# How to Install and Use Enterprise Architect

Contents

[How to Install and Use Enterprise Architect 1](#_Toc434239594)

[Install 1](#_Toc434239595)

[Upgrade 2](#_Toc434239596)

[License 2](#_Toc434239597)

[Connect to Lombard Risk’s Repository 2](#_Toc434239598)

[Introduction 2](#_Toc434239599)

[Lombard Risk Subversion Repositories 3](#_Toc434239600)

[Using a Centralised Database for Read Only 3](#_Toc434239601)

[Using a Local Database to Make Changes 11](#_Toc434239602)

[Making Changes 18](#_Toc434239603)

[Day to Day Workflow 18](#_Toc434239604)

[How to fix Enterprise Architect login issues 20](#_Toc434239605)

## Install

Follow these instructions to install Enterprise Architect v12:

1. If you have installed the trial version of Enterprise Architect, uninstall it using "Add/Remove Programs" in the Windows Control Panel.
2. Obtain the installer from Office Exchange in "Enterprise Architect" directory. For read-only access, use ealite.exe. For full read-write access (you must be a London based BA or architect, or Shanghai development), use: easetupfull.exe.

London: [\\ldn-server-g\Office\_Exchange\Enterprise Architect\](file:///\\ldn-server-g\Office_Exchange\Enterprise%20Architect\)

Shanghai:  [\\sha-server-c\Office\_Exchange\Enterprise Architect\](%20/sha-server-c/Office_Exchange/Enterprise%20Architect)

New York: [\\ny-dfs-a\Office\_Exchange\Enterprise Architect\](file://ny-dfs-a/Office_Exchange/Enterprise%20Architect/)

1. Copy the installation file somewhere local.
2. Double-click on the installation EXE file. The Enterprise Architect Installation Wizard screen displays. Follow the wizard.

## Upgrade

Follow the installations instructions above to update from any previous version to Enterprise Architecture v12. Running the installer for v12 will uninstall any old versions, eg. v10.

Note: we originally had a licence for v10, but in October 2015 we obtained an upgrade to v12.

## License

1. Start Enterprise Architect. The License Management dialog automatically displays.
2. Click on the Add Key button.
3. In the Add Registration Key dialog, select the Get Shared Key tab.
4. If required, type in your name and company details.
5. In the Shared Keystore field, click on the [ ... ] (Browse) button to locate and select the shared key store file. [\\Tornado\Enterprise Architect\](file://Tornado/Enterprise%20Architect/)
6. In the Select a Product field, click on EA Corporate Edition, then click on the OK button.
7. Click on the Close button to close the License Management dialog.

## Connect to Lombard Risk’s Repository

### Introduction

The 'golden (canonical) source' for all Lombard Risk's UML modelling is in Subversion. Each Enterprise Architect package is serialised into XML files and these are stored in Subversion. Subversion provides a version-controlled, backed-up repository, and facilitates locking so that only one person can work on a package at once.

All Enterprise Architect ‘projects’ are stored in databases. A local project, .eap file, is actually an MS Access database. So when you open a 'project' in Enterprise Architect, work on it, save changes, you are making modifications to a database (ie. update/insert/delete).

The database and the canonical XML files in Subversion are synched when you check in / check out a package, and also on an ad-hoc basis.

At Lombard Risk we run two shared, centralised databases, one in London and one in Shanghai, but we recommend everyone except read-only users to use a local project (.eap file), and control themselves when to synch with Subversion.

Note that until Oct 2015, we encouraged people to use the centralised databases, but too many conflicts and data loss occurred.

To read more, please consult [this](http://www.sparxsystems.com/WhitePapers/Version_Control.pdf) guide.

### Lombard Risk Subversion Repositories

Each Lombard Risk software project stores its UML model in Subversion. Lombard Risk software projects have a Subversion repository for code, and a Subversion repository for documentation.

Details are in the table below:

|  |  |
| --- | --- |
| Project | Subversion Location |
| Colline | <http://sha-svn-b.shanghai.lombardrisk.com/repos/Colline-Docs/EA/CollineEAModelXMI> |
| Compliance Software | <http://sha-svn-b.shanghai.lombardrisk.com/OcelotDocs/Documents/03_Design/EAModelXMI> |
| Reform | <http://sha-svn-b.shanghai.lombardrisk.com/ReformDocs/EAModelXMI> |
| LRM Commons | <http://sha-svn-b.shanghai.lombardrisk.com/LRMCommonsDocs/EAModelXMI> |

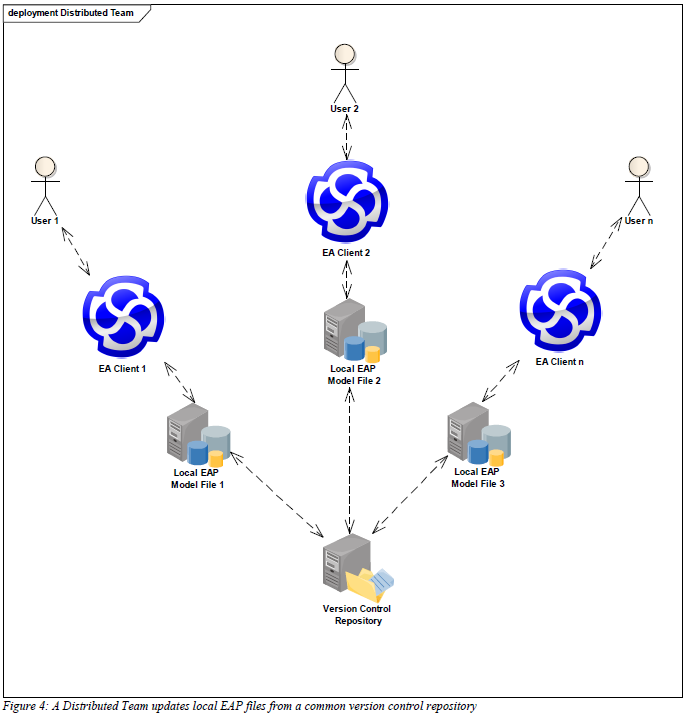
To make changes to a model in Enterprise Architect, you must have read & write privileges to the underlying Subversion repository. To request privileges, use <http://ggm.lombardrisk.com/>

Enterprise Architect stores the model in Subversion in .xml files. The model is exported from the database into the .xml files. The .xml files are stored in a format called [XMI](http://en.wikipedia.org/wiki/XML_Metadata_Interchange).

The XMI files are the master. We can recreate any project database by reimporting the XMI files from Subversion.

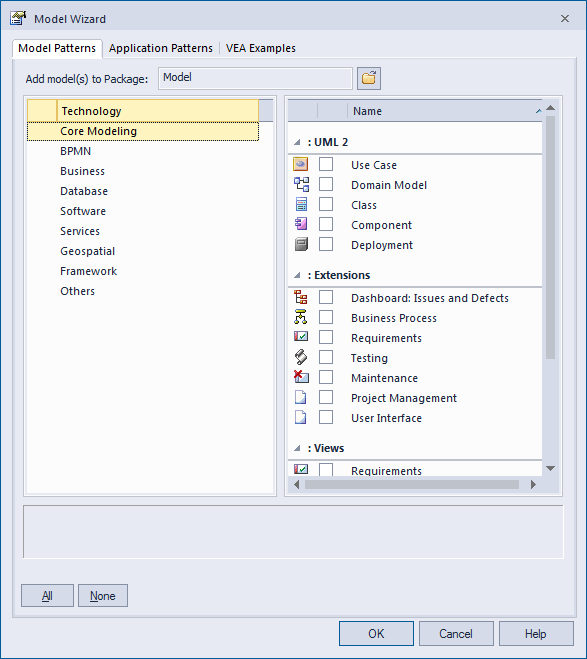
### Using a Local Database to Make Changes

If you wish to check out a package and made changes, you should use a local project. When everyone uses a local project, all changes are synched through Subversion, and topology looks like the following diagram:

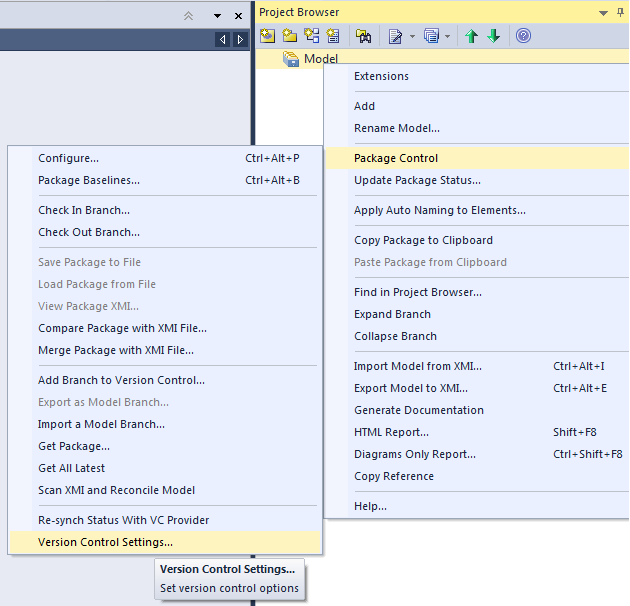


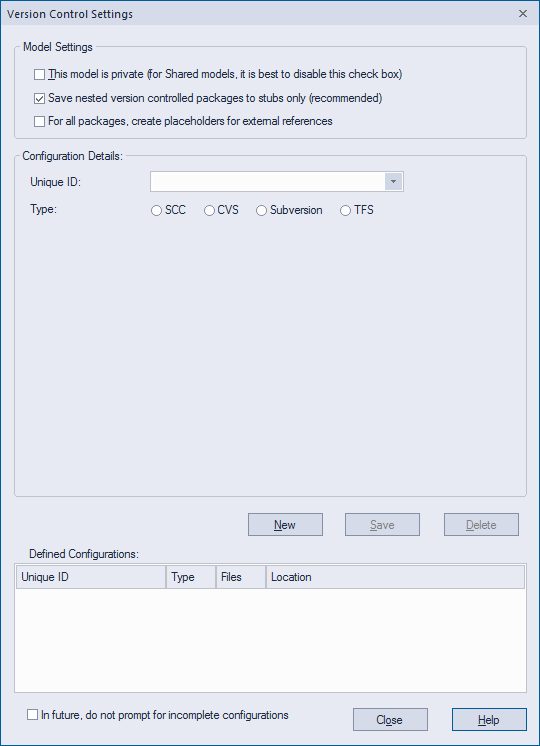
To create local project and obtain the model from Subversion, follow these instructions:

1. Checkout a working copy of the Subversion repositories you require (repository URLs are in the table above).
2. EA | New File | File Name, then

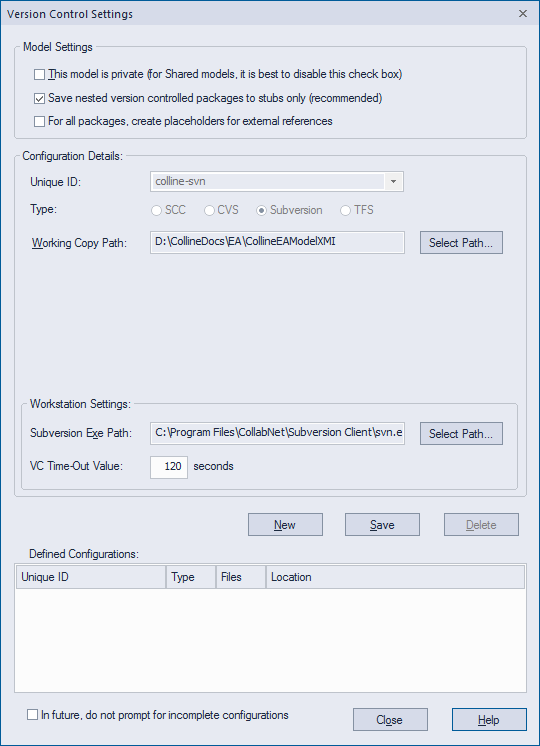


1. Click ‘Ok’. No need to select any option here.
2. Right click ->Package Control->Version Control Settings…,

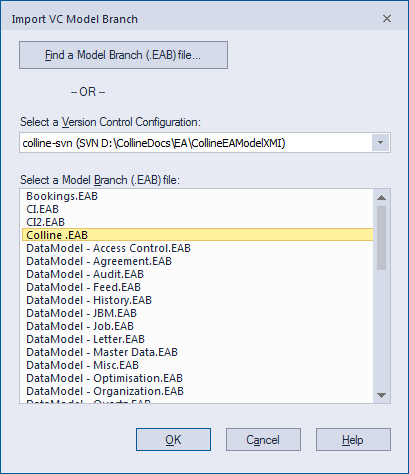




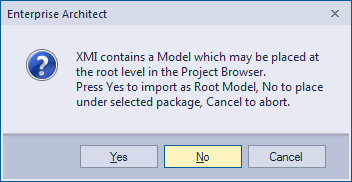
1. Select Type: ‘Subversion’.
2. Type a Unique ID : ’-svn’. (Recommend your product’s name append with ’svn’, eg : ’ colline-svn’. Note that this can only be chosen once, don’t change!)
3. Click ‘Select Path…’ to set the ‘Working Copy path’. (select the location of your working copy path! eg : D:\CollineDocs\EA\CollineEAModelXMI)



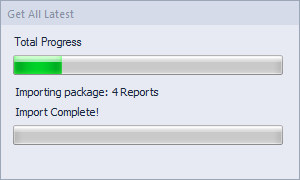
1. Click ‘Save’ and ‘Close’.
2. Then import Model Branch from SVN, Right click ->Package Control->Import a Model Branch…,



1. Select a Version Control Configuration,
2. Select a Model Branch (.EBA) file,(select your product’s name append with ’EAB’,eg:’Colline.EAB’)
3. Click ’Ok’,



1. Press ‘Yes’ to import as Root Model.
2. Wait. It can take a while.



1. When complete, content on the svn has been downloaded and synchronized to the local file, please confirm that Enterprise Architect’s project Browser, the Model and all package have a key icon overlay.
2. Repeat steps 4-15 for each Lombard Risk software project's Subversion repository

### Synchronising with Subversion and Locking

The Project Browser shows the each Lombard Risk project as a collapsible / expandable tree. The expandable items at the top level of the tree are called Models or ‘root nodes’. If you have imported each software project's model, you will have a root node for each major software project at Lombard Risk: Colline, Ocelot, REFORM, etc.

Enterprise Architect uses the ‘[lock-modify-unlock](http://svnbook.red-bean.com/en/1.6/svn-book.html#svn.basic.vsn-models.lock-unlock)’ technique for version control. This is different to the [copy-modify-merge](http://svnbook.red-bean.com/en/1.6/svn-book.html#svn.basic.vsn-models.copy-merge) technique we use with source code. When you ‘check out’ a package of the model to edit, Enterprise Architect uses Subversion repository locks.

When you save changes to the model, you save to your local database. When you want to commit changes to source control, you must ‘check in’ the package. Enterprise Architect will apply the changes to your working copy and commit those changes to Subversion.

### Day to Day Workflow

1. The entire model is locked and will be read only until you check out part of it. It will have a key icon overlay, like this: 
2. To retrieve the latest of your peers' commits into your local project, use Version Control -> Get All Latest.
3. To edit part of the model, right click on the package you wish to edit, select ‘Package Control’, ‘Check Out Branch...’. ‘Check Out...’ will just check out the node you select. ‘Check Out Branch...’ will check out the node and all its underlying nodes.

Please check out the smallest part of the model you need.

This will obtain the Subversion lock in the repository. The key icon overlay will disappear to show that you can edit.

1. Make your changes, saving frequently. When you save, changes are applied immediately to the database. Other people will see them.
2. When ready to commit changes back to source control, right-click on the package to commit, select ‘Check In Branch...’ or ‘Check In...’.

You can elect to keep the package checked out. This will commit to source control, but retain the Subversion lock in the repository.

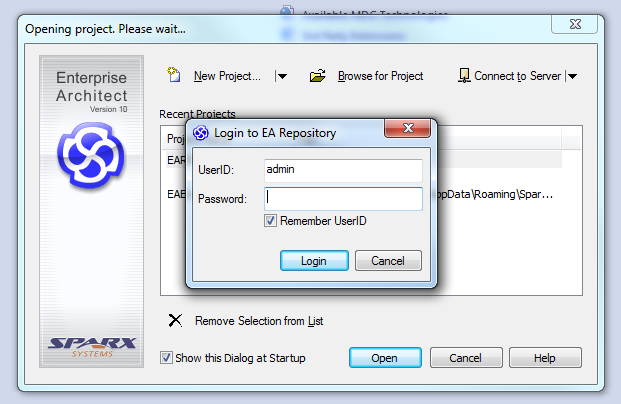
Enterprise Architect will export the model into the XMI files in your working copy and commit the changes to Subversion

1. To revert your changes, right-click on the package to revert, select ‘Undo Check Out..’

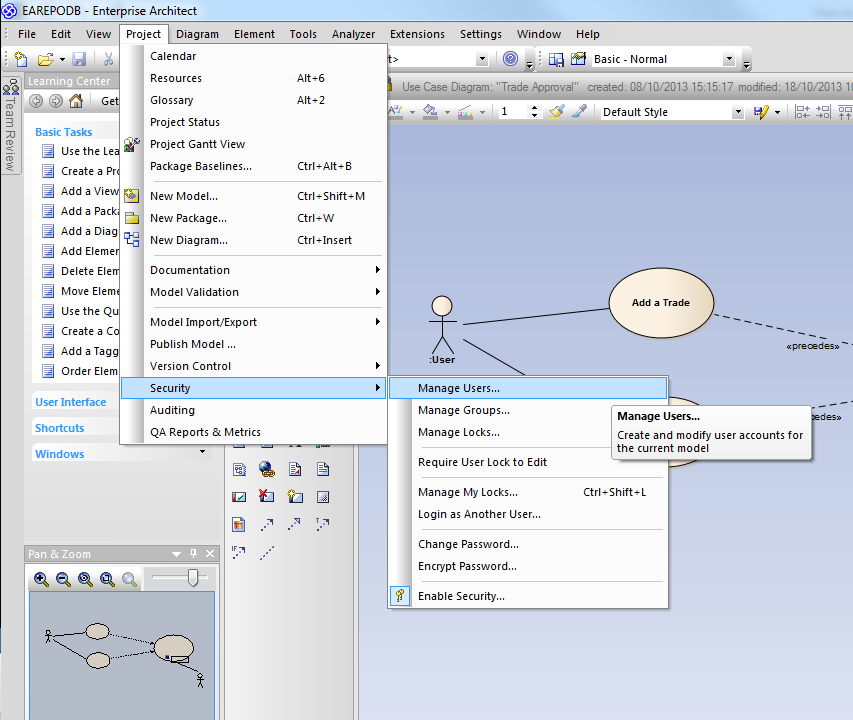
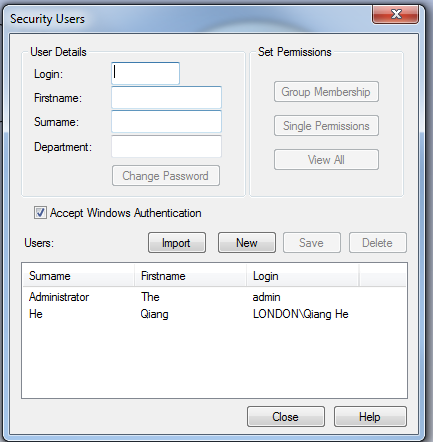
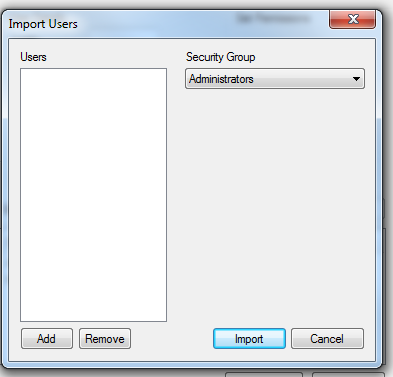
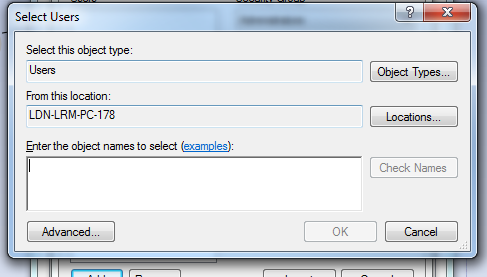
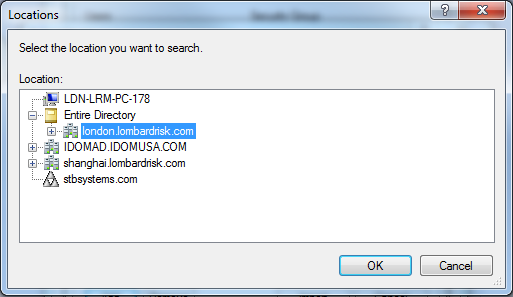
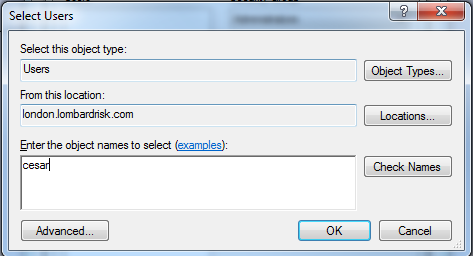
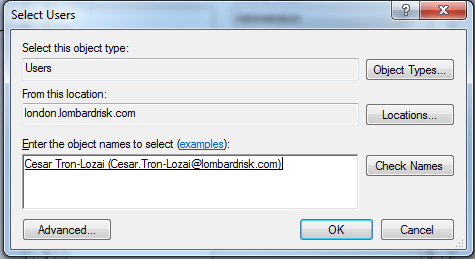
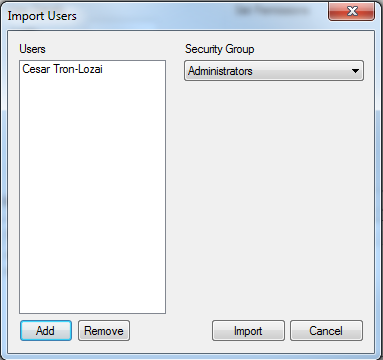
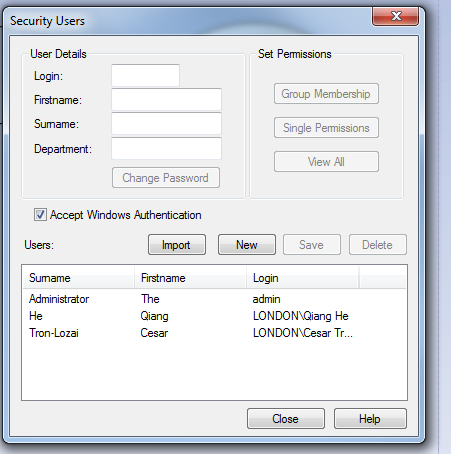
Enterprise Architect will overwrite any changes you made in the database by importing the XMI files from your working copy. It will release the Subversion repository lock.

# How to fix Enterprise Architect login issues

Recently some EA users have add issues login to the central EA repository. The following login screen would show:



This document explains how to get rid of this login pop up an enables automatic login with windows credentials

1. Use the UserID = ‘admin’ and the password=’password’ to login
2. Go to Project > Security > Manage Users  
   
3. Click import  
   
4. Then Add  
   
5. Click on ‘Location’ and select the London domain  
     
   
6. Type the beginning of your name in the text box and click ‘Check Names’  
     
   
7. Then click ‘OK’ and then ‘Import’  
   
8. You should see your name in the list of users  
   
9. If you exist EA and start it again EA should automatically log you in with your windows credentials.