



Montréal



PTC USER MONTREAL

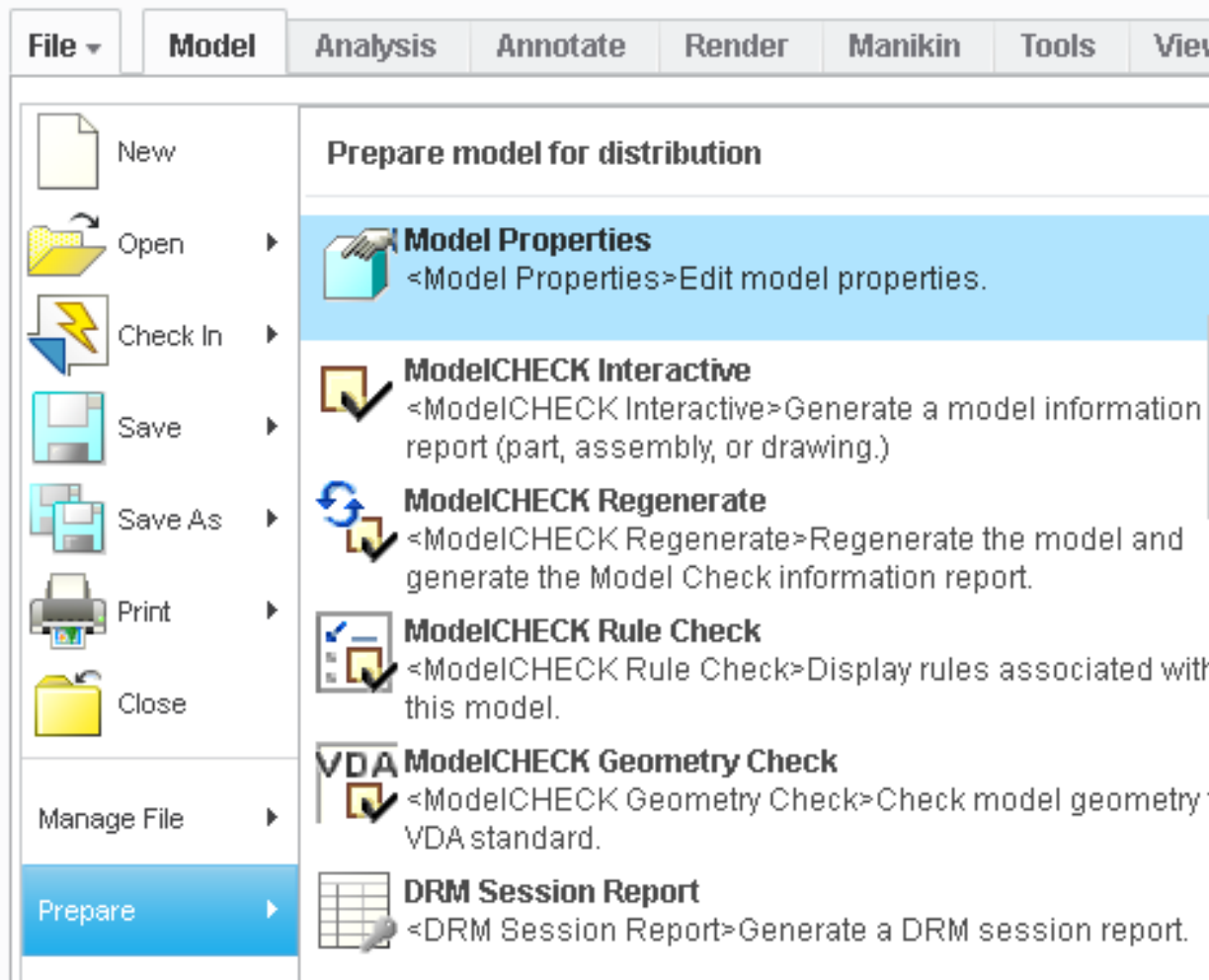
Controlling References in Creo

Ian Blackie

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REFERENCES IN THE GUI

File, Prepare, Model Properties



REFERENCES IN THE GUI


File, Prepare, Model Properties

Click to expand

Model Interfaces

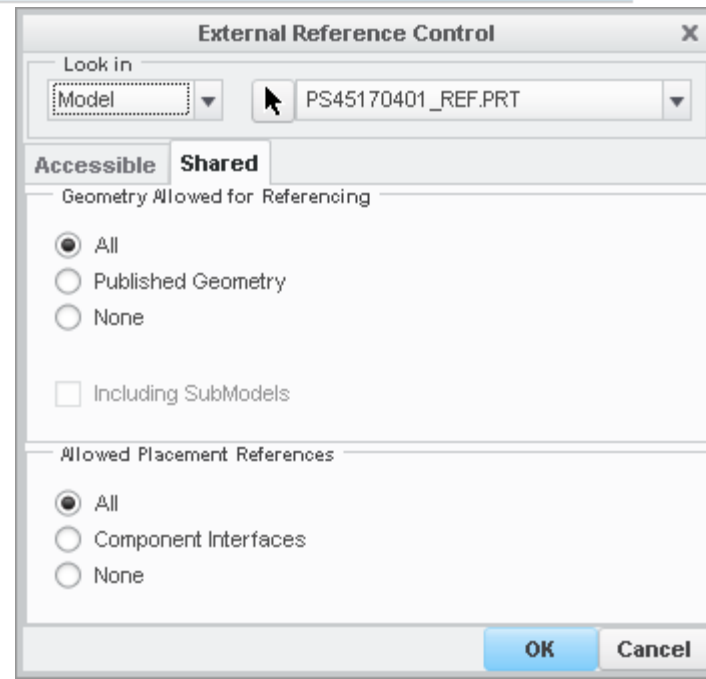
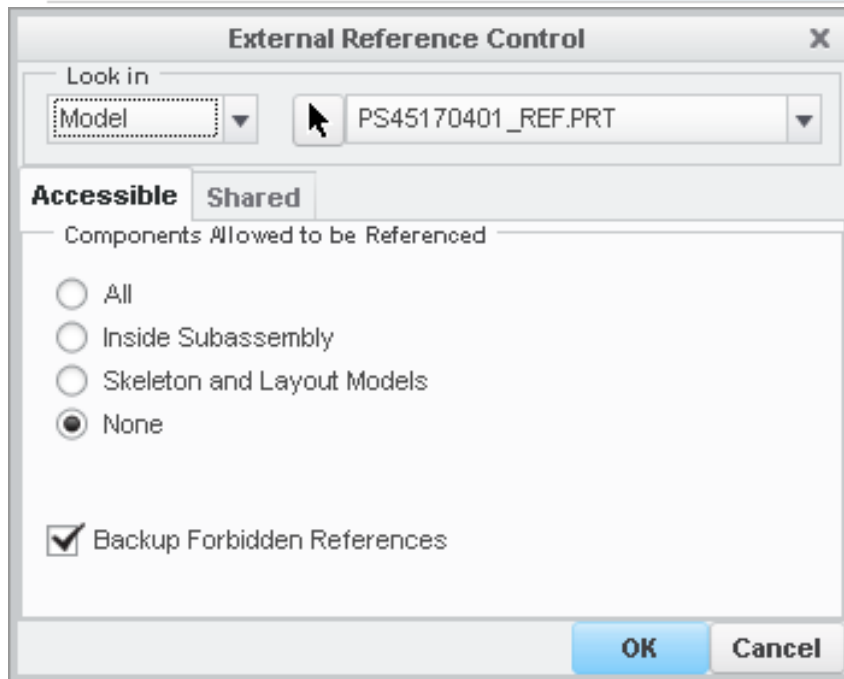
Reference Control User defined settings change 

Model Interfaces

Reference Control User defined settings change 

Components allowed to be referenced	None
Using backup of forbidden external reference	Yes
Geometry allowed for referencing	All
Creating prohibited reference to subassembly components	Allow
Allowed placement references	All

Current Settings



REFERENCES IN THE GUI

Model Interfaces

Reference Control	User defined settings
Components allowed to be referenced	None
Using backup of forbidden external reference	Yes
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Creating prohibited reference to subassembly components	Allow
Allowed placement references	All

External Reference Control

Look in: Model PS45170401_REF.PRT

Accessible Shared

Components Allowed to be Referenced

All
 Inside Subassembly
 Skeleton and Layout Models
 None

Backup Forbidden References

OK Cancel

External Reference Control

Look in: Model PS45170401_REF.PRT

Accessible **Shared**

Geometry Allowed for Referencing

All
 Published Geometry
 None

Including SubModels

Allowed Placement References

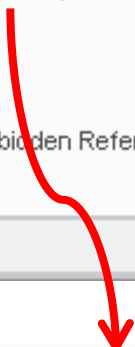
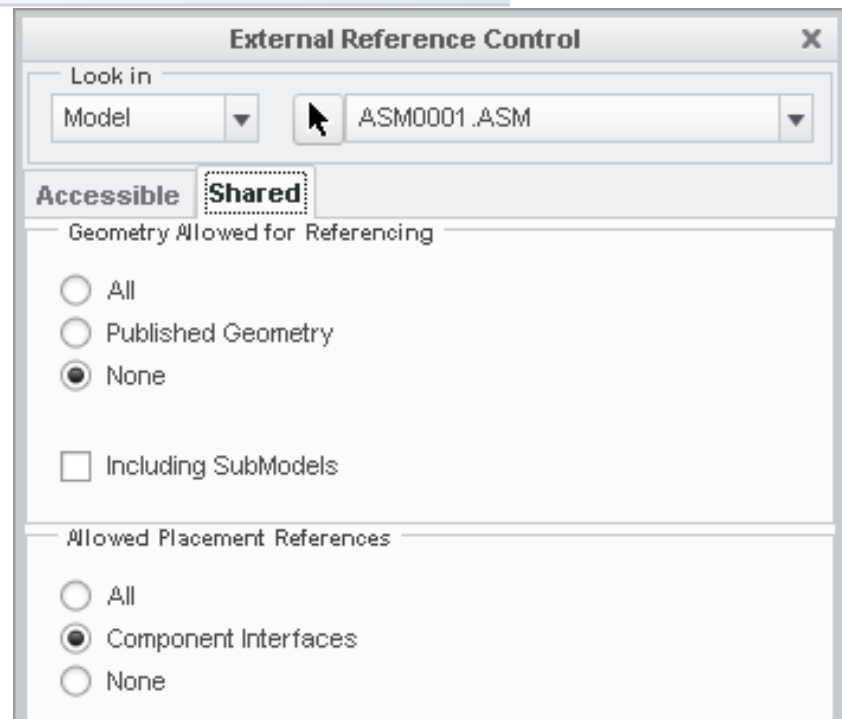
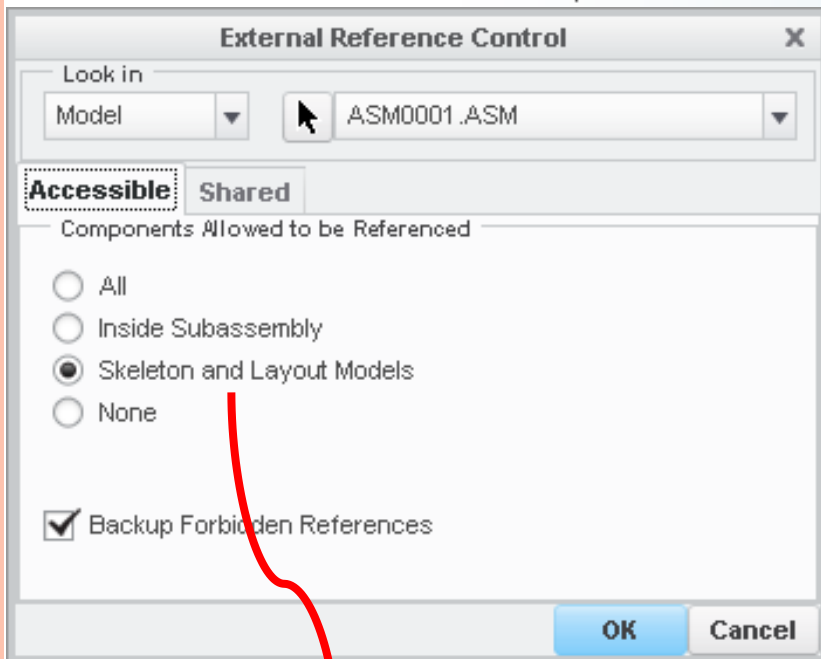
All
 Component Interfaces
 None

OK Cancel

REFERENCES IN THE GUI

Model Interfaces

Reference Control	User defined settings	
	Components allowed to be referenced	Skeleton and Layout Models
	Using backup of forbidden external reference	Yes
	Geometry allowed for referencing	None
	Creating prohibited reference to subassembly components	Allow
	Allowed placement references	Component Interfaces



External references may be created only to the skeleton and layout model of the high level subassemblies.

EXTERNAL REFS IN THE CONFIG.PRO

To Channel All External References Through Skeleton Models

You can use reference control settings so that only external references via skeletons from the top downward are allowed:

1. Create a skeleton for each subassembly.
 2. Set an object-specific reference control None and clear the Backup Forbidden References check box.
 3. Set an object-specific reference control Skeleton Model and clear the Use backup for forbidden external references check box.
- These reference control settings are stored with the assembly and are not environment dependent.



EXTERNAL REFS IN THE CONFIG.PRO

- `default_ext_ref_scope` all*, None, Subassemblies, skeleton_model
- `default_comp_geom_scope` all*, pg, none
- `default_comp_invalid_refs` copy*, prohibit
- `default_comp_module_geom_scope` tagged*, all, pg, none
- `default_comp_scope_setting` all*, None, Subassemblies, skeleton_model
- `default_comp_skel_geom_scope` all*, pg, none
- `default_comp_skel_scope_setting` all*, None, Subassemblies, skeleton_model
- `default_geom_scope` all*, pg_if_exists, pg_only
- `allow_ref_scope_change` yes*, no
- `default_object_geom_scope` all*, pg, none
- `default_object_scope_setting` all*, None, Subassemblies, skeleton_model
- `default_obj_constraints_scope` all*, interfaces, none
- `default_placement_scope` all*, intrf_if_exists, intrf_only
- `ignore_all_ref_scope_settings` no*, yes
- `model_allow_ref_scope_change` yes*, no
- `scope_invalid_refs` copy*, prohibit



EXTERNAL REFS IN THE CONFIG.PRO

- Experiment with the settings
- Define your use cases.
 - Top Down Design
 - Hardware libraries
 - New user training
- Communicate the settings
 - It is hard to find a reference control issue if no one knows that it has been set.
- The Creo Help Center was very helpful.

