



ER/Studio® 7.5 Installation Guide

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Table of Contents

Installing ER/Studio.	4
Installation Checklist	4
System Requirements.	5
Planning for Repository Database Growth	6
Installing ER/Studio.	7
Install ER/Studio Client	7
Notes on the ER/Studio Installer	7
Licensing ER/Studio	8
Licensing ER/Studio	8
License ER/Studio Workstation.	8
License ER/Studio Client.	9
Installing ER/Studio Repository.	10
Preparing to Install the Repository	10
Create a DB2 UDB User Temporary Tablespace	10
Tune the IBM DB2 UDB Database	11
Install ER/Studio Repository	11
Notes on the ER/Studio Repository Installer	12
Connect to the Repository	12
Upgrading ER/Studio	13
Prepare to Upgrade	14
Upgrade ER/Studio Client.	14
Notes on the ER/Studio Installer	14
Upgrading ER/Studio License.	15
Upgrade ER/Studio Workstation License	15
Upgrade ER/Studio Client License	16
Upgrade the Repository	17
Upgrading Your Diagrams.	17
Upgrade Your ER/Studio Diagrams	17
Upgrade Your ER/Studio Enterprise Diagrams.	18
Uninstalling ER/Studio	19
Install ER/Studio Client	19
Uninstall ER/Studio Repository.	19

Installing ER/Studio

NOTE: If you are upgrading ER/Studio or the Repository, see [Upgrading ER/Studio](#).

Installation Checklist

Use the following checklist to ensure ER/Studio is correctly installed and configured.

Done	N/A	Requirements
		Download ER/Studio You can download a 14-day trial version of ER/Studio, which you can license later, from www.embarcadero.com/downloads/download.html
		Review ER/Studio ReadMe For the most current installation and usage information, see the ReadMe at www.embarcadero.com/resources/release_notes/ER/Studio.html .
		Ensure System Compatibility For ER/Studio system requirements, see System Requirements on page 5.
		Install ER/Studio Client For ER/Studio installation details, see Installing ER/Studio on page 7.
		Install License Server Optional, if you have purchased the License Server, for installation and configuration details see the Embarcadero License Server Installation and User Guide at www.embarcadero.com/products/ER/Studio/erdocs.html .
		License ER/Studio For ER/Studio licensing details, see Licensing ER/Studio on page 8.
		Install ER/Studio Repository Optional. If you have purchased or are evaluating ER/Studio Enterprise, which includes the Repository, for ER/Studio Repository installation details, see Installing ER/Studio Repository on page 10.
		Connect to the Repository Optional. If you have purchased or are evaluating ER/Studio Enterprise, which includes the Repository, for ER/Studio Repository connection details, see Connect to the Repository on page 12.
		Run and Test ER/Studio For step-by-step instructions on using ER/Studio, see the ER/Studio Evaluation Guide at www.embarcadero.com/products/ER/Studio/erdocs.html .

System Requirements

Review the requirements before starting to install ER/Studio. Adhering to these requirements optimizes ER/Studio's performance.

ER/Studio Requirements			
	ER/Studio	Repository Database Server	Repository Server
Hardware			
Processor	Pentium III, 600 MHz or higher	Pentium 4 or higher	Pentium 4 or higher
RAM	512 MB (1 GB recommended for large diagrams, with 1000 or more entities)	1 GB	2 GB
Disk Space	340 MB for 32-bit system 400 MB for 64-bit system	350 MB, with the possibility for expansion	50 MB
	175 MB in the System TEMP directory for temporary file storage during installation		
Operating System	Any of the following: <ul style="list-style-type: none"> • Windows Vista • Windows XP Professional • Windows 2003 (32-bit or 64-bit mode) • Windows 2000 Pro Server • Advanced Server with Service Pack 2 	Any of the following: <ul style="list-style-type: none"> • Windows Vista • Windows XP • Windows 2000 • Windows 2003 (32-bit or 64-bit mode) • Linux • UNIX 	Any of the following: <ul style="list-style-type: none"> • Windows Vista • Windows XP • Windows 2000 • Windows 2003 (32-bit or 64-bit mode)
Software	If you want to use an Open Data Base Connectivity (ODBC) database as a datasource, you need to install the ODBC driver on your client computer.	Transaction Control Protocol (TCP) up and running	TCP up and running
		Supported DBMS (see ER/Studio Repository Database Server Requirements on page 5)	
Privileges	Local Administrator Privileges (required for installation only)	DBMS privileges to create objects on the server	DBMS privileges to create objects on the server
		Local administrator privileges	Local administrator privileges

ER/Studio Repository Database Server Requirements	
Supported Repository DBMS	Corresponding RDBMS Client Utility Software
IBM DB2 UDB LUW 7.x *, 8.x, and 9.x Server	Corresponding version of IBM DB2 UDB Client Utilities (7.x, 8.x, or 9.x)
Microsoft SQL Server 2005	SQL Server 2005 Client Access
Microsoft SQL Server 2000	SQL Server 2000 Client Access
Microsoft SQL Server 7.0	Microsoft Data Access Component (MDAC) 2.6 or later
Oracle 8.1.x Server	Oracle 8.1.7.4 Client Utilities
Oracle 9.0.x Server	Oracle 9.0.x Client Utilities
Oracle 9.2.0.x Server	Oracle 9.2.0.x Client Utilities
Oracle 10g Server	Oracle 9.2.0.x or 10g Client Utilities
Sybase ASE 12.x or 15.x	Sybase 11.9 or later Client Utilities

Important Notes

- The hardware requirements are based on an ER/Studio Repository with five to 10 users. For more than 10 users, your hardware should surpass the previously statement hardware requirements to accommodate the increased number of ER/Studio Repository Server transactions necessitated by the increased number of users.
- If you install the ER/Studio Repository Server and the ER/Studio Repository database on the same machine, you should consider augmenting the hardware requirements described.
- You must use ER/Studio 7.5 or later with ER/Studio 4.5.
- The RDBMS Client Utility software must be installed before you can install the Repository Server.
- If you are using Microsoft SQL Server AND use case-sensitive nomenclatures, you may get connection error messages from the Repository. To avoid this problem, create an empty database with a non-case-sensitive character set (such as Latin_General_CI_AS), then initialize the database with the Repository Database Maintenance utility.
- For IBM DB2 UDB 7.x server, the machine where your DB2 instance resides must have the C++ compiler for the Stored Procedures to work correctly.
- For all versions of IBM DB2 UDB server, to ensure optimal Repository performance, you must have a user temporary tablespace and the database must be tuned so it does not run out of memory or log space. For more information, see [Preparing to Install the Repository](#) on page 10.

Planning for Repository Database Growth

Regardless of the platform, you should allocate at least 300 MB of space to the database and implement auto extend so that the database can accommodate increases in the size and number of your models. You should also allocate 50 MB of space to the database’s logfile.

The table below describes the initial size of some sample Repository databases before any diagrams are added, and the approximate database sizing for sample small, medium, and large diagrams.

NOTE: All sizes in megabytes (MB) unless otherwise specified.

RDBMS	Initial Size	Small Diagram	Medium Diagram	Large Diagram
Oracle 8	6	0.5	14	64
Microsoft SQL Server 7	7.8	0.7	14.7	40.9
Sybase ASE 12	3.9	0.8	28.9	89.1
IBM DB2 UDB	3.2	0.8	14.6	50

The table below describes the characteristics of small, medium, and large sample diagrams:

Sample Diagrams	Entities	Attributes	Views	Relationships	DM1 File Size (KB)
Small	22	125	2	20	184
Medium	302	2516	32	606	2153
Large	722	10629	0	1542	6967

Installing ER/Studio

NOTE: If you are installing Repository 4.5, you must install ER/Studio 7.5 or later. Previous versions of ER/Studio are not compatible with Repository 4.5.

Install ER/Studio Client

- 1 Log on to Windows with local administrator privileges.
- 2 Start the **ER/Studio 7.5** installation program
- 3 Walk through the installation wizard.

The options are straightforward, but make sure you choose the following:

- Select the **Workstation installation** type.
If you have a License Server, we'll license ER/Studio to access it in [Licensing ER/Studio](#) on page 8.
- Specify that you **do not have a valid license**.
We'll license ER/Studio in [Licensing ER/Studio](#) on page 8.
- **Do not select a Repository Server**.
If you have a Repository Server, we'll configure and connect to the Repository in [Installing ER/Studio Repository](#) on page 10.

NOTE: For details on select installation options, see [Notes on the ER/Studio Installer](#) on page 7.

- 4 For step-by-step instructions on using ER/Studio, see the **ER/Studio Evaluation Guide** at www.embarcadero.com/products/ER/Studio/erdocs.html.

NOTE: Before the 14-day trial period expires, license ER/Studio by running through the License Wizard. For licensing information, see [Licensing ER/Studio](#) on page 8

Notes on the ER/Studio Installer

The installer is for the most part self-explanatory, and you can simply follow the instructions on screen. The following are notes on those parts that require some additional explanation.

Default Notation: By default, displays the model with that type of notation.

- **IDEF1X** – Data modeling technique used by many branches of the United States Federal Government.
- **IE (Martin/Finkelstein)** – Information Engineering (IE) as developed by Martin and later revised by Finkelstein.
- **IE (Crow's Feet)** – Uses IE notation and represents relationships with connecting lines between entities, and symbols at the ends of those lines to represent the cardinality of the relationship. This notation used in Oracle texts and in other applications such as Visio. Foreign keys are displayed in entity boxes.
- **IE (Hide Foreign Keys)** – Uses IE notation, but foreign keys are not displayed in entity boxes.

NOTE: You can change the notation setting at a later time by selecting **Tools > Options** from the ER/Studio **Main** menu, and then selecting the **Logical** or **Physical** tab.

Licensing ER/Studio

NOTE: Trial versions of Embarcadero software include a 14-day license. You must purchase a license at the end of the trial to continue using the product.

To purchase ER/Studio, contact Embarcadero Sales:

Embarcadero Sales Contact Information		
Region	Telephone	E-mail
North America, Latin America and Asia Pacific	415.834.3131 ext. 3	sales@embarcadero.com
Europe, Africa, and the Middle East	+44 (0) 1628 684400	uk.sales@embarcadero.com

Once you have purchased ER/Studio and optionally installed the License Server, you must enter the licensing information in **Help > About ER/Studio > License**.

Licensing ER/Studio

There are two types of licenses for ER/Studio:

- **Workstation license** – For its license credentials, ER/Studio accesses a local `license.txt` file with the encoded MAC address of the network card on your system or the serial number of the hard disk on which ER/Studio is installed.
- **Concurrent seat (client) license** – For its license credentials, ER/Studio accesses the License Server.

For information on licensing ER/Studio, see:

- [License ER/Studio Workstation](#) on page 8.
- [License ER/Studio Client](#) on page 9.

License ER/Studio Workstation

- 1 Start ER/Studio.
- 2 Select **Help > About ER/Studio** and then click the **System** button.
- 3 Make note of either the **Drive SN** or **Mac Address**.
- 4 Click **OK**.
- 5 Request a license as follows:

To request a license by phone, call Embarcadero Support and then proceed to [step 11](#).

Embarcadero Support phone numbers:

- For **North America, Latin America and Asia Pacific**: 415.834.3131 ext. 2
- For **Europe, Africa, and the Middle East**: +44 (0) 1628 684499

OR

To request a license by e-mail, complete [step 6](#) to [step 11](#).

- 6 Click the **License** button.

The **Retail License Request** dialogs that appear prompt you for the information you need to request a license via e-mail.

- 7 Click **I have purchased the product and I am requesting a license for this machine**.
- 8 Fill in the **Customer Information** boxes as they apply to you.
- 9 In the **Additional Notes and/or Comments** box, enter the **Drive SN** or the **MAC** Address and then click **Next**.
- 10 To e-mail your license request, select the e-mail address for your location and then click **Finish**.

- For **North America, Latin America and Asia Pacific**: key@embarcadero.com
- For **Europe, Africa and the Middle East**: uk.key@embarcadero.com.

NOTE: Select the address carefully. Selecting the wrong address might delay the processing of your request.

- 11 When you receive the `license.txt` file for your machine, save it in the ER/Studio installation directory for your operating system environment.

ER/Studio default installation directories:

- **Windows XP:** C:\Documents and Settings\All Users\Application Data\Embarcadero\ERStudio_7.5
- **Windows Vista:** C:\ProgramData\Embarcadero\ERStudio7.5

- 12 Shutdown and restart ER/Studio.

License ER/Studio Client

- 1 Obtain the **Host Name** and **Port** address of the system where the License Server is running.

NOTE: For information on installing the License Server, see http://www.embarcadero.com/resources/install_guides/ETLicServInstall.pdf

- 2 Start **ER/Studio**.
- 3 Select **Help > About ER/Studio** and then click the **Server** button.

The **Embarcadero License Server** dialog appears.

- 4 In the **Host Name** box, type the DNS host name or IP address of the License Server.
- 5 If the License Server is using a port other than the default, 4880, in the **Port** box, type the port address of the License Server.

NOTE: You can test your connection to the License Server by clicking **Ping**. If the server does not respond, contact your network administrator for the correct host name and port address.

- 6 Click **Finish** and then click **OK**.
- 7 Shutdown and restart ER/Studio.

ER/Studio should restart using a concurrent seat license from the License Server.

NOTE: If the number of users is equal to the number of licensed seats, ER/Studio will inform you that it could not obtain a license at this time. Wait until a license becomes available and then retry.

Installing ER/Studio Repository

NOTE: This section applies only if you have purchased or are evaluation ER/Studio Enterprise, which includes the Repository.

The ER/Studio Repository installation comprises two components:

- **Repository Server** – The link between ER/Studio and the Repository Database. The Server is responsible for creating the SQL code necessary to query the database to retrieve data, or to insert data into the database.

The Repository Server consists of the following components:

- Repository Communication Server
- Repository Event and Dispatch Server
- Repository Database Server
- **Repository Database** – Stores information about the Repository Diagrams and their objects.

NOTE: If you are upgrading an existing Repository Installation, see [Upgrading ER/Studio](#) on page 13.

To ensure the Repository is installed correctly, see the following:

- [Preparing to Install the Repository](#) on page 10.
- [Install ER/Studio Repository](#) on page 11.

NOTE: If you are installing Repository 4.5, you must install ER/Studio 7.5 or later. Previous versions of ER/Studio are not compatible with Repository 4.5.

Preparing to Install the Repository

NOTE: This procedure applies only if you have purchased or are evaluation ER/Studio Enterprise, which includes the Repository.

Ensure your system meets the requirements described in [System Requirements](#) on page 5 and that you have addressed any special issues described in [Important Notes](#) on page 6.

If your Repository will be using an IBM DB2 DBMS, there are two procedures you must perform to ensure optimal performance of the Repository:

- [Create a DB2 UDB User Temporary Tablespace](#) on page 10.
- [Tune the IBM DB2 UDB Database](#) on page 11.

Create a DB2 UDB User Temporary Tablespace

The DB2 UDB database must have a user temporary tablespace with at least a 4 KB page size to create the temporary tables.

TIP: You should use a system managed user temporary tablespace because when managed by the system, the user temporary tablespace can grow automatically.

TIP: You can use Embarcadero's DBArtisan to create a system managed user temporary tablespace.

You can create a user temporary tablespace using the tool of your choice, or you can use the following SQL

NOTE: Before running this script, you must modify the path for the container.

```
CREATE USER TEMPORARY TABLESPACE REPOTEMP
  PAGESIZE 4096
  MANAGED BY SYSTEM
  USING('D:\DB2\NODE0000\SQL00002\SQLT0004.0')
// here you specify the physical location of the table space
  EXTENTSIZE 32
  PREFETCHSIZE 16
  BUFFERPOOL IBMDEFAULTBP
  OVERHEAD 24.10
  TRANSFERRATE 0.90
;
```

Tune the IBM DB2 UDB Database

This procedure tunes the DB2 database so that it does not run out of memory and log space.

- 1 Increase the application heap size and application control heap size to 2048x4KB.

TIP: You can increase the application heap size by right-clicking the database in the **Control Center** and selecting **Configure**. Switch to **Performance** and modify the values for **Application Heap Size** (`applheapsz`) and **Application Control Heap Size** (`appctlheapsz`).

- 2 Increase the log file space to 10,000x4 KB (or 40 MB). In addition, you should change the number of primary and secondary log files from 3 and 2 to 10 and 10. This gives a total of 400 MB of primary log space, which should be sufficient for medium to large diagrams.

TIP: You can increase primary and secondary log file sizes using the **Logs** tab of the **Database Configuration** page in **Control Center**.

Install ER/Studio Repository

- 1 Log on to Windows with local administrator privileges.
- 2 Start the **Repository 4.5** installation program.
- 3 Walk through the installation wizard.

NOTE: You need an account on the DBMS server Database with administrator privileges to create a new Repository database.

The options are straightforward, but make sure you choose the following:

- **Create new Repository database**

NOTE: For details on select options of the Repository Installer, see [Notes on the ER/Studio Repository Installer](#) on page 12.

- 4 To run and test the ER/Studio Repository, see the **ER/Studio 7.5 Evaluation Guide** at www.embarcadero.com/products/ER/Studio/erdocs.html.

Notes on the ER/Studio Repository Installer

The installation adds tables, indexes, views, and stored procedures. The installer is for the most part self-explanatory, and you can simply follow the instructions on screen. The following are notes on those parts that require some additional explanation.

- **Database name:** If you are installing more than one Repository Server on a single DBMS server, type a unique database name. Any changes to the database name are also applied to the data and log file names.
- **Automatic Growth for Microsoft SQL Server 7.0 or later:** If you want to allow automatic growth of the file, select the **Allow Growth** check box, enter a Growth Rate. Express the growth rate as either a percentage of the current database size or the number of MB to add to the database when the database is becoming full. Select the maximum size of the file: as either Unlimited or select Size and type the maximum file size in MB.
- The **New Oracle User** dialog box lets you create a new user and provide temporary tablespace information for the user. The dialog is self-explanatory, except for the following user identification options:
 - **Password:** Indicates that Oracle should identify the user with the password you provide.
 - **Externally:** Indicates that Oracle should verify the database user name against an existing operating system user name.
 - **Globally:** Indicates that Oracle will permit access to the user by obtaining user name and password information from the security domain central authority. This option is only available for Oracle 8.
- **Error Log Viewer:** The Error Log View appears if there is a problem creating your Repository database. If you get an error, review the Repository Database requirements to make sure you meet them. For further assistance with creating your Repository Database, contact Embarcadero Technologies Technical Support.

Connect to the Repository

NOTE: This section applies only if you have purchased or are evaluating ER/Studio Enterprise, which includes the Repository.

- 1 Start **ER/Studio**.
- 2 From the ER/Studio **Main** menu, select **Repository > Repository Options**.
- 3 In the **Server Machine** box, type the host name or IP address of the Repository machine and then click **OK**.
- 4 Log on to the Repository as follows:

Select **Repository > Log In**, type your user name and password and then click **OK**.

You are now ready to use ER/Studio with the Repository. For details on using the Repository, see the “ER/Studio Evaluation Guide” at www.embarcadero.com/products/ER/Studio/erdocs.html.

Upgrading ER/Studio

Use the following checklist to ensure ER/Studio is correctly upgraded.

Upgrade Checklist		
Done	N/A	Requirements
		Download ER/Studio Upgrade To download the most current release, go to www.embarcadero.com/upgrade/upgrade.html
		Review ER/Studio ReadMe For the most current installation and usage information, see the ReadMe at www.embarcadero.com/resources/release_notes/ER/Studio.html .
		Prepare to Upgrade For what to do before you upgrade to the latest version, see Prepare to Upgrade on page 14.
		Upgrade ER/Studio Client For ER/Studio upgrade details, see Upgrade ER/Studio Client on page 14.
		Update ER/Studio License For ER/Studio licensing details, see Upgrading ER/Studio License on page 15.
		Upgrade ER/Studio Repository Optional. if you have an ER/Studio Enterprise installations, which include the Repository, for ER/Studio Repository upgrade details, see Upgrade the Repository on page 17.
		Upgrade ER/Studio Diagrams For ER/Studio diagram upgrade details, see Upgrading Your Diagrams on page 17.
		Uninstall Previous ER/Studio Version For ER/Studio Repository uninstallation details, see Uninstalling ER/Studio on page 19.

Important Notes

- If you are upgrading to Repository 4.5, you must also upgrade your version of ER/Studio to 7.5 or later. Previous versions of ER/Studio are not compatible with Repository 4.5.
- You can install ER/Studio 7.5 and an earlier ER/Studio version on the same workstation.
- Any *.dm1 files you use from the previous version will be copied and converted to 7.5 format when you open them for the first time. Previous versions of ER/Studio will not read 7.5 files.
- The Diagram Upgrade can be time consuming and memory intensive. The number and size of ER/Studio diagrams managed in the upgraded Repository will dictate how long the upgrade process takes.
- Reference Models are not supported in ER/Studio 7.x.
- If you decide to uninstall a previous version, you will be given the option of saving your existing license. If you decide to reinstall the previous version, you will have the option of restoring it or using a trial license.

Prepare to Upgrade

- 1 Ensure you have backed up all your 7.1.x (or earlier version) dm1 files.
- 2 Make a backup copy of the `license.txt` file in case you need to reinstall your previous version of ER/Studio.

NOTE: The steps that follow are for ER/Studio Enterprise installations only, which include the Repository.

- 3 Check in all your diagrams and objects.

NOTE: Attempting to check in a previous-version file with the same name as an existing file will corrupt your current file.

- 4 Rename all local copies of Repository diagrams in the active file directory as follows:

Select **Repository > Options**.

Make note of the **Active File Directory**.

Switch to the **Windows Explorer** and rename all the diagrams in the **Active File Directory**.

- 5 Make a backup of the current Repository database.
- 6 Make sure no one is logged into the Repository.

Upgrade ER/Studio Client

NOTE: For details on select installation options, see [Notes on the ER/Studio Installer](#) on page 14.

- 1 Log on to Windows with local administrator privileges.
- 2 Start the **ER/Studio 7.5** installation program.
- 3 Walk through the installation wizard.

The options are straightforward, but make sure you choose the following:

- Select the **Workstation installation** type.
If you have a License Server, to license the ER/Studio client, see [Upgrading ER/Studio License](#) on page 15.
- If you have a 7.1.x license, specify Yes when asked if you have a valid license, otherwise specify that you **do not have a valid license**.
We'll license ER/Studio in [Upgrading ER/Studio License](#) on page 15.
- **Do not select a Repository Server**.
If you have a Repository Server, to configure and connect to the Repository, see [Upgrade the Repository](#) on page 17.

NOTE: Before the 14-day trial period expires, license ER/Studio by running through the License Wizard. For licensing details, see [Upgrading ER/Studio License](#) on page 15.

Notes on the ER/Studio Installer

The installer is for the most part self-explanatory, and you can simply follow the instructions on screen. The following are notes on those parts that require some additional explanation.

Default Notation: By default, displays the model with that type of notation.

- **IDEF1X** – Data modeling technique used by many branches of the United States Federal Government.

- **IE (Martin/Finkelstein)** – Information Engineering (IE) as developed by Martin and later revised by Finkelstein.
- **IE (Crow's Feet)** – Uses IE notation and represents relationships with connecting lines between entities, and symbols at the ends of those lines to represent the cardinality of the relationship. This notation used in Oracle texts and in other applications such as Visio. Foreign keys are displayed in entity boxes.
- **IE (Hide Foreign Keys)** – Uses IE notation, but foreign keys are not displayed in entity boxes.

You can change this setting at a later time by selecting **Tools > Options** from the ER/Studio **Main** menu, and then selecting the **Logical** or **Physical** tab.

Upgrading ER/Studio License

There are two types of licenses for ER/Studio:

- Workstation license – For its license credentials, ER/Studio accesses a local `license.txt` file with the encoded MAC address of the network card on your system.
- Concurrent seat (client) license – For its license credentials, ER/Studio accesses the License Server.

NOTE: The initial 7.5 installation will NOT upgrade your previous license. You will need a new license once you have upgraded.

For information on updating your ER/Studio license, see:

- [Upgrade ER/Studio Workstation License](#) on page 15.
- [Upgrade ER/Studio Client License](#) on page 16.

Upgrade ER/Studio Workstation License

- 1 Start **ER/Studio**.
- 2 Select **Help > About ER/Studio** and then click the **System** button.
- 3 Make note of either the **Drive SN** or **Mac Address**.

An ER/Studio license is tied to either the serial number of the hard drive on which ER/Studio is installed or the MAC address of the network adapter of the system running ER/Studio.

- 4 Click **OK**.
- 5 Request a license as follows:

To request a license upgrade by phone, call Embarcadero Support and then proceed to [step 11](#).

Embarcadero Support phone numbers:

- **For North America, Latin America and Asia Pacific:** 415.834.3131 ext. 2
- **For Europe, Africa, and the Middle East:** +44 (0) 1628 684499

OR

To request a license upgrade by e-mail, complete [step 6](#) to [step 11](#).

- 6 Click the **License** button.

The **Retail License Request** dialogs that appear prompt you for the information you need to request a license via e-mail.

- 7 Click **I have purchased the product and I am requesting a license for this machine.**
- 8 Fill in the **Customer Information** boxes as they apply to you.
- 9 In the **Additional Notes and/or Comments** box, enter the **Drive SN** or the **MAC** Address and then click **Next**.
- 10 To e-mail your license upgrade request, select the e-mail address for your location and then click **Finish**.

Embarcadero licensing e-mail addresses:

- **For North America, Latin America and Asia Pacific:** key@embarcadero.com
- **For Europe, Africa and the Middle East:** uk.key@embarcadero.com.

NOTE: Select the address carefully. Selecting the wrong address might delay the processing of your request.

- 11 When you receive the `license.txt` file for your machine, save it in the directory for your operating system environment.

Default ER/Studio installation directories are:

- **Windows XP:** `C:\Documents and Settings\All Users\Application Data\Embarcadero\ERStudio7.5`
- **Windows Vista:** `C:\ProgramData\Embarcadero\ERStudio7.5`

Upgrade ER/Studio Client License

- 1 Obtain the **Host Name** and **Port** address of the system where the License Server is running.

NOTE: For information on installing the License Server, see http://www.embarcadero.com/resources/install_guides/ETLicServInstall.pdf

- 2 Start **ER/Studio**.
- 3 Select **Help > About ER/Studio** and then click the **Server** button.

The **Embarcadero License Server** dialog appears.

- 4 In the **Host Name** box, type the DNS host name or IP address of the License Server.
- 5 If the License Server is using a port other than the default, 4880, in the **Port** box, type the port address of the License Server.

NOTE: You can test your connection to the License Server by clicking **Ping**. If the server does not respond, contact your network administrator for the correct host name and port address.

- 6 Click **Finish** and then click **OK**.
- 7 Shutdown and restart ER/Studio.

ER/Studio should restart using a concurrent seat license from the License Server.

NOTE: If the number of users is equal to the number of licensed seats, ER/Studio will inform you that it could not obtain a license at this time. Wait until a license becomes available and then retry.

Upgrade the Repository

NOTE: This procedure is for ER/Studio Enterprise installations only, which include the Repository.

- 1 Log on to Windows with local administrator privileges.
- 2 On the existing Repository machine, start the **Repository** installation program.

NOTE: Install Repository over the previous Repository directories.

The installation program will attempt to stop the services below.

- Embarcadero Repository Communication Server
- Embarcadero Repository Database Server
- Embarcadero Repository Event and Dispatch Server

NOTE: You can also stop the Repository services with the Windows Services Control Panel.

- 3 On the **Run Database Wizard?** page, click **Yes**.
- 4 When the wizard locates your existing database, select **Update previous Version Database to current version**.

Upgrading Your Diagrams

For information on updating your ER/Studio diagrams, see:

- If you have an ER/Studio installation that does not include the Repository, see [Upgrade Your ER/Studio Diagrams](#) on page 17.
- If you have a ER/Studio Enterprise, which includes the Repository, see [Upgrade Your ER/Studio Enterprise Diagrams](#) on page 18.

Upgrade Your ER/Studio Diagrams

NOTE: This procedure is for ER/Studio Standard installations only, which do not include the Repository.

Once you have installed the new version of ER/Studio, open each one of your old *.dm1 files in ER/Studio 7.5 and then save them.

NOTE: ER/Studio automatically updates diagrams to version 7.5 when you save them.

Upgrade Your ER/Studio Enterprise Diagrams

NOTE: This procedure is for ER/Studio Enterprise installations only, which include the Repository.

NOTE: You must update your existing diagrams before you check-out any diagrams or do any work with the new version.

NOTE: The Diagram Upgrade can be time consuming and memory intensive. The number and size of ER/Studio diagrams managed in the upgraded Repository will dictate how long the upgrade process takes.

- 1 Start **ER/Studio**.
- 2 Update the **Repository Options** to recognize the new Repository as follows:

From the ER/Studio **Main** menu, select **Repository > Repository Options**.

In the **Server Machine** box, type the host name or IP address of the Repository Machine and then click **OK**.

- 3 Log on to the **Repository** as administrator.

The default user name and password are: **Admin** and **Admin**.

- 4 Run the **Diagram Data Version Upgrade** utility as follows:

From the ER/Studio **Main** menu, select **Repository > Administration > Diagram Data Version Upgrade**.

This will update your existing diagrams to the latest version.

NOTE: After the diagrams are updated, each user must perform a clean get of ALL Repository diagrams they were working on previously.

Uninstalling ER/Studio

If you no longer need them, uninstall the previous version of ER/Studio and ER/Studio Repository.

NOTE: Be sure to backup any custom SQL files or other work files in the old ER/Studio directory because they will be removed by the uninstaller.

Install ER/Studio Client

From the ER/Studio program group, select **Uninstall ERStudio** and then follow the prompts to uninstall all ER/Studio components.

Uninstall ER/Studio Repository

From the Windows **Add or Remove Programs Control Panel**, select **Embarcadero Repository 4.5**, click **Remove**, and then follow the prompts to remove all ER/Studio Repository components.

NOTE: This does not remove the Repository database.