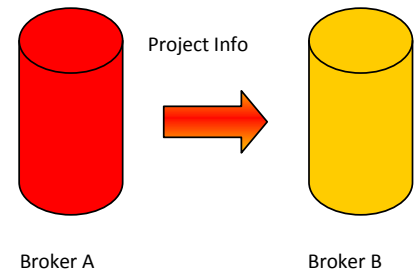


Manage your CA-SCM Projects across Multiple Brokers

Trinem Project Manager allows individual projects and their associated repositories to be exported to a single binary file. This file can then be imported either back to the original database or to *any other* CA-SCM broker instance. This allows a project and its versioned data to be copied from one broker to another.



Objects included in the export are:

- Project Lifecycle (including all states, views, processes and access rights)
- Baseline Information
- Users
- Forms and Form Content (including any custom form definitions)
- Packages
- Versions
- Snapshots

Frequently Asked Questions

- Q:** *Can I use Trinem Project Manager to copy projects between brokers?*
- A:** Yes, this is its primary purpose. *Trinem Project Manager* creates a single binary file containing everything required to restore the project on a second broker instance.
- Q:** *Can I use this to backup individual projects?*
- A:** Yes you can, *Trinem Project Manager* is a good alternative to CA-SCM's *har* (archive) and *hrt* (restore) utilities. You can backup a project to a single binary file and restore that project at any point. You can even restore the project back to the same broker instance without removing the original project – *Trinem Project Manager* takes care of renaming the project and any forms to ensure a seamless restoration.
- Q:** *Can I use Trinem Project Manager to support multi-site (off shore) development?*
- A:** Yes. Simply export a project from your off-shore site and import into your on-site system. You can then cross-project merge packages between the newly imported “off shore” project and your main development project.
- Q:** *My user base is spread across brokers with some users having access to one broker, other users access to another and some users having access to both. How is audit history retained when I import to another broker?*
- A:** *Trinem Project Manager* exports details of all referenced users. During import, checks are made as to the existence of these referenced users in the target database. If users already exist then the object ids of the referenced users are updated automatically to point to these existing users. If users that are referenced do *not* exist in the target database they are created automatically. Command line options allow for those users to be created as active users (so that they can login to the target broker following import) or to be simply included as references for audit purposes.

Q: *What about User Groups?*

A: Exactly the same. User Groups referenced in a project lifecycle are created as required in the target broker. Existing users are mapped to the new user group as appropriate and new (created users) are mapped to the new user group if they are set to be created as “real” users on import.

Q: *I have a custom form type on my source broker. This form type doesn't exist on my target broker. How does Trinem Project Manager handle that?*

A: Definitions of all form types are included in the export file. On import, a check is made to see if the custom form type exists in the target database. If it does not exist, then the form type is automatically created. If the form type *does* exist, then checks are made to ensure that the form content (field names and types) is identical. If there are any variations (such as if the form type is of a different version in the source and target brokers) then a new form type is created automatically.

Q: *How secure is the Trinem Project Manager export file?*

A: The export file is in binary format with all version data encrypted.

Q: *How does Trinem Project Manager process all the internal CA-SCM object IDs?*

A: When importing, *Trinem Project Manager* creates “shadow” database tables in the target database. Sequences are then amended and the object IDs are updated in these shadow tables before the shadow tables are copied to the main application tables and the shadow tables are deleted.

Q: *I have one broker running on Solaris with Oracle as a database. I have another broker running on Windows Server with SQLServer as a database. Can I use Trinem Project Manager to copy projects between these two environments?*

A: Yes you can. The *Trinem Project Manager* export file is platform and database vendor neutral. You can export a project from a Unix/Oracle based broker and import it into a Windows/SQL Server based broker (and, of course, vice-versa) with no issues.

Technical Support

Support is available via Trinem's Online Support System (OSS).

CA Partner

Trinem has been a CA Partner since 2001. Trinem has been an EMEA Partner of the Year, and are a preferred Partner within EMEA, working closely with CA's Development Labs in the USA.

Trinem Technology

Trinem has a number of products that compliment most SCM environments.

For more information on any of our products or services please visit us on the Web at: www.trinem.com



trinem project manager

Technical Support

Support is available via Trinem's Online Support System (OSS).

CA Partner

Trinem has been a CA Partner since 2001. Trinem has been an EMEA Partner of the Year, and are a preferred Partner within EMEA, working closely with CA's Development Labs in the USA.

Trinem Technology

Trinem has a number of products that compliment most SCM environments.

For more information on any of our products or services please visit us on the Web at: www.trinem.com

Frequently Asked Questions (continued...)

Q: *I have a project based on a snapshot. If I export this project and import it into another broker, what happens to the baseline?*

A: This will depend on what's in the target project. Assume we're exporting "Project C" which is based on "Snapshot B" taken from "Project A". If we then take that export and import it another broker which has "Project A" and "Snapshot B" then the import will simply restore the baseline to be of "Snapshot B". If "Project A" and/or "Snapshot B" does *not* exist on the target then a new baseline is created on the target with the baseline made up of the original content of "Snapshot B". In either case, the project is restored with all baseline data intact.

Q: *Can I use Trinem Project Manager to restore a single project from a database backup?*

A: Yes. One of the biggest problems in CA-SCM is when you need to restore a single project without reverting all other projects. Using CA-SCM you can restore a backup to a second (test) broker and export a single project from that instance. You can then restore that project to the primary broker – you don't even need to delete the original project since *Trinem Project Manager* renames the project and any included forms automatically. Your team can then cross-project merge accidentally deleted versions from the restored backup.

Q: *Who can run Trinem Project Manager? What about security?*

A: *Trinem Project Manager* is a server-side command line tool. It connects to the CA-SCM database via ODBC. Since it is a server-side tool, it is only available to operating system users who have access to the CA-SCM server machine. It does not authenticate with CA-SCM and requires database credentials to access the CA-SCM database.

Q: *Can I allow CA-SCM users to export and import projects?*

A: Yes. By using Trinem's *Trilogy* tool, you can turn *Trinem Project Manager* into a client-server tool and allow your end users to export projects to files on their own client machines.

Project Manager Specification.

Supported Platforms¹

- Windows
- Linux (x86)
- Sun Solaris (Sparc)
- AIX (PowerPC)

Supported CA-SCM Versions

- CA Harvest 7.1
- CA SCM R12.x

¹ Trinem Project Manager resides only on your SCM server. There are no components to install on your clients unless you wish to use Trilogy to allow your end-users to perform exports/imports.