Jenkins Migration Jobs

# SesammTool2 Migration

## Description

The purpose of the job is to enable automatic migrations from Sesamm Tool 1 to a SesammTool2 database.

If data needs to be kept then a backup should be taken before this is executed.

The job starts by copying artifacts from SesammTool2 Build, the artifact that it needs is EntityFramework and the migration scripts. The artifacts are copied from GitLab to server using an on-prem gitlab-runner installed on sesoco3281.

The job then runs the script **PreMigration.ps1** which checks whether the temporary database is created or not. The temporary database holds the Sesamm Tool 1 data before copying it over to the destination database.

If the temporary database exists then we remove it and recreate it in order to get the latest schemas etc. If it doesn’t exists we create it.

Then the migration is performed and data is migrated from Sesamm Tool 1 DB to the temporary database.

When the migration is completed the script **PostMigration.ps1** is run which will first copy all the data from identity tables from the temporary database to the destination database. After that is completed it will copy all the non-identity tables.

The copying is done to preserve all the users permissions and not accidentally update the schema of the destination database, however it will still clear the data so in order to preserve the data a backup should be taken beforehand.

When this is done the job will trigger a new sub-job called SesammTool2 CR Sync

## Prerequisits

The JenkinSlave that runs the Pre/Post-Migration scripts has to have PSSQL-powershell extensions installed. Those can be installed according to this instruction [Install SQL Server PowerShell Module](http://guidestomicrosoft.com/2015/01/13/install-sql-server-powershell-module-sqlps/).

**Note**! I have actually not tested that instruction, instead I copied the installation done earlier on Sesoco2111 to Sesoco3281, and that worked fine.

* Copy folder (including content) C:\Program Files\Microsoft SQL Server\130\Tools\PowerShell from existing server to the server where you want to run the migration.

The PowerShell-folder can also be found in a zip-file here:

[\\GLOBAL\DFS04\System\_Platform\20\_Organisation\40\_Tool\_Chain\EPID\30\_Product\SesammTool2\PowerShellSQL](file:///\\GLOBAL\DFS04\System_Platform\20_Organisation\40_Tool_Chain\EPID\30_Product\SesammTool2\PowerShellSQL)

# SesammTool2 CR Sync

The purpose of this job is sync change requests from JIRA so that we have the latest status for them etc.

This job requires PowerSesamm and thus copies the artifacts from SesammTool2 Build.

The job then executes the Sync-ChangeRequest command in PowerSesamm in the context of the SesammTool2 Service User.

If the job finishes without errors then the change requests should be up to date.

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