

Run refile

Use the following options to run the ugmanager_refile utility:

Summary of Options

Option Name	Option choices	Default choice	Meaning
-u[ser]	<user>	-	Lets you specify the Teamcenter Integration for NX username. The username is not required for auto-login.
-g[roup]	<group>	-	Lets you specify the Teamcenter Integration for NX group name. The group name is optional.
-p[assword]	<password>	-	Lets you specify the Teamcenter Integration for NX password. The password is not required for auto-login.
-i[nput_list]	<filename>	-	Lists the specification of parts to refile.
-f[older]	<folder name>	-	Specifies the name of the folder that is listing the parts to refile.
-k[eepest_volume]	<yes no>	yes	Uses the original volume for the refilled parts.
-h[elp]	-	-	Lists the summary of the available refile options.
-non[_masters]	<yes no>	yes	Automatically refile non-masters, when a master part is specified for refiling.
-out[put_file]	<filename>	failed_refiles.log	Specifies the name of the log file to record parts that failed to refile.
-log[_file]	<filename>	ugmanager_refile.log	Specifies the name of the log file to record the refiling output.
-part	<part specification>		Indicates the specification of a single part to refile.
-bypass	<yes no>	No. Set to <yes no> manually	Executes the ugmanager_refile utility with bypass privileges.
-resume[_from]	<number>	-	Indicates the line number of the input list to start the refiling process.

-update_mod[_props]	<yes no>	yes	Updates the last modifying user and the last modified date properties of the refiled dataset.
-refile_released	<yes no>	no	Refiles parts with released status. It requires bypass privileges.
-structure_sync	<no from_iman from_ug>	no	Indicates whether to synchronize structures between NX and the Product Structure Editor (PSE) in Teamcenter as part of the refileing process. This option does not save the structure if it is not modified. To do so, use the -structure_sync option along with -force_structure_sync .
-force_structure_sync	<yes no>	yes	Forces the structure to be saved, even if there are no structure modifications. This option has effect only when used with the -structure_sync option.
-transforms_source	<from_iman from_ug>	-	Acts as a source of transform if different from the -structure_sync option.
-sync_arrangements	<yes no>	-	Synchronizes arrangement data if consistent with other structure sync settings.
-generate_trueshape	<yes no>	no	Generates True Shape occupancy data without refileing parts.
-record_part_data	<yes no>	no	Records information about part data (its bounding box, mass properties, and all non-synchronized part attributes) in Teamcenter without actually refileing the part itself. NX uses this information in conjunction with the PSE assembly structure to speed up the Update Structure operation for assemblies held in Teamcenter, as it no longer needs to load any obsolete component parts.
-record_altrep_notes	<yes no>	no	Records AltRep occurrence notes (temporary option) without refileing parts.
-compression	<compress uncompress>		Indicates whether the Parasolid portion of the part file should be saved as compressed or uncompressed (if it was already compressed).

-y	-	-	Loads assembly and refiles components fully, which are not at the current NX version.
-force_refile	-	-	Used with the -y option to fully load assembly and force all components to be refiled.
-cleanu[p]	<yes no>	-	Performs a part cleanup before refiling. For more information about part cleanup, see Automatic Cleanup Operations .
-d[rawings]	<update>	-	Updates all drawing views before saving a part in the new version.
-anonymize	-	-	Cleans up the part history entries, but does not remove them. The part history entries are used by NX to perform proper inter-part update when loading.
-convert_mcs	-	-	Converts mating conditions to assembly constraints during refile and outputs a report that contains the results of the conversion. This functionality is similar to the convert mating conditions operation in NX at Assemblies→Components→Convert Mating Conditions .
-mc_parts_only			Used in conjunction with -convert_mcs to only refile parts that contain mating conditions.
-mc_dry_run			Used in conjunction with -convert_mcs to convert mating conditions and generate the report without saving the parts.
-mc_don't_load_referenced_geometry			Used in conjunction with -convert_mcs, this option disables the automatic loading of parts that contain geometry referenced by the mating conditions being converted.

Note:

If the parts containing the referenced geometry are loaded anyway, such as with the **-y** option, then this option has no effect.

Because the referenced geometry is not loaded, the result of the conversion cannot be checked during the refile process. Instead, each converted constraint is validated when it is next loaded into NX in the context of its reference data, and if the constraint fails validation, it is suppressed.

The advantage of using this option is that the refile process is faster and uses less memory.

The disadvantages are as follows the next time the constraint is loaded together with its reference geometry:

- Performance is decreased due to validation.
- No conversion validation report is generated indicating the results of the validation.
- Constraints may occasionally be unnecessarily suppressed during the validation.

-regen_lw

Regenerates all lightweight representations in the part.

-regen_lw_def_tol

Regenerates all lightweight bodies using the current default tolerancing values.

-force_read_jt

-

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You can use the JT dataset instead of the UGMaster dataset for a component. During refile with this option, if both UGMaster and JT datasets exist for a part, the UGMaster is deleted first, then the refile process uses the remaining JT dataset. If only the UGMaster exists, it is not deleted. The output of the refile is unchanged; it is a UGMaster dataset for your part.

This option is useful if you are using refile as part of a migration workflow to convert JT data into NX data. You can also use it to rerun refile without having to manually cleanup data, for

example, if an empty UGMaster dataset was created during a previously failed JT refile.

To use this option, you must have permission to delete any existing UGMaster dataset present in the Item Revision. To ensure this, use this option with the **-bypass=yes** option.

Note:

The **-out[put_file]** and **-log[_file]** options (which are used to record part refiles and refiling output respectively) do not apply when used with the option **-part**. However, they do apply with the **-i[nput_list]** and **-f[older]** options as these are used for multiple refiles.

Update Option

The **-update_mod_props=no** option was designed to suppress modification of a dataset when the only action **refile** does is to upgrade the part to a newer version of Teamcenter Integration. In this case, the refile action does not change the part. Historically, this option was implemented so that Global Teamcenter would not re-transmit the assembly just because it has been refiled. If the refile is performed on a part which already has synchronised structure, the structure does not need to change and the assembly part is again essentially unchanged. In this case, the BVR/item revision/item last modified dates will not change if the option **-update_mod_props=no** is supplied.

The case where the structure is out of sync beforehand is different. Refiling with **-update_mod_props=no** (but without synchronizing the structure) should leave the final state structure still out of sync and the NX dataset/BVR/item revision/item last modified dates all untouched. However, synchronizing the structure will change these dates irrespective of the presence of the **-update_mod_props=no** switch. This is the expected behavior because synchronizing the structure does constitute a significant change (which, for example, Global Teamcenter needs to know about). This is also the case if the **-force_structure_sync=yes** command line option is set.

When the **-update_mod_props=no** and **-generate_trueshape=yes** options are used together, the **-update_mod_props=no** option is not recognized and the last modifying user and last modified date properties of the dataset *are* updated. Since **-generate_trueshape=yes** does not actually refile the part, the refile routine is not called and the **no** setting for **update_mod_props** is not recognized.

Clean up part history for all components in an assembly during refile

When you use the **-y** option to fully refile all components in an assembly and add the **-anonymize** option to cleanup part history entries, the **-anonymize** option applies to all components in the assembly.

Refiling altreps

When you use the **-part** and **-non_master=yes** options to refile a part and its altreps, the altreps do not refile. Use the **-input_list** option with the **-non_master=yes** option to refile a part and its altreps. For example:

```
ugmanager_refile -i=refile_list -non_masters=yes -u=<system administrator>  
-p=<password>
```

Upgrading transforms from legacy

The Teamcenter Integration **refile** utility from should be used to upgrade transforms from legacy to PLM XML format when running against Teamcenter. A new command line option has been added and the following command line option combinations are summarised:

structure_syn	transform_source	Behaviour
from_ug	from_ug	NX is master for both structure and transforms
from_ug	from_iman	Mode not supported
from_iman	from_ug	Structure from Teamcenter, but transforms from NX
from_iman	from_iman	Teamcenter is master for structure and transforms

It is recommended that the **-force_structure_sync=yes** switch is also used when refiling transforms.

Was this information useful?