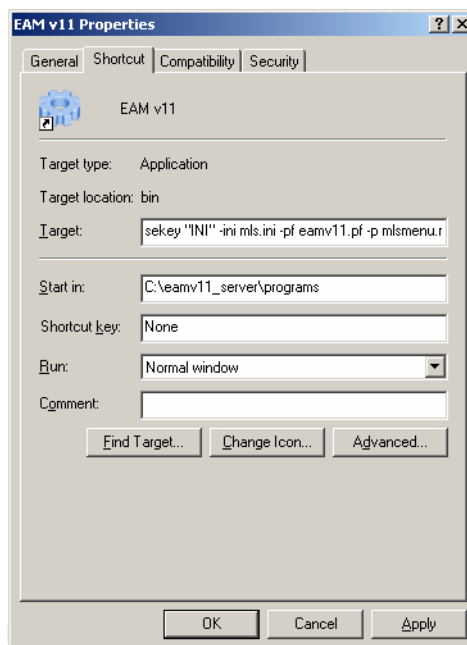
-rr. This parameter is sometimes used as a means of controlling access to the Progress Procedure Editor. If the Progress components, 4GL Development, Query Results or OE Studio have been installed then this parameter is used to stop the client session from entering the Procedure Editor. For system administrators, their icons should have this parameter removed to allow Procedures editor access.

A typical EAM shortcut is:

```
C:\dlc\bin\prowin32.exe -basekey"INI" -ininame
eam.ini
-pf C:\eamv11_client\programs\eamv11.pf -p
mlsmenu.r -rr
```

This line makes up the “TARGET” line of the EAM shortcut. The “Start In” is the area where the ini file, pf file and compiled code are saved. There are occasions where these files are saved separately; if so, fully qualify the ininame, -pf and -p parameters with the path name + file name to make sure Progress uses the correct files.

Fig. 1.230
EAM Properties



The previous example has a “Start In” of “C:\eamv11_server\programs”. Since all the files are kept in the same location, none of the file names for the parameters need to be qualified.

Activating EAM Licenses

EAM, EAM Barcode, and Actuate require a license. The licensing Utility is in the \programs folder of an EAM Client install.

Creating a Key Codes Shortcut

Create the EAM Licenses Shortcut by copying an existing EAM application shortcut. The Licenses Shortcut uses the same connection parameters as the EAM Application shortcut, with the exception of the –p parameter. The –p parameter for the Licenses shortcut is:

```
Keysetup/w-keysetup.r
```

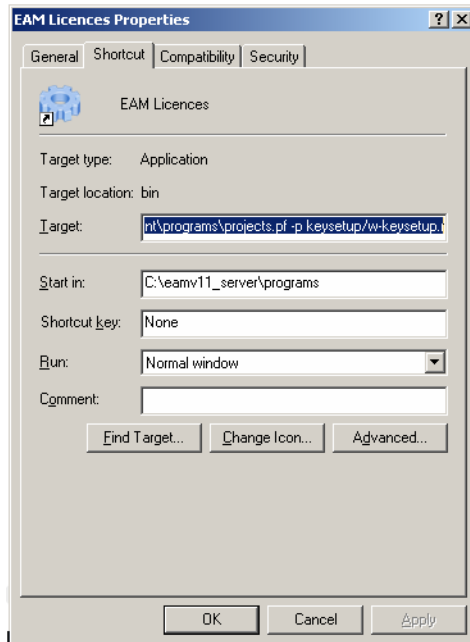


Fig. 1.231
PL Keysetup

EAM prompts you for EAM and Actuate keys.

Fig. 1.232
EAM Key Code
Setup



Changing Icons

Changing the icons for the EAM shortcuts is part of the EAM Client install. EAM offers two options:

Fig. 1.233
EAM Client Icons



The EAM application uses the GEAR.ICO, and the License / Key Code Utility uses the KeyCd.ico. To change icons for a shortcut, right-click the icons to show the properties. Select “Change Icon” and browse to the correct location for the new icons.

Creating an EAM Utility Shortcut

QAD support will supply an EAM .r file for a hot fix or to run a customized utility. To run the utility, copy the .r file to the area where the EAM compiled code is stored, usually, the \programs \folder.

Once the code is in place, make a copy of a standard EAM Shortcut and change the -p parameter to reference the name of the utility. After running the utility, delete the shortcut.

Configuring the PF File

In addition to the connection parameters used on the Shortcut, make the connections to the correct databases in the Progress Parameter File (PF). The -pf parameter in the Shortcut references this.

```
-db eamprod -ld mls -H -S -pls -q -s 512 -nb 255 -noincrwarn
-db eamstprod -ld mlsstat -H -S
-db mfgprod -ld qaddb -H -S -nb 130
-ling "english"
-d mdy
-q
-pls
-T C:\eamv11_client\programs\temp
```

Where:

- db.** Reference each client connection to a Progress database with a -db line. The connections are:
 - **-db:** Database name
 - **-ld:** Logical database name, for EAM connections the -ld's are eam and eamstat and qaddb for the QAD eB2.1.
 - **-S:** Service name or port number; if the service name is to be used then the entry in the \windows\drivers\etc file must match the service entry from the database server.
 - **-H:** Host name or IP Address
 - **-N:** Identifies the network protocol as TCP
- nb.** Nested blocks for the client session, EAM take the server defaults.
- ling.** The language for the Progress session, defaults to "English"

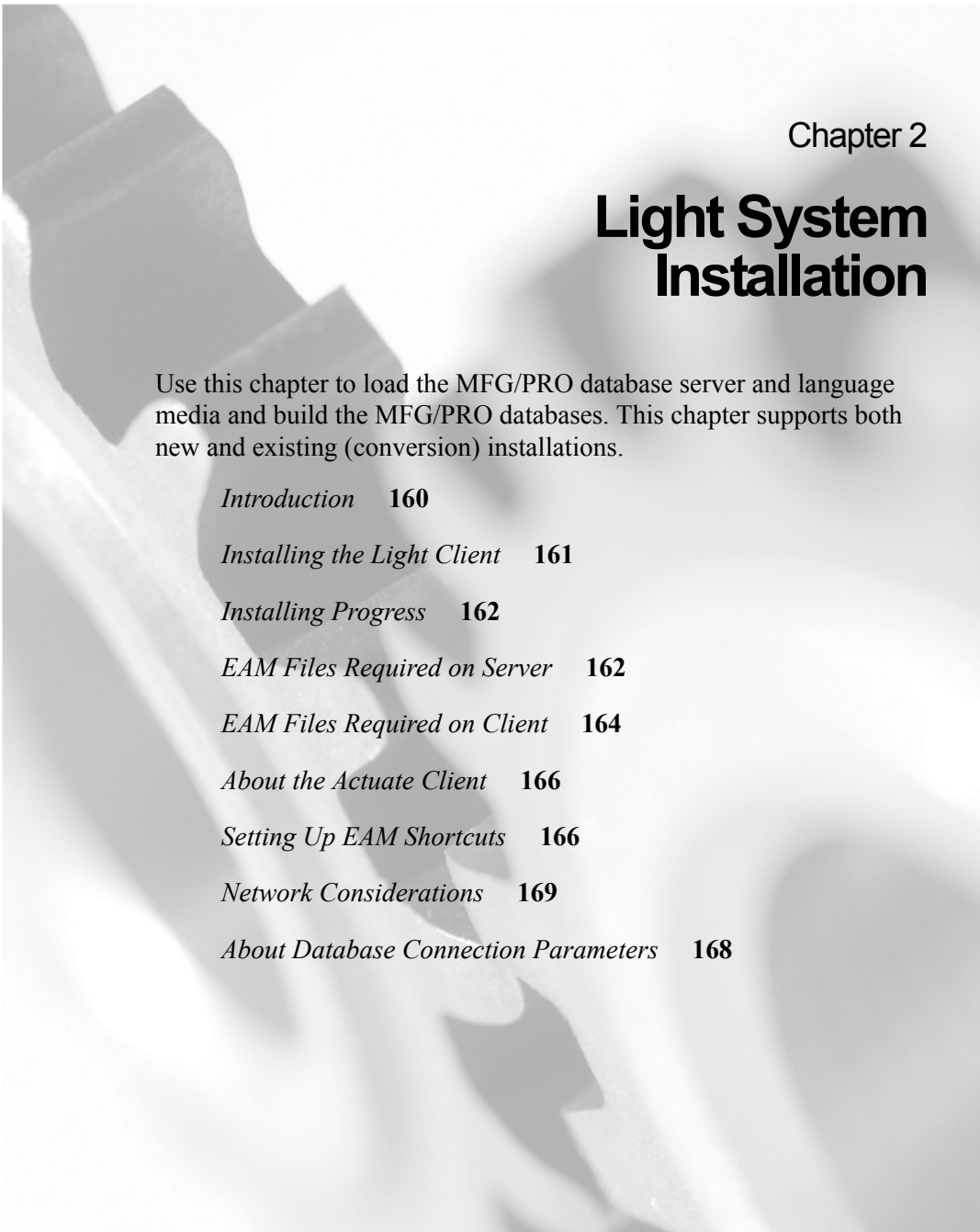
- d.** Date format for the client session, for US ‘mdy’, for Europe/Asia ‘dmy’
- q.** Used to control the OS cache on the client, default for EAM is to leave blank, EAM takes the server default.
- pls.** Used to store .r code in local temporary folder.
- T.** The temp directory used for sort files, etc during the client session. If the \programs\temp directory is to be used, ensure that a directory with the correct read/write permissions is created in the \programs\ folder.

A Progress 10.1B installation requires an additional switch **-s 512**. This allows the client to use a greater stack size to enable newer Progress 10 features.

If a connection to a database (such as QAD eB2.1) is to be removed the line can either be deleted or commented out. A commented line in the PF is shown below:

```
-db eamprod -ld eam -S eamprod -H qad001 -N TCP
-db eamstat -ld eamstat -S eamstat_pr -H qad001 -N TCP
# -db mfgprod -ld qaddb -S mfgprod -H qad001 -N TCP
```

In this instance, the QAD eB2.1 database is not connected when the EAM Client starts.



Chapter 2

Light System Installation

Use this chapter to load the MFG/PRO database server and language media and build the MFG/PRO databases. This chapter supports both new and existing (conversion) installations.

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Introduction

This chapter provides an overview of the components required to complete a Light Client install for EAM v11.1.2. There are two components of EAM v11.1.2: the programs (client) and the databases (server). The client and server communicate with each other via a network connection, enabling you to configure EAM v11.1.2 in different ways.

Prerequisites

Complete the following steps before starting a Light Client install:

- 1 Create and start the EAM v11.1.2 server.
- 2 Verify that you can locate and access the EAM server files.
- 3 Verify Progress availability for each Light Client installation.

Progress Requirements

- EAM v11.1.2 is supported only on Progress 10.1B.
- EAM v11.1.2 is not supported on Progress 10.1A x
- For an EAM Light Client install, the minimum Progress install is Client Networking for Windows.

Supported Versions of QAD eB2.1

If you run QAD eB2.1 SP3+, then EAM v11.1.2 (running with Progress 10.1B) is the only supported version.

Minimum System Requirements

Following are the recommended minimum configurations for an EAM v11.1.2 Light Client install:

- Windows Client for EAM v11.1.2
- Windows 2000, XP
- Progress OE 10.1B
- Pentium class processor

- 128 MB Ram
- Light client: 20 MB disk space
- VGA monitor or better

Server and Client Connections

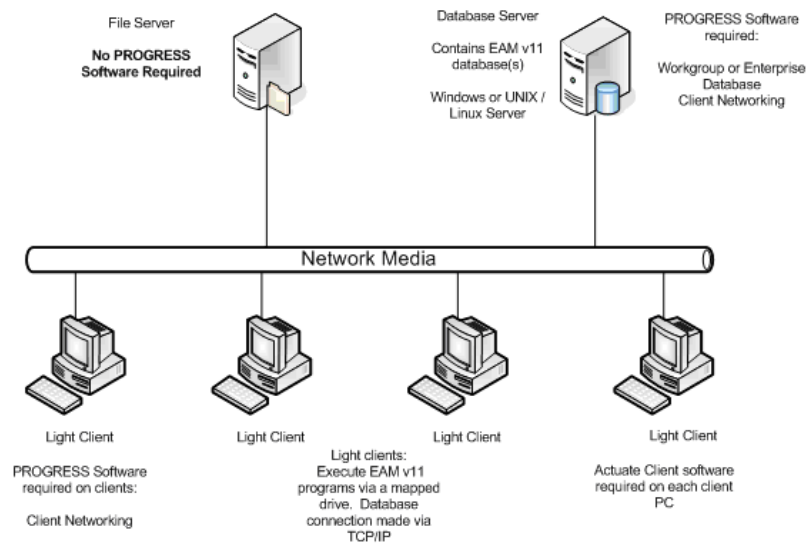
The EAM application is based on Client / Server technology. The EAM database and client must be able to communicate with each other, but do not have to reside on the same physical server.

You can install the database for EAM v11.1.2 in either a Windows or a UNIX (including LINUX) environment. However, you must install the client in a Windows environment.

Installing the Light Client

A light client install requires a subset of the EAM v11.1.2 files to be installed on each client that will access the EAM v11.1.2 database. The main set of program files and services are installed on a file server. The client references these files via a network share or network path connection. Progress Client Networking is required as a minimum for a light client install.

Fig. 2.1
QAD EAM Install
with File Server



Use this client install model to install the main EAM v11.1.2 files centrally. Any patches, upgrades or customizations occur in one location; however, there is still an install of some EAM v11.1.2 files at each client location.

Installing Progress

For each EAM v11.1.2 Light Client, Progress 10.1B Client Networking is required. If the EAM .ini and .pf files are to be stored off the Client PC, then it is important to keep the install of Progress consistent across all the installs. The .ini file references paths for the Progress install. The %DLC% environment variable must be in the same location for each client, due to connection issues.

EAM Files Required on Server

The Light Client accesses EAM v11.1.2 compiled code and help files from a file server. The file server code does not require a Progress install; however, the files must be accessible from either the fully qualified Universal Naming Convention (UNC) link or a shared drive. A common

method is to share out the folder to which the files have been copied and then reference this in the Light Client; or, map a drive on the Light Client machine to the area on the File server that contains the EAM files and then reference the mapped drive.

Working Directory

Copy the compiled code for EAM v11.1.2 from the EAM v11.1.2 Install CD `root cd dir\server\common\programs` directory. Copy the files to the File Server, commonly an area called `eamsrv\programs`. The structure looks like:

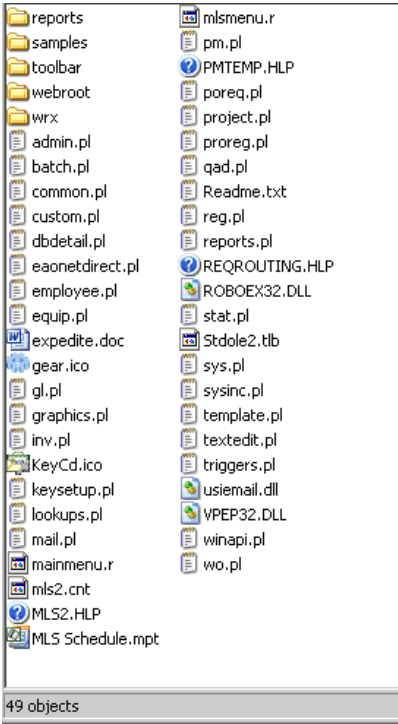


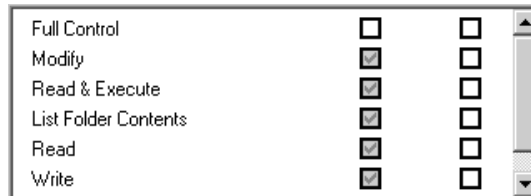
Fig. 2.2
Contents of File
Server 'eamsrv'
Directory

EAM reports reside in `\reports\Actuate`.

It is also good practice to move the `eam.ini` and all the EAM PF files to the file server for ease of maintenance. Place the files in the same working directory as the EAM v11.1.2 compiled code, `root cd dir\server\common\programs`, or another directory setup and the files contained there.

Minimum directory security requirements are shown below:

Fig. 2.3
Security



EAM Files Required on Client

The following files are required on any EAM v11.1.2 Light Client installation:

- OCX Files
 - ActBar.ocx
 - actbar2.ocx
 - CSCAL32.OCX
 - CSSPIN32.OCX
 - PVCombo.ocx
 - PVOutlookBar.ocx
 - pvpict.ocx
 - pvText.ocx
 - pvtreex.ocx
 - pvxplore2.ocx
 - pvxplore7.ocx
 - SftTreeX.ocx
 - VCF15.ocx

- VPECTRL3.OCX
- Vsocx32.ocx
- Vsocx6.ocx
- Bat Files
 - fontinst.bat
 - odbc.bat
 - postinst.bat
 - register.bat
- Registry Files
 - font.reg
 - odbc.reg
- Font File
 - C39ont.ttf
- Icon File
 - mfgpro.ico

All these files are located on the EAM v11.1.2 install CD in the *root cd dir\client* directory. Copy the files to the target client machine and install them in the appropriate install directory. Typically, it is called *eamcli*.

Once installed, run the batch file, *postinst.bat*. This file calls the *fontinst.bat*, *odbc.bat* and *register.bat* files to ensure the OCX files and ODBC settings are correctly configured.

Following is an example of a Light Client folder structure to *c:\eamcli\programs*:

Fig. 2.4
Contents

Name	Size	Type	Date Modified
Actuate_Client		File Folder	9/4/2007 12:27 PM
actbar2.ocx	643 KB	ActiveX Control	5/18/2007 2:07 PM
ActBar.ocx	270 KB	ActiveX Control	5/18/2007 2:07 PM
CSCAL32.OCX	94 KB	ActiveX Control	5/18/2007 2:07 PM
CSSPIN32.OCX	78 KB	ActiveX Control	5/18/2007 2:07 PM
PVCombo.ocx	478 KB	ActiveX Control	5/18/2007 2:07 PM
PVOutlookBar.ocx	198 KB	ActiveX Control	5/18/2007 2:07 PM
pv pict.ocx	75 KB	ActiveX Control	5/18/2007 2:08 PM
pvText.ocx	58 KB	ActiveX Control	5/18/2007 2:08 PM
pvtreex.ocx	274 KB	ActiveX Control	5/18/2007 2:08 PM
pvxplore2.ocx	240 KB	ActiveX Control	5/18/2007 2:08 PM
pvxplore7.ocx	402 KB	ActiveX Control	5/18/2007 2:08 PM
SftTreeX.ocx	577 KB	ActiveX Control	5/18/2007 2:07 PM
VCF15.ocx	965 KB	ActiveX Control	5/18/2007 2:07 PM
VPECTRL3.OCX	308 KB	ActiveX Control	5/18/2007 2:07 PM
Vsocx6.ocx	239 KB	ActiveX Control	5/18/2007 2:07 PM
Vsocx32.ocx	148 KB	ActiveX Control	5/18/2007 2:07 PM
mfgpro.ico	5 KB	Icon	5/18/2007 2:07 PM
fontinst.bat	1 KB	MS-DOS Batch File	5/15/2007 1:48 PM
odbc.bat	1 KB	MS-DOS Batch File	7/10/2007 9:12 AM
postinst.bat	1 KB	MS-DOS Batch File	7/19/2007 1:58 PM
register.bat	1 KB	MS-DOS Batch File	8/22/2007 3:15 PM
font.reg	1 KB	Registration Entries	4/26/2007 1:59 PM
odbc.reg	3 KB	Registration Entries	7/10/2007 9:43 AM
C39ont.ttf	9 KB	TrueType Font file	4/26/2007 1:53 PM

About the Actuate Client

For each EAM v11.1.2 Light Client, install the Actuate Client. Actuate is the reporting tool used within the EAM application. Each client requires it to allow reports to be run from screen to printer. Setup.exe is found in the Actuate_Client folder.

Setting Up EAM Shortcuts

You can set up shortcuts for EAM v11.1.2 manually. EAM v11.1.2 runs by calling the Progress windows client (prowin32.exe). A series of parameters are then passed to Progress to use the EAM v11.1.2 application code.

The EAM v11.1.2 shortcut is a call to prowin32.exe:

```
<progress install>\bin\prowin32.exe
```

-basekey - Identifies the registry basekey to use for environment information. For EAM v11.1.2 this value is INI.

-ininame - Identifies the ini file containing the system configuration information, this file is supplied with the EAM install and should be present on the client machine.

-pf - Identifies the Progress parameter file to be used for the client session. For EAM this will contain the connection strings for the EAM, EAM Stat and QAD eB2.1 databases.

-p - Identifies the compiled Progress code to be run when the client session is initialized. For EAM this is mlsmenu.r, which is installed on the File Server in the \eamsrv\programs directory.

-rr - This parameter is sometimes used as a means of controlling access to the Progress Procedure Editor. If the Progress components, 4GL, ProVision or OE Studio have been installed then this parameter is used to stop the client session from entering the Procedure Editor. For system administrators, their icons should have this parameter removed to allow Procedure editor access.

A typical EAM shortcut for an EAM v11.1.2 Light Client referencing a file server with the compiled code would look like:

```
C:\dlc\bin\prowin32.exe -basekey "INI" -ininame
\\server1\eamsrv\programs\eam.ini -pf
\\server1\eamsrv\programs\eamv11.pf -p
\\server1\eamsrv\programs\mlsmenu.r
```

This method full qualifies the path to the -pf, -ini and -p files. An alternative solution is to use the Start In parameter to reference the File Server containing the EAM v11.1.2 compiled code, as shown below.

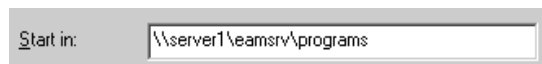


Fig. 2.5
Start In Parameter

You can now remove the fully qualified references in the Target parameter of the shortcut.

About Database Connection Parameters

Use a pf file to set up database parameters. The pf file contains database connection parameters, specifically for connection to the EAM v11.1.2 database. If during installation, the System Administrator indicates that QAD eB2.1 is to be used, the pf file will also contain connection parameters for the QAD eB2.1 database.

A separate pf file is created for each EAM v11.1.2 database set (ie, demo, production, training). To identify which pf is being referenced, right-click on any EAM v11.1.2 icon and select Properties from the menu that appears. Somewhere in the Target: field, you'll see -pf followed by a path and file name. That's the file EAM v11.1.2 uses to determine which database(s) need to be connected, where to find the database(s), the network type, what format to use for dates, etc.

Fig. 2.6
EAM Connection
(pf) File

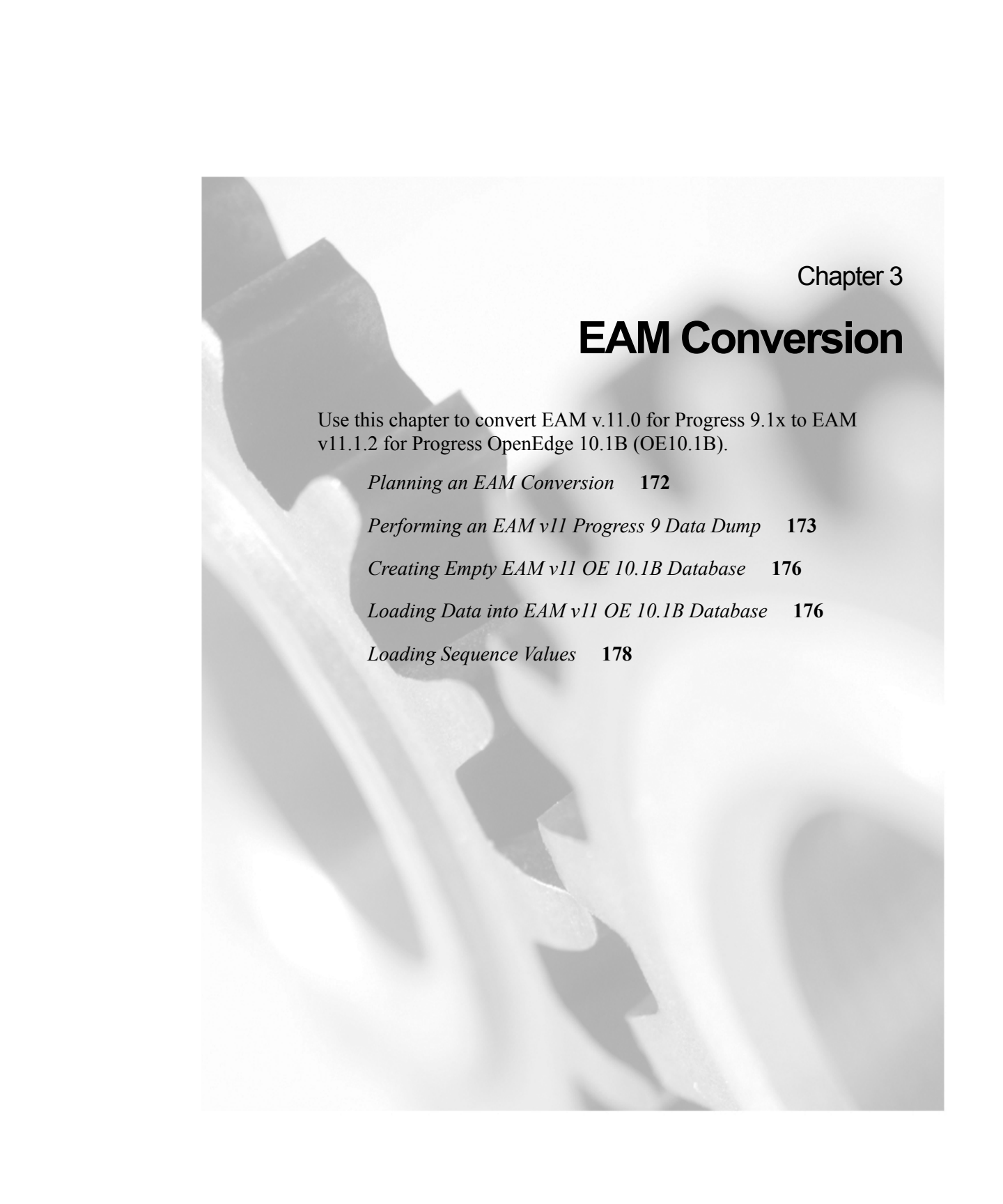
```
-db eamprod -ld eam -S eam_prod -H hpsvr1 -N TCP
-db eamstat -ld eam_stat -S eam_stat -H hpsvr1 -N TCP
-db qadddb -ld qadddb -S qad_prod -H hpsvr1 -N TCP
-nb 130
-lng "English"
-d mdy
-q
-pls
-T C:\eamcli\programs\temp
-s 512
```

Add the -S parameter manually to all databases in StartProduction.bat. This is required for connection.

The -T parameter in the PF file needs to have the \temp directory created in the c:\eamcli\programs directory before an EAM v11.1.2 session can be created. The \temp folder collects all the temporary Progress files used in the EAM v11.1.2 sessions. Check it periodically and delete old files, if necessary.

Network Considerations

EAM v11.1.2 Light Clients connect to the database via TCP/IP networking. The greater the bandwidth, the better the performance for EAM v11.1.2.

The background of the page features a grayscale image of several interlocking gears. The gears are of different sizes and are positioned in a way that creates a sense of depth and mechanical complexity. The lighting is soft, highlighting the teeth of the gears and creating subtle shadows.

Chapter 3

EAM Conversion

Use this chapter to convert EAM v.11.0 for Progress 9.1x to EAM v11.1.2 for Progress OpenEdge 10.1B (OE10.1B).

Planning an EAM Conversion **172**

Performing an EAM v11 Progress 9 Data Dump **173**

Creating Empty EAM v11 OE 10.1B Database **176**

Loading Data into EAM v11 OE 10.1B Database **176**

Loading Sequence Values **178**

Planning an EAM Conversion

The upgrade procedures in this guide apply to existing EAM v11 installs. If you run an earlier version of EAM, upgrade to v.11, then to v11.1.2.

Recommended Disk Space

QAD recommends allocating space for the equivalent of two to three full EAM databases—the main EAM application database. If you have a 40 GB source version production database, ensure a minimum of 80 to 120 GB before starting the conversion.

Memory Requirements

Memory is crucial to the performance of conversion programs. QAD recommends a minimum of 2 GB on the conversion machine.

Preparing Source Database

The steps in this section determine the duration and effectiveness of your database conversion. Each task aims to reduce conversion time, save crucial data, or provide validation references of your pre-conversion environment.

General Preparations

Use this section to perform preliminary data preparation in your source version environment.

- 1 Log out all users from EAM.
- 2 Close out all applications.
- 3 Send all reporting and shipping information that requires processing to QAD EAM.
- 4 Stop all processes in EAM, such as Batch Job Scheduler.
- 5 Back up a copy of your database.

About Database Schemas

Except for report generation, there are no functional changes between EAM versions 11 and 11.1.2. The database schema remains the same, and the source code is recompiled against OE 10.1B.

Performing an EAM v11 Progress 9 Data Dump

The first stage in the upgrade is to dump the data from the existing EAM v11 Progress 9.1x database. Do this via a Procedure Editor session.

- 1 Access Data Administration.
- 2 Choose Admin|Dump Data and Definitions|Table Contents (.d file) from the menu.

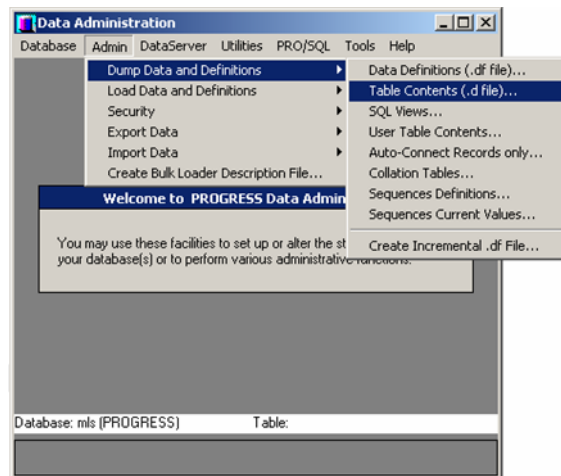
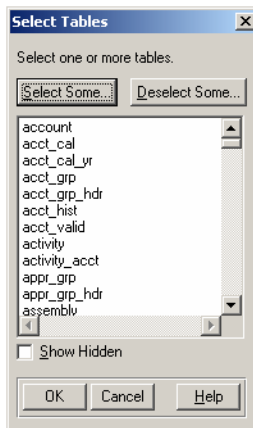


Fig. 3.1
Data
Administration

All tables must be dumped.

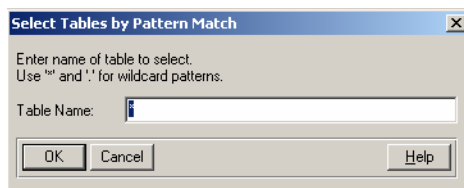
- 3 Click Select. The Select Tables window displays.

Fig. 3.2
Select Tables



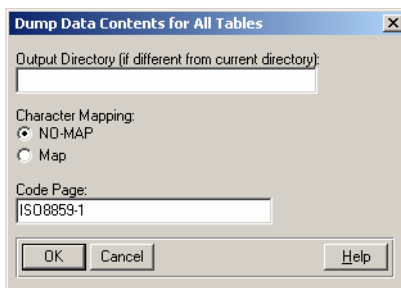
- 4 Select Some to enter a wild card for the selection.

Fig. 3.3
Select Tables by
Pattern Match



- 5 Click OK. The Select Table window displays with all tables selected.
- 6 Click OK to continue. The Dump Data Contents window displays.

Fig. 3.4
Dump Data Content
for All Tables



- 7 Enter the dump data path and click OK. A pop-up window displays the status.

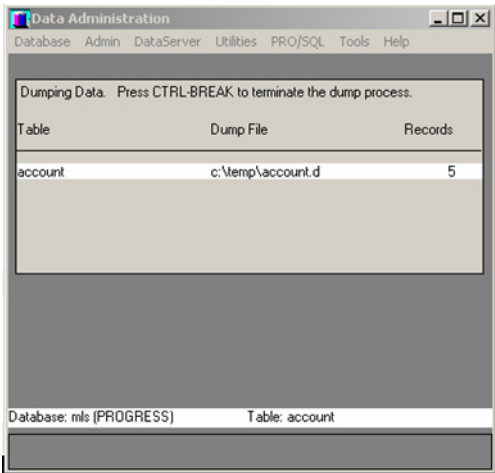


Fig. 3.5
Data
Administration

8 Click OK when the process is complete.

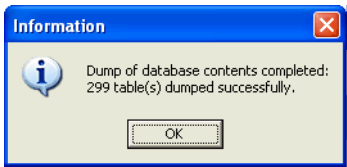


Fig. 3.6
Information Prompt

9 The final step is to dump the sequence values; this is performed from Data Administration|Dump Data and Definitions|Sequences Current Values.

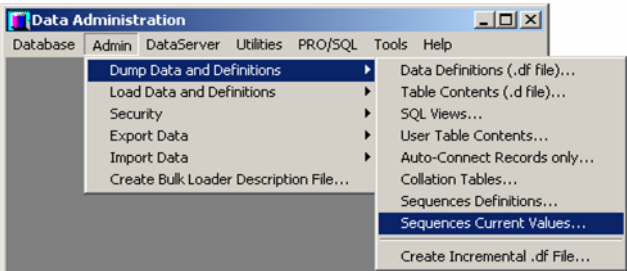


Fig. 3.7
Data
Administration

10 The file generated is _seqvals.d

Repeat this process for the EAM Stat database. Copy the data into a new folder to separate the sequences for the two databases.

Creating Empty EAM v11 OE 10.1B Database

Use the standard EAM v11.1.2 for OE 10.1B installation procedure to create the empty EAM v11.1.2 databases. Use the Progress Procopy function to create databases from the EAM v11.1.2 empty database set (such as eamprod, eamstprod, etc).

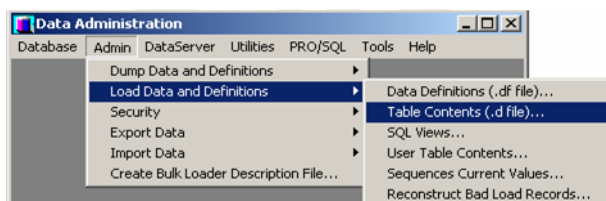
Do not load the EAM-supplied Production data for these databases. Leave them empty to load data from EAM v11.0.

Loading Data into EAM v11 OE 10.1B Database

Once the new database sets are created, start the data load. Depending on the amount of data contained in the Progress 9 database, this process can take some time. Each record is loaded into the EAM v11.1.2 OE 10.1B database and the index for the table is rebuilt.

To load the data use Data Administration|Load Data and Definitions|Table Contents (.d file).

Fig. 3.8
Data
Administration
(continued)



11 The Select Tables window displays.

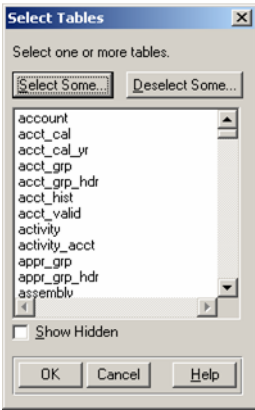


Fig. 3.9
Select Tables

12 Select Some to enter a wild card for the selection.

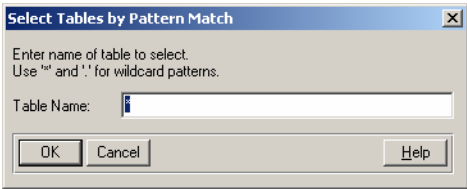


Fig. 3.10
Select Tables by
Pattern Match

13 Click OK. The Select Table window displays with all tables selected.

14 Click OK to continue. The Dump Data Contents window displays.

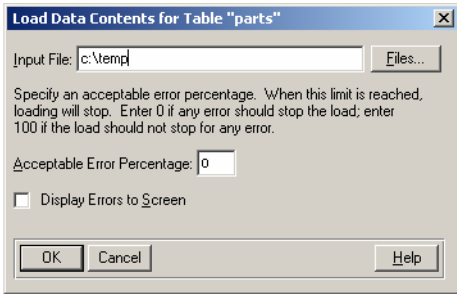


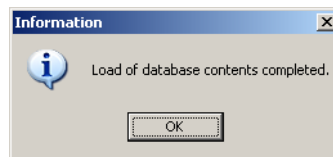
Fig. 3.11
Dump Data Content
for All Tables

15 Enter the location on the .d files to be loaded.

Note Progress allows the load to be monitored for errors. For a load of this type, leave the Acceptable Error Percentage to **0** when doing a complete dump and load. If there are any errors, then the load stops. To ignore errors, set Acceptable Error Percentage to **100**. Click OK. A pop-up screen displays the dump process.

- 16 Click OK when the process is complete.

Fig. 3.12
Information Prompt



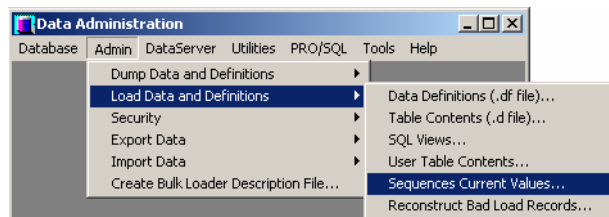
Any files that had errors are marked Progress error (.e) files in the folder where the .d files are.

Loading Sequence Values

Once the data has been loaded, once again load the sequence values.

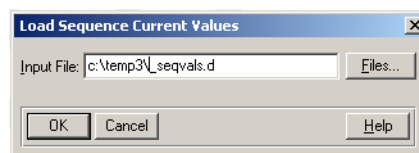
- 1 Navigate to Data Administration|Load Data and Definitions|Sequence Current Values.

Fig. 3.13
Data
Administration



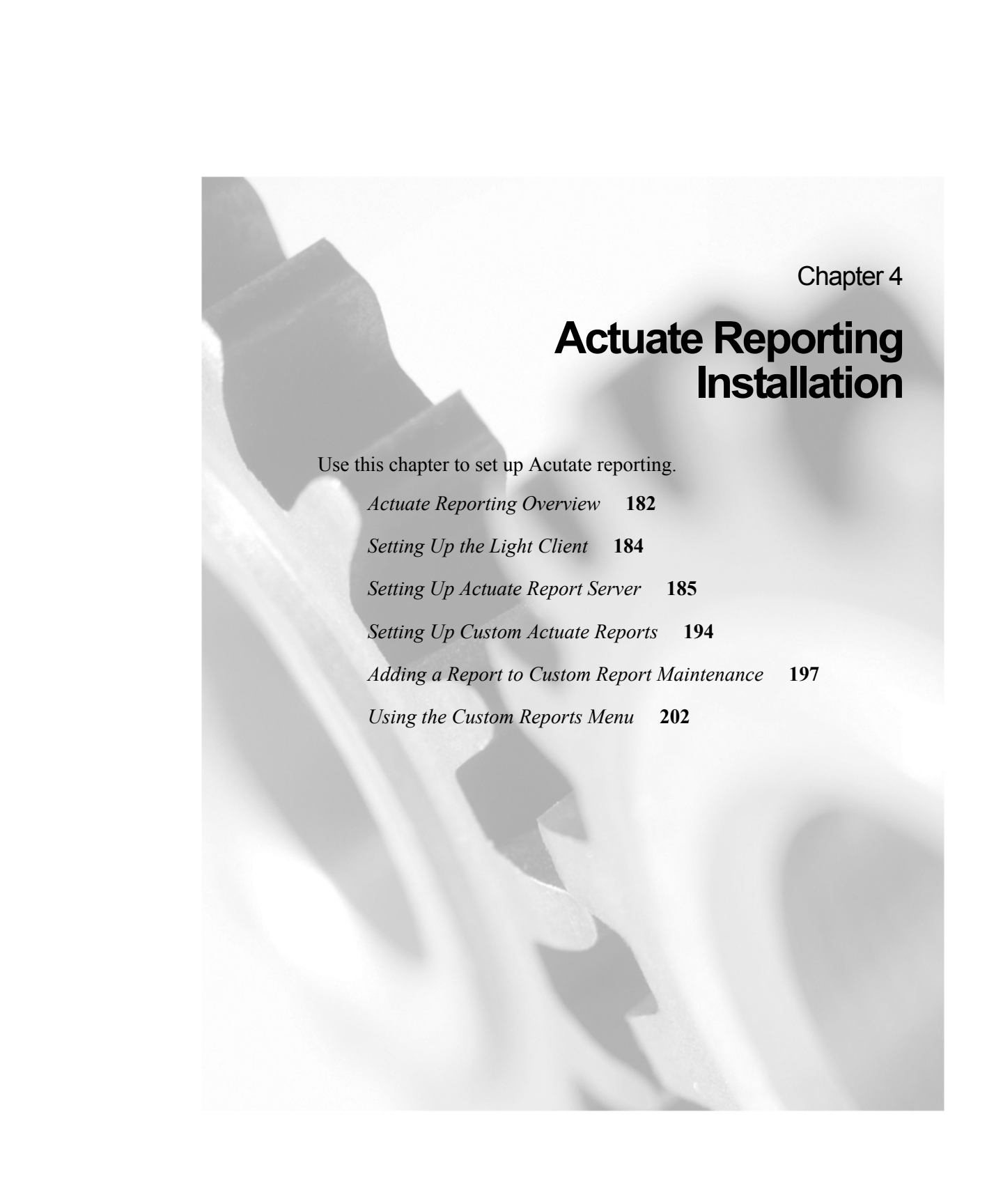
The Load Sequence Current Values window displays.

Fig. 3.14
Load Sequence
Current Values



- 2 Enter the location of the sequence file and click OK.
- 3 Repeat this process for the EAM Stat database.

After data is loaded, start the EAM v11 Progress 10.1B databases using standard EAM start up scripts.



Chapter 4

Actuate Reporting Installation

Use this chapter to set up Actuate reporting.

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Setting Up Custom Actuate Reports **194**

Adding a Report to Custom Report Maintenance **197**

Using the Custom Reports Menu **202**

Actuate Reporting Overview

This document provides instructions on critical steps to configure the Actuate Reporting Server for use with EAM. You can find more detailed instructions related to Actuate Report Server version 7 on the CD, labeled “EAM Advanced Report Server” under a folder called “manuals.”

After you install EAM and Actuate, the system prompts you to register them.

Fig. 4.1
EAM Key Setup

- 1 Click the Key Setup icon in your EAM group.



- 2 After installing/upgrading EAM, enter the EAM Key Code for Actuate.

Fig. 4.2
EAM Key Entry

MLS Key Code Setup

Please Enter QAD EAM Keys

Product Key

Serial Number:

Key Code:

Product:

Version:

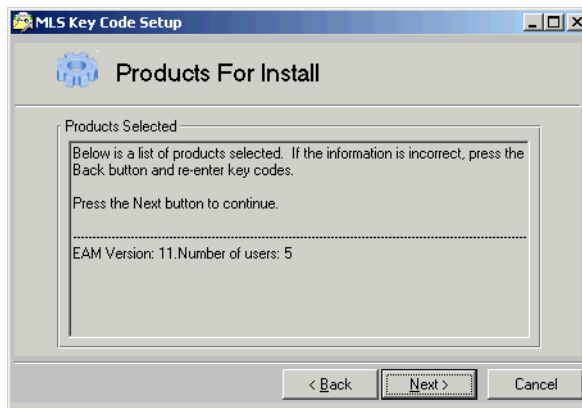
Number of Users: Expiration Date:

< Back Next > Cancel

After the program files have been copied during the EAM client setup, the system prompts you to install the Key Setup icon. Only the system administrator needs this icon. You only need to set it up once. When you click Yes at the prompt, the system adds the icon to your EAM program group. You must enter a key code to register EAM and the add-on products, such as EAM Barcode and Actuate.. The key code identifies the number of licensed users. If you do not enter a key code, EAM allows access to only one user.

- 3** Click the Key Setup icon in your EAM program group.
- 4** From the Welcome to EAM Key Setup screen, click Next.
- 5** Enter the EAM serial number and key code from the Customer Status Report in your EAM product package.
- 6** For Actuate, repeat the process, entering the Actuate Key Code and Serial Number. Click Accept.
- 7** Click Next to save the information. The product name, version number, and number of users are displayed. Click Accept.
- 8** Click Next to go to Products For Install screen, to confirm the list of product installed and the validated number of users.
- 9** Click Next to Finish and commit the changes.

Fig. 4.3
Products for Install



Note On the “Customer Status Report,” the Key Code and Serial Number for Actuate is labeled as follows, “EAM Advanced Report Server Serial No” and “EAM Advanced Report Server Key Code”. The code labeled “License Key” is NOT to be used at this point. It is used during the process of installing the Actuate ReportServer.

When entering the control keys for Actuate products, use all UPPER CASE. If the control keys are entered in lower case, Actuate will fail.

The EAM key code is required for both new installations and upgrades from previous versions of EAM.

Setting Up the Light Client

Setting Up Environment Variables

Set Up for Windows Client PC

- 1 Right-click on My Computer.
- 2 Select Properties, then the Environment tab.

On Windows 2000/XP, environment variables are located on the Advanced tab.

3 Add the following System environment variables:

```
DLC = Progress Install Dir
PROMSGS=Progress Install Dir\promsgs
```

Important You may need to reboot the system before these changes take effect.

Setting Up Windows 95/98 Client PC

Add the following environment variables to the autoexec.bat file.

```
DLC = Progress Install Dir
PROMSGS=Progress Install Dir\promsgs
```

Important Reboot the system for the changes to take effect.

Setting Up Actuate Report Server

Perform a fresh installation of Actuate Report Server. Do not try to upgrade an existing installation.

Warning You are responsible for protecting any custom reports you may have placed in the encyclopedia. Before initiating the drag and drop process (described below), save your custom reports in a safe place, somewhere other than in the EAM directory.

Before starting the server setup, follow Actuate's Install Documentation to install Actuate Report Server.

Cautions

- Actuate Report Server does not support Windows NT Terminal Server 4.0 SP6 server installation.
- Progress Client Networking must be installed on the same machine as Actuate Report Server.

Setting up the EAM User for the Actuate Server

Set up the EAM User in Actuate. Perform these steps in the Actuate Management Console.

- 1 Login to the Actuate Management Console as Administrator.
- 2 Click the Users option on the right panel.
- 3 Click the Create User option.
- 4 Enter Name: EAMAdmin, Description: User to Run EAM Reports, and Password: leave this blank.
- 5 Click the Roles tab. Select both the Administrator and the Operator roles.
- 6 Click the Privilege Template tab. Select both All and Operator. Select all the checkbox options.
- 7 Click Apply to save the EAMAdmin user.

Note You choose the Jobs and Printing options. None of those options are required for Actuate reports to work for EAM.

Adding Actuate Reports through the Report Encyclopedia

- 1 Run the Actuate End User Desktop or Actuate Viewer.
- 2 Navigate to File|Navigator to open the Login box.
- 3 Login as Administrator. This user must have permission to add to the encyclopedia.

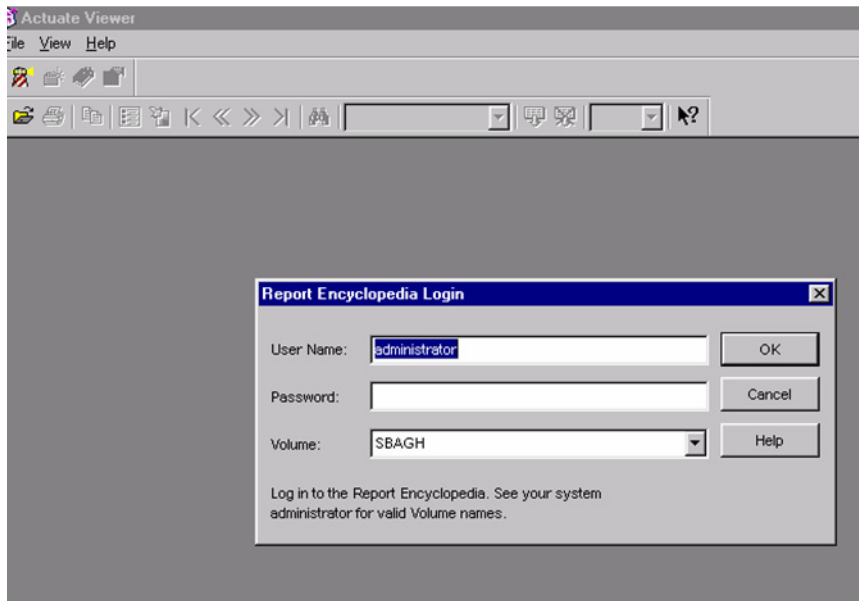
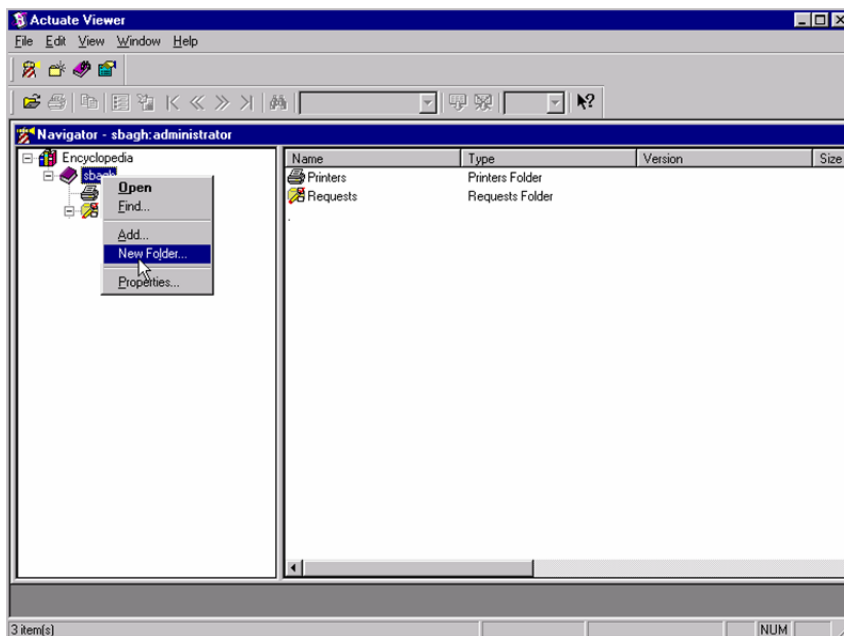


Fig. 4.4
Report
Encyclopedia
Login

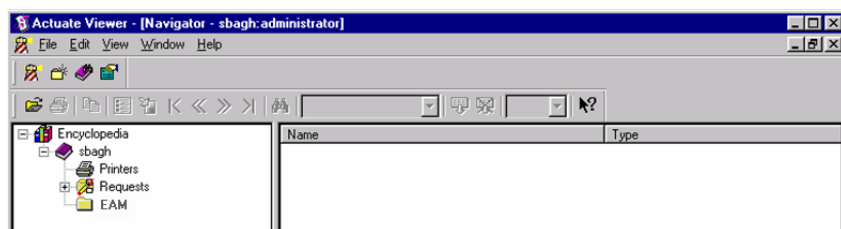
- 4 Select the Volume. This is the name of the computer where the encyclopedia resides.
- 5 Click on the name of the PC (volume) one level under the Encyclopedia. Then right click to access the option New Folder. See the following illustration:

Fig. 4.5
New Folder Option



6 Name the new folder EAM.

Fig. 4.6
EAM Folder



- 7** Access the Actuate reports from the EAM installation CD.
 - a** Access the Root Directory on the CD.
 - b** Open the Actuate folder.
 - c** Open the Actuate.zip.
 - d** Extract the contents of the zip file to a directory on your PC.

- 8 Use Windows Explorer to display the contents of the directory where you deposited the report files.
- 9 Select all the report files.
- 10 Drag and Drop them into the Encyclopedia. Note: This process could take 15 minutes or more.

After the files finish copying, the EAM directory will look like this:

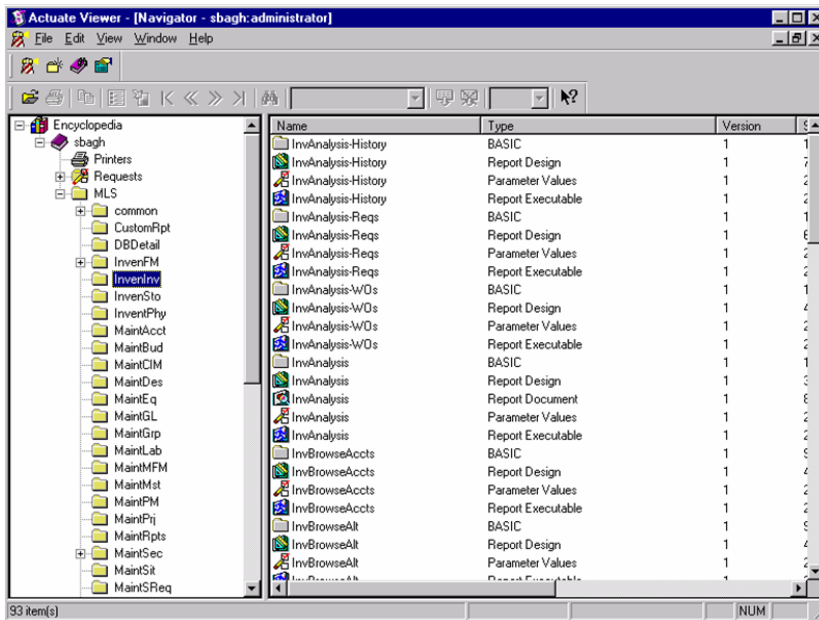


Fig. 4.7
EAM Directory

Checking the System Properties

- 1 Select the Environment tab.
- 2 For the Variable “Path”, check the value and make sure the Progress Install Directory and Progress Install bin directory are in the path. For example:

```
c:\DLC; c:\DLC\BIN
```

Reboot may be necessary for the variables to activate.

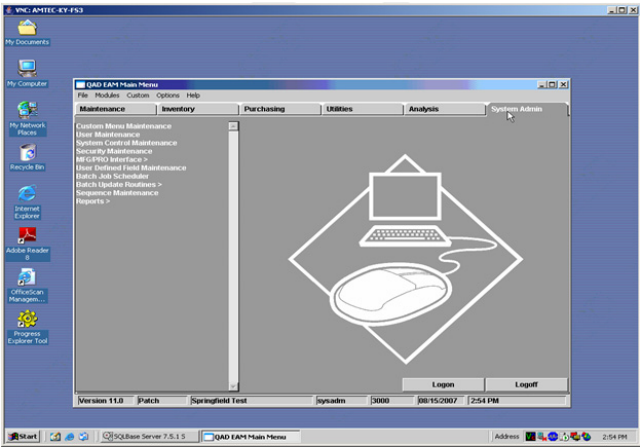
If you need to add custom reports back into the EAM folders, navigate to Adding Custom Reports.

Configuring v11.1.2 Reports with OE 10.1B

This section describes how to configure EAM v11.1.2 Reports with OpenEdge 10.1B.

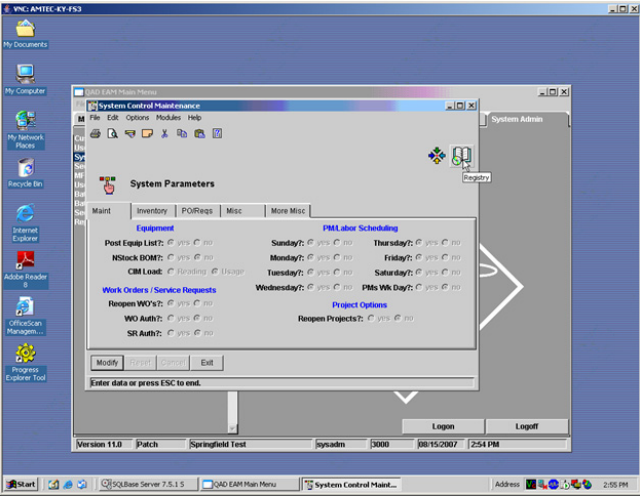
- 1 Navigate to the System Control Maintenance tab.

Fig. 4.8
QAD EAM Main Menu



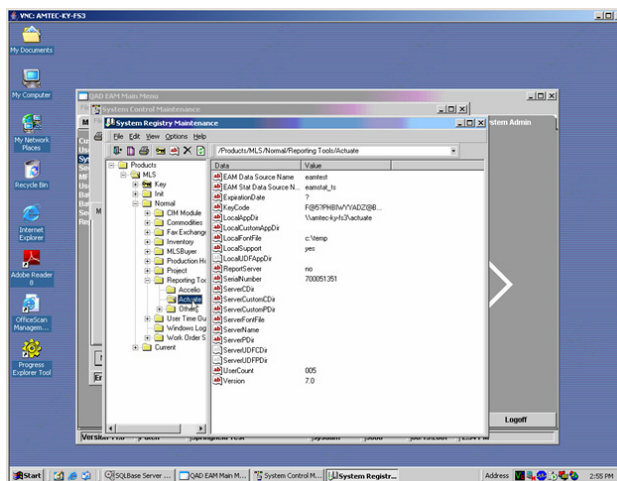
- 2 Click the Registry icon.

Fig. 4.9
System Parameters



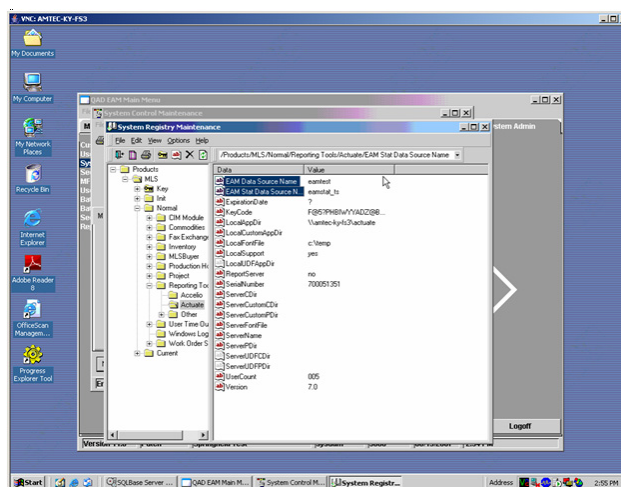
3 Open Products|EAM|Normal|Reporting Tools|Actuate.

Fig. 4.10
System Control
Maintenance



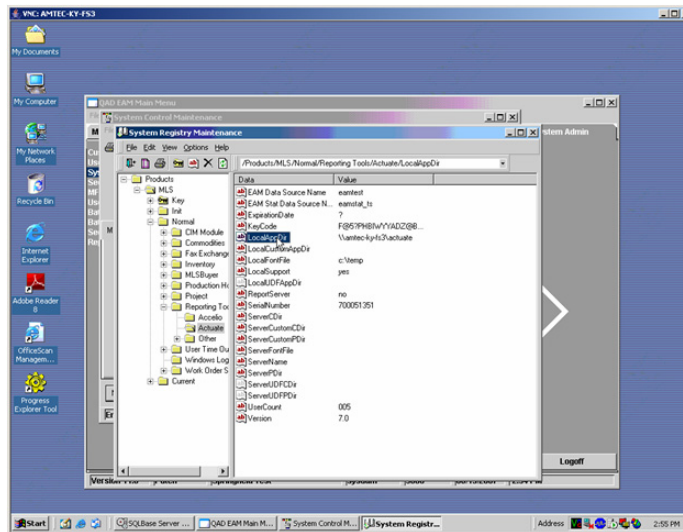
4 Enter the name for the ODBC drivers for EAM Database set (EAM + EAM Stat Database ODBC drivers needs to be created).

Fig. 4.11
System Registry
Maintenance



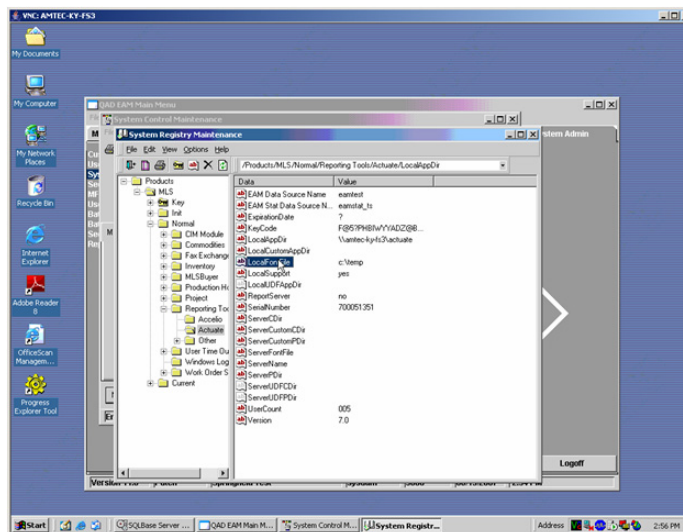
5 Enter the location of the EAM Reports (if the reports are to be accessed by clients from the network, enter the full UNC path).

Fig. 4.12
Entering the EAM
Report Path



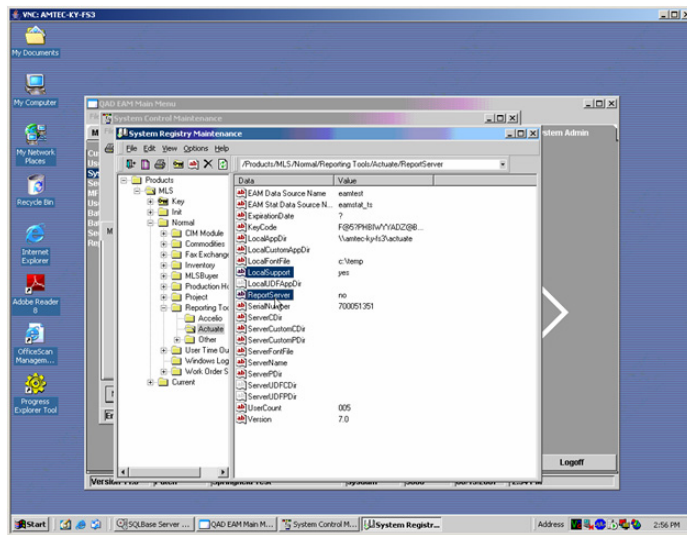
- 6 Enter a value such as `c:\temp` for the LocalFontFile value. Actuate creates temporary font files when creating reports.

Fig. 4.13
LocalFontFile
Entry



- 7 Enter NO for Report Server.

Fig. 4.14 LocalSupport and ReportServer Settings



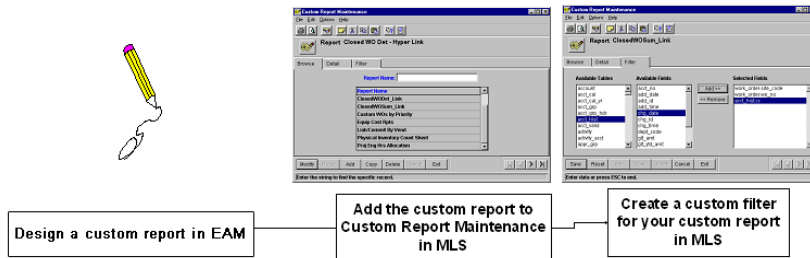
Setting Up Custom Actuate Reports

Follow three steps to add a custom Actuate report in EAM: create the report, add the custom report to EAM, and create a custom filter.

There is also a one-time set up of the EAM System Registry. See “Adding a Report to Custom Report Maintenance” on page 197.

When this process is complete, any reports added in Custom Report Maintenance are accessible under Custom Reports menu found under Analysis|Reports.

Fig. 4.15
Custom Reports



This document does not include information on designing custom Actuate reports. If you are interested in learning how to design your own reports, please contact QAD for information on our training classes.

About the Custom Report Registry Node

You must specify a separate directory for unique custom reports that you have added to Custom Report Maintenance. Do not save those reports in the same location as standard EAM reports. This prevents any damage to your custom reports during upgrades.

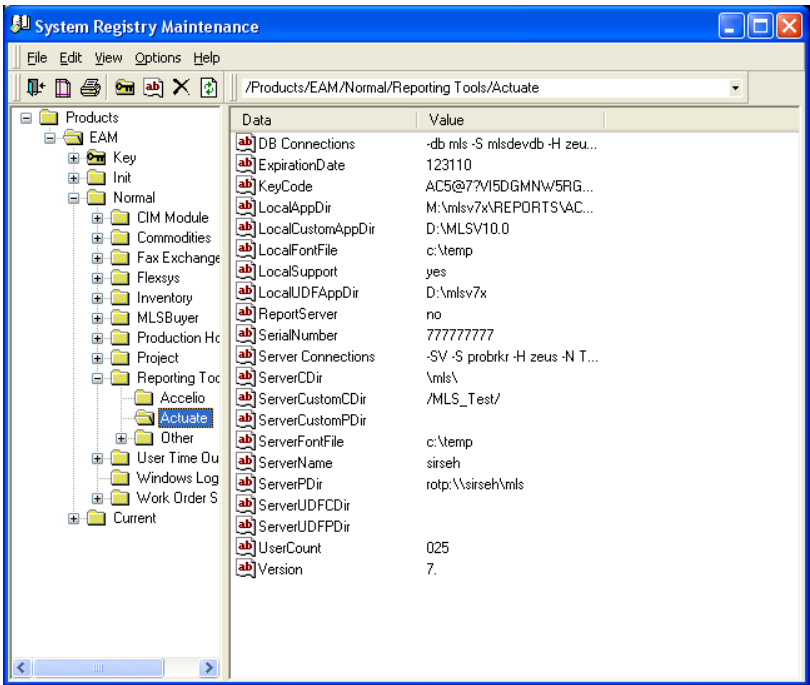


Fig. 4.16
Example Of
Default System
Registry with
Active X reporting

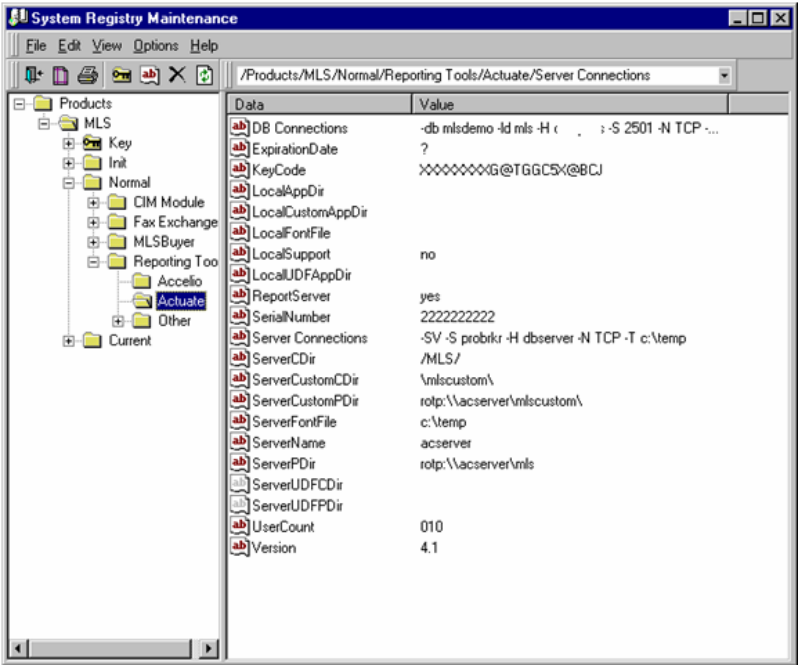
Specify custom report locations in the EAM System Registry under Products | EAM | Normal | Reporting Tools | Actuate.

Note The special directory for custom reports should not be a sub-directory of the directory for standard EAM reports.

Configuring Custom Reports on an Actuate Server

- 1 In QAD EAM, navigate to System Admin|System Control Maintenance|System Registry Maintenance.
 - 2 Use the nested folder structure in the left-hand panel to access Products|EAM|Normal|Reporting Tools|Actuate.
- You must make two additional entries in System Registry Maintenance: ServerCustomPDir and ServerCustomCDir.

Fig. 4.17
System Registry
Set Up for Custom
Reports



ServerCustomPDir. Enter the path to the directory containing the custom EAM reports. The custom reports should NOT be placed in a directory under the standard EAM installation path. If you put custom reports under the standard EAM installation path, there is a high probability that they will be destroyed/deleted during an upgrade. A valid path might be:

\\Host name\eamcustom\

ServerCustomCDir. The last piece of the path specified under *ServerCustomPDir*. This is the last subdirectory to the custom reports. For example:

```
if ServerCustomPDir = rotp:\\host name of the Actuate
server\eamcustom\ then ServerCustomCDir = \eamcustom\
```

Configuring Custom ActiveX Reports

Follow the instructions for “Configuring Custom Reports on an Actuate Server” on page 196. Instead of using *ServerCustomPDir* and *ServerCustomCDir*, use *CustomLocalAppDir*.

Adding a Report to Custom Report Maintenance

There are three ways to customize reports in QAD EAM:

- 1 Modify default QAD EAM reports in Analysis|Reports, and run them from Custom Report Maintenance.
- 2 Modify default QAD EAM reports from other locations, and run them as replacement reports.
- 3 Build unique custom reports that you design with the Actuate Reporting Designer tool, and run them from Custom Report Maintenance.

To modify and run default QAD EAM reports that reside in Analysis|Reports, use the Custom Report Maintenance menu. Use Custom Report Maintenance to run *only* modified EAM reports stored in Analysis|Reports.

To modify default EAM reports that do not reside in Analysis|Reports, you must run them as Replacement reports. For example, you modify the default EAM Purchase Order, Requisition, Work Order, and Quote reports. Run these as Replacement reports.

To design, create and save unique custom EAM reports, use the Actuate Reporting Designer tool. Use Custom Report Maintenance in EAM to add them. Custom Report Maintenance allows you to add new reports without replacing existing reports. You can define a filter for the new report.

Using Custom Report Maintenance

- 1 Navigate to System Admin | Reports | Custom Report Maintenance.
- 2 Click Add.
- 3 For the Report Name, enter the name of the customized report. This field is only accessible during Add.
- 4 The Software field automatically defaults to Actuate and can not be updated.
- 5 For Report Library, enter the Actuate file name without the extension.
- 6 For No of Copies, enter how many copies should print when this report is run.
- 7 Paper Size defaults to Letter on Add and is validated to allow A4, B5, Letter, or Legal. You cannot leave Paper Size blank.

Defining a Custom Report Filter

Define a custom report filter for each custom report you add to Custom Report Maintenance. This filter allows reporting on subsets of available data. You define which fields can be used in the Report Filter.

To view the fields that are available for a particular table, click the table name under Available Tables. Once the table name is highlighted, the fields on that table are displayed under Available Fields.

To add any field(s) to the filter, highlight the field name and then click Add >>. The field name moves under Selected Fields. You can use Remove >> to move back any unwanted fields.

When a user adds a field to the Selected Fields list, EAM adds the field in the following format: *table.field*.

Once you have selected all the fields that should appear on the filter for this report, click Save.

Filter Example

A custom report that deals with consignment parts could construct a filter in the following way:

- 1 Add the Date and Vendor filters on the Filter tab.
 - a Click Modify on the Filter tab.
 - b Choose parts_status from Available Tables and date from Available Fields.

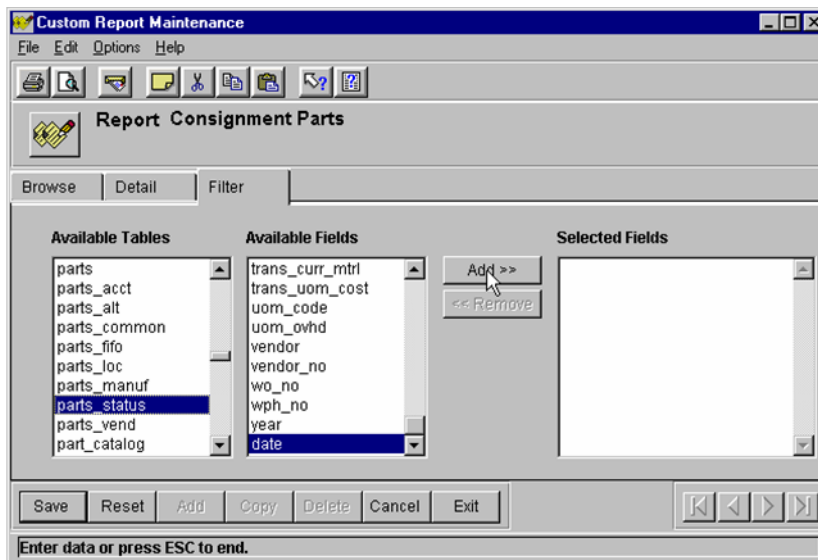
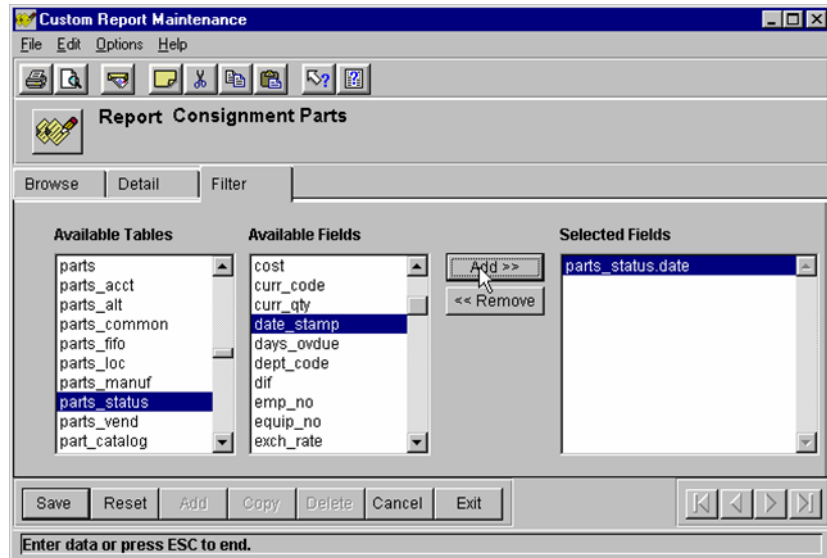


Fig. 4.18
Add parts_status
and Date

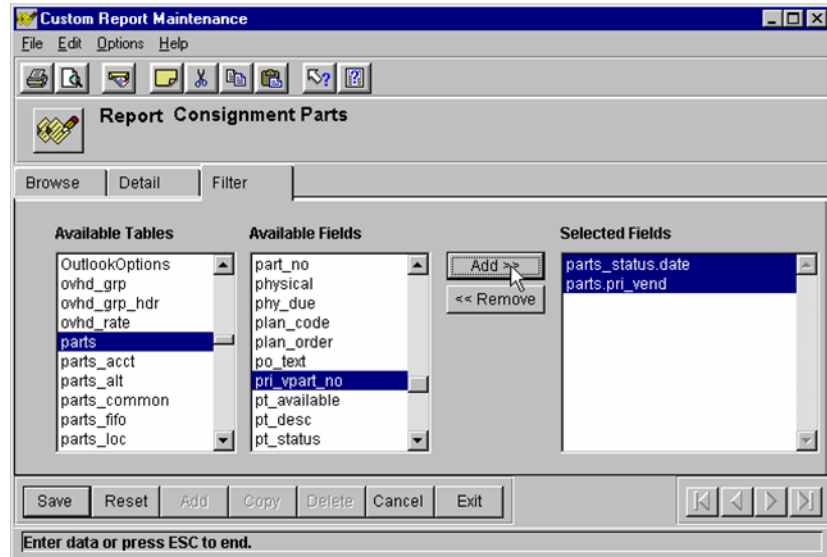
- c Click Add.
- 2 Repeat the process with parts_status and date_stamp.

Fig. 4.19
Add parts_status
and date_stamp



- 3 Select parts table from Available Tables and pri_vend from Available Fields and click Add.

Fig. 4.20
Add pri_vend



- 4 After these fields display in the Selected Fields field, click Save to save those changes.

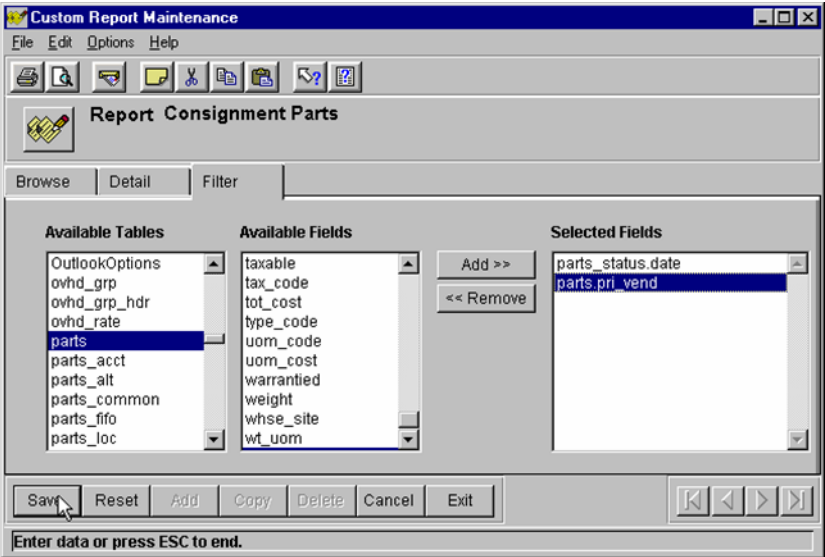
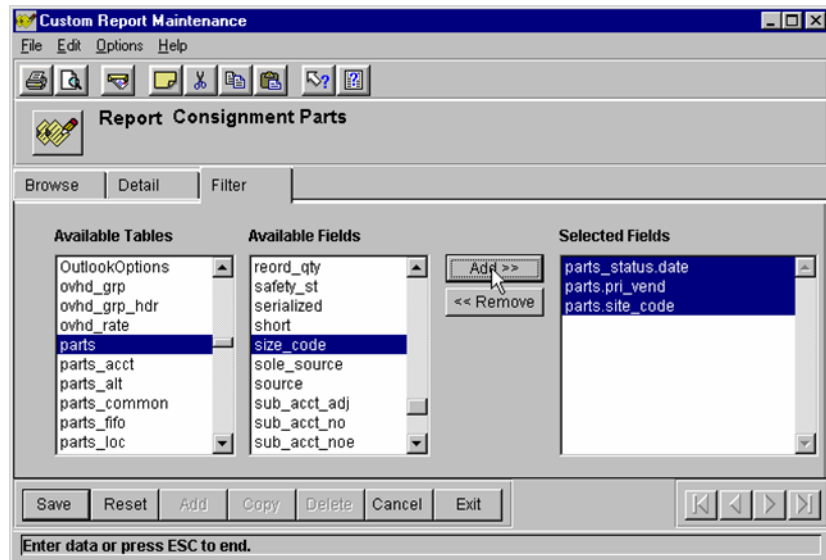


Fig. 4.21
Save

Note If the report is designed to work for one site or multiple sites, you may choose to add site_code to the filter. Add site_code from the parts table.

Fig. 4.22
Add site_code



Using the Custom Reports Menu

Under Analysis/Reports, there is a menu labeled Custom Reports. Under it, EAM displays a list of all the custom Actuate reports that have been added under Custom Report Maintenance.

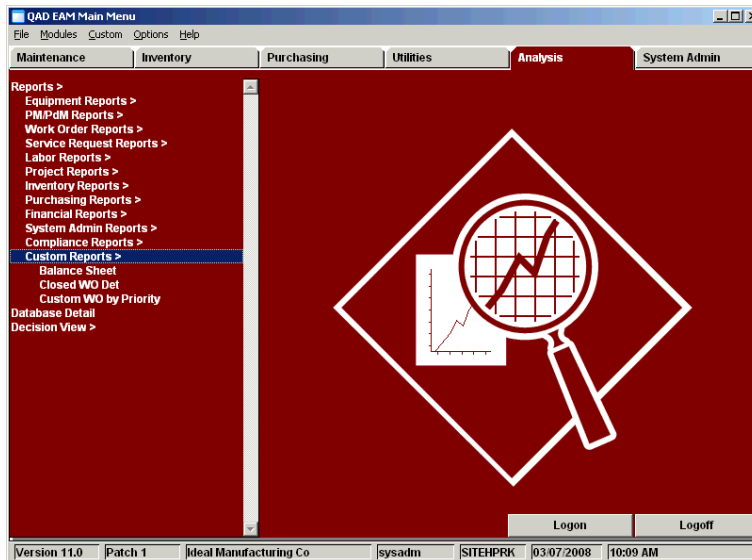


Fig. 4.23
Custom Reports
Menu

When you select a report from this list, EAM displays the standard Report Filter, with the combo-boxes filled according to the report's filter field list.

Note The filter field list is set up and associated to the custom report under Custom Report Maintenance.

The following filter matches the custom filter example provided in Defining a Custom Report Filter.

Fig. 4.24
Custom Report
Filter

The screenshot shows the 'Report Filter' dialog box. At the top, there are 'Options' and 'Help' menus. Below them is a toolbar with icons for saving, opening, clearing, and applying filters. The main area is divided into two columns: 'Field Name' and 'Search Criteria'. The 'Field Name' column has a dropdown menu with 'Date' and 'Pri Vendor' visible. The 'Search Criteria' column has a dropdown menu with '10000' selected. Below the columns are three sets of 'AND' and 'OR' radio buttons. At the bottom are buttons for 'Save As', 'Open Filter', 'Clear', 'OK', and 'Cancel'.

If the field site_code is included in the filter field list, then the Site combo-box displays the sites to which the user has access. If it is not, the Site combo-box is disabled and shows N/A.

Fig. 4.25
Finer Filtering

The screenshot shows the 'Report Filter' dialog box with more detailed filtering. The 'Field Name' column has a dropdown menu with 'Add Date' and 'Pri Vendor' visible. The 'Search Criteria' column has a dropdown menu with '08/20/2002' selected. Below the columns are three sets of 'AND' and 'OR' radio buttons. At the bottom are buttons for 'Save As', 'Open Filter', 'Clear', 'OK', and 'Cancel'.

When the user clicks OK on the Report Filter screen, the system prompts to select Screen or Printer. The report then runs based on the filter selected.

Verify that the filter fields (set up under Custom Report Maintenance) match the report's tables.

