

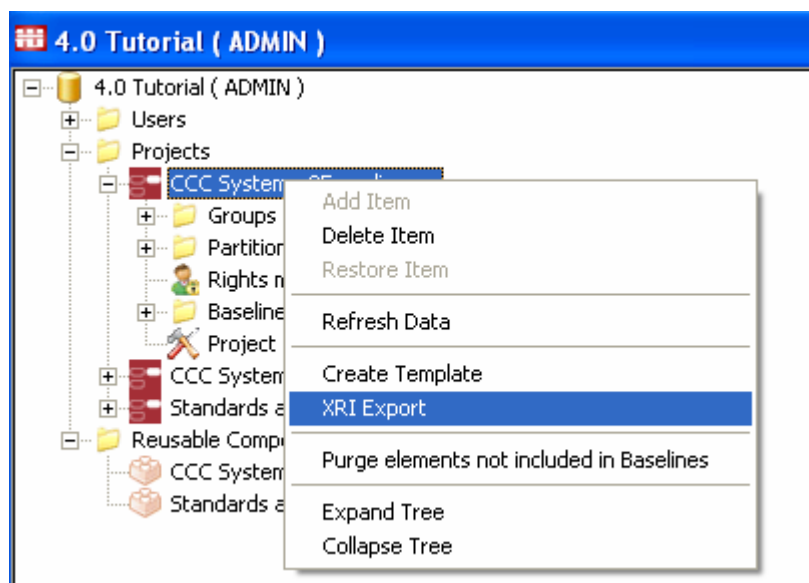
How to work offline with IRQA

A typical IRQA scenario involves a central IRQA repository stored in a commercial Database like Oracle or SQL Server. That means that you need to have access to the server containing the database. There are several ways to achieve this, you may be in the server network, you can connect remotely using Citrix, remote desktop or a similar technology or you can connect using IRQANet and a web browser. Additionally, it is possible to work offline with IRQA, this means, get a set of requirements, work with them, modify them, and then move them again to the central IRQA repository. This guide explains how to work with a set of requirement from an IRQA repository without having access to that repository.

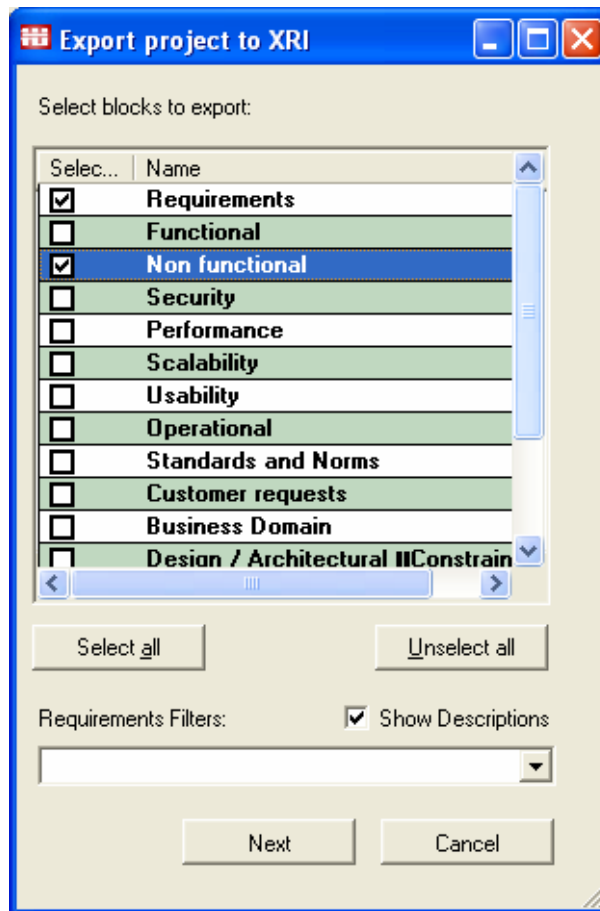
Following this simple method you may carry your requirements and work with them everywhere. You can also use this method to share sets of requirements with your customers or suppliers and then import their modifications into IRQA.

The first thing you need is a local copy of the IRQA client. The license for this copy may be node locked or a floating license. Access the IRQA repository (typically stored in Oracle or SQL Server) and check out the requirements you want to work with. By checking out a set of requirements you are ensuring that no one is going to be able to modify those requirements as long as you have them checked out. It is also possible to perform the exportation leaving the element checked-in, in that case, other users may be able to modify the original elements, this may be useful if you just one to have a copy of the elements, or don't plan to modify them.

Other users may trace them or read them (supposing they have access rights) but they can not modify them. Once the requirements are checked out, enter in the administration centre of IRQA (Administrator rights are needed) and export the blocks that contain those requirements to XRI



(The requirement may be already in a block or you can create a new block to store them just for this exportation purposes)



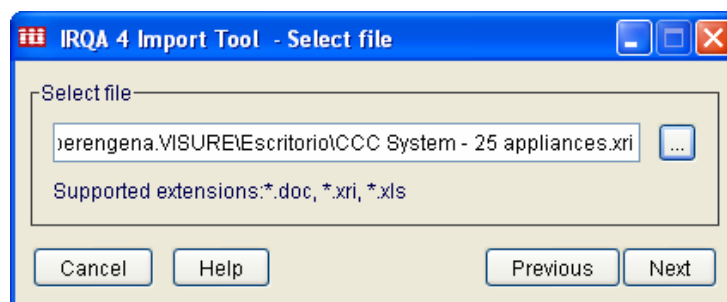
It is possible to apply filters to the exportation just in case you don't want to export the entire block.

Note: Take into account that the XRI export process needs that the element contained in the block you are about to export have at least one attribute.

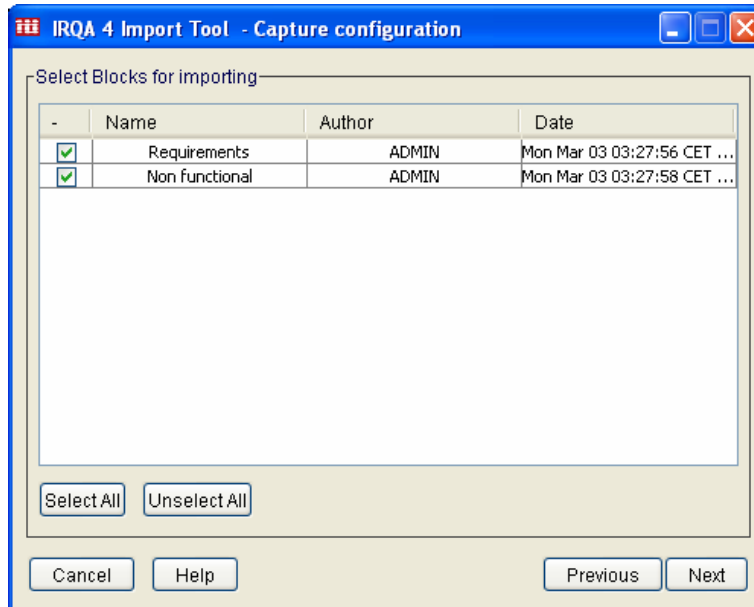
Export the requirements to XRI with the desired attributes.

Now, create a new Access repository in you machine. Create a project for this new repository.

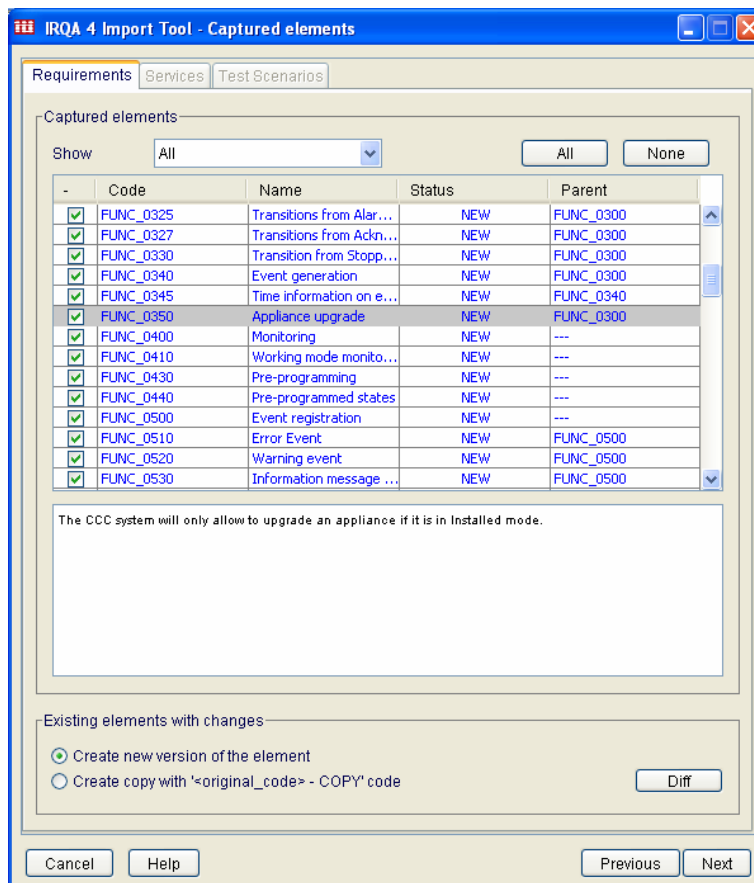
Proceed to the import tool and choose to import in this project the XRI file previously exported.



In the import process you may select which blocks you want to import and which attributes from every block (typically all of them)

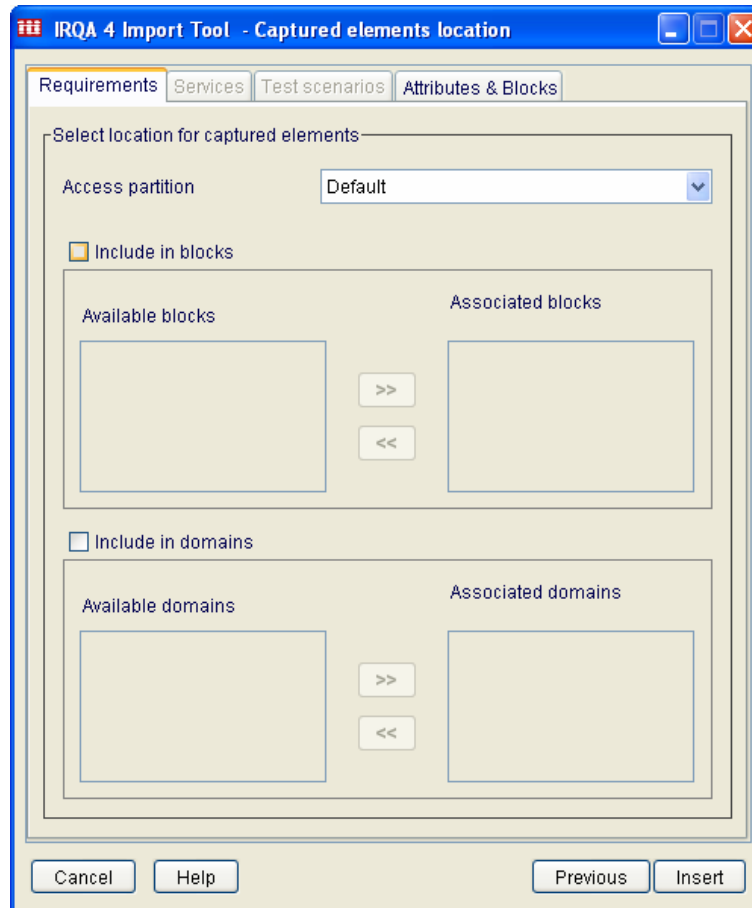


Continue with the import process and select the elements (requirements) you want to import:



If the project is new and blank, all elements will be "NEW"

Continuing with the import process you may specify a destination block, domain and access partition for the elements (By default a new block will be created for every block in the XRI File)



Once you are done you will have all the elements that you previously exported from your ORACLE or SQL Server repository into your local access database with all the attributes, relationships, hierarchy, etc. Now it is possible to modify those elements or create new elements, new traces and so on. Once you are done with the modifications simply export the requirements again to a XRI file (same process) and then import that XRI file into your ORACLE or SQL Server repository. The original requirements into the central repository are still checked out by you so they shouldn't have any modifications from the original and now you are going to update them with the last changes you performed in your local repository.

This time, in the import process you will have requirements marked not just as "NEW" but also as "CHANGED" and "UNCHANGED". Simply select the elements you want to update with your modifications and that is. Back into the central repository the elements are updated with the modification you performed offline and can be now checked-in so other users may work with them.