

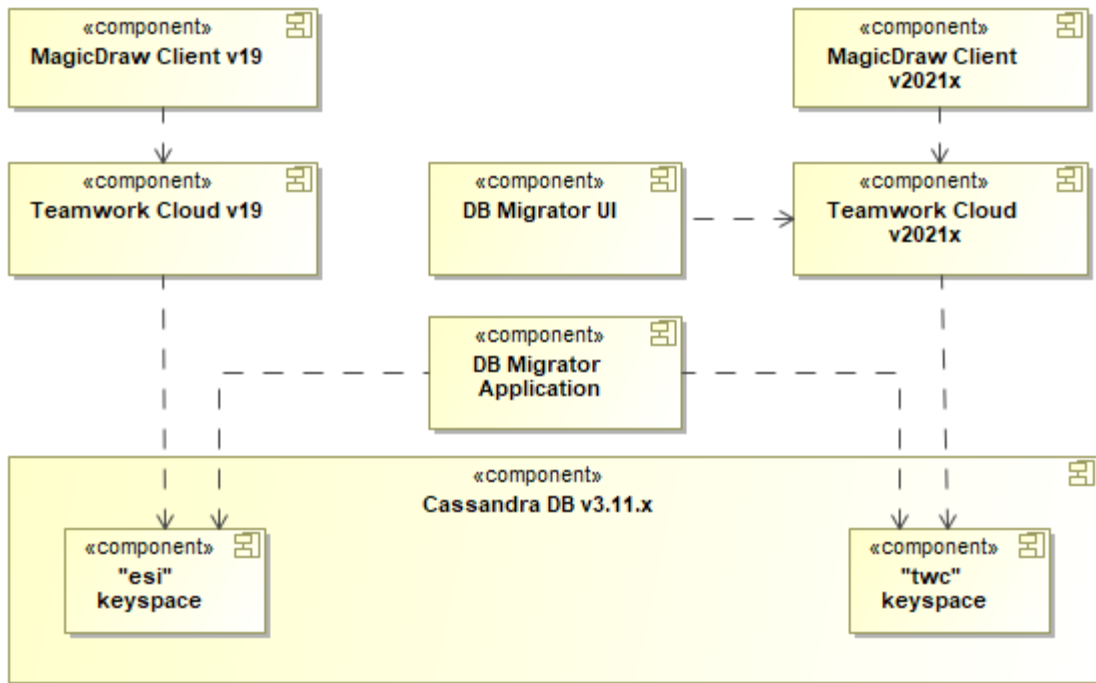
Migrating database

After upgrading to the latest version of Teamwork Cloud 2021x Refresh2, you have to migrate its database as well. The database migration tools support incremental migration, which means that selected resources are migrated version by version. During migration, new resources and partially migrated resources are still accessible in the source database, therefore users can work with them avoiding downtime. To learn more about different approaches you can use to migrate the Teamwork Cloud database, see [Migration strategies](#).

For database migration, two migration tools are used:

- **The command-line migration tool** (to be deployed on the source database server). Upon initial launch, this tool creates a new database schema and migrates all non-model data (users, roles, etc.).
- **The UI migration tool** (to be deployed on any machine with GUI support). The UI migration tool provides visual migration control and is used to migrate all resources.

The following figure illustrates how these migration tools work.



This schema displays how database migration tools work.



Important

- It is highly recommended not to work with the upgraded version of Teamwork Cloud before initial database migration, except for setting up a licence with the default Administrator user.



Migration prerequisites

- Do not alter user permissions on the target Teamwork Cloud server during database migration. Otherwise, original user permissions may not be migrated from the source to the target Teamwork Cloud server correctly.



The migration tool must be started using Java 11x version.

1. On the source database server, download and extract the *migrationtool_<version_number>_no_install.zip* file.
2. Execute the command-line migration tool on the server and leave the tool running during the entire migration process. If the tool stops running, check the output message for errors.
 - Linux: *migrationtool<version>no_install/MigrationTool/migrator*
 - Windows: *migrationtool<version>no_install/MigrationTool/migrator.bat*

3. Download and extract the UI migration tool onto your desktop machine (or any machine with remote access to the source database server).
 - Linux: `migrationtool<version>ui-linux.tar.gz`
 - Windows: `migrationtool<version>ui-win.zip`
4. **Run the migration tool only on 19.0 SP3 or 19.0 SP4.**
 - Linux: `migrationtool<version>ui-linux/migrationtool_ui/migrator`
 - Windows: `migrationtool<version>ui-win/migrationtool_ui/migrator.bat`

You can migrate the Teamwork Cloud database only from versions 19.0 SP3 and 19.0 SP4 (schema version #26). The schemas of the databases or earlier versions are not suitable for migration. If you want to migrate a database of an earlier version, first migrate it to version 19.0 SP3 or 19.0 SP4. For more information, see [Migrating data to version 19.0 SP3](#) or [Migrating data to version 19.0 SP4](#).
5. When the resource migration wizard opens, enter the user name, password, and server name of the target version of Teamwork Cloud and click **Next**.

Migrate Resources to Version 2021x

Select the resources to migrate.

The Configure Server permission is required for migration.

To migrate the Teamwork Cloud database, you need to have the Configure Server permission of the Server Administrator role in the target version of Teamwork Cloud.

The Teamwork Cloud 2021x Refresh2 license must be applied before migrating.

If the license is not applied, the migrator cannot establish a connection with Teamwork Cloud.

☒ 1. Login to TWC 2021x
☐ 2. Migrate Resources

User name:
 Password:
 Server name:
☒ Use secured Connection (SSL)

6. Select the resources you want to migrate.

