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NX Product Template Studio for Pros

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Office of Architecture & Technology

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Agenda

- Suppressed components
- Automatic reparenting of WAVE links
- Freeze WAVE update
- Show and hide PTS dialog widgets
- Requirements and checks
- Invoke NX Open
- Manipulate views, reference sets and layers

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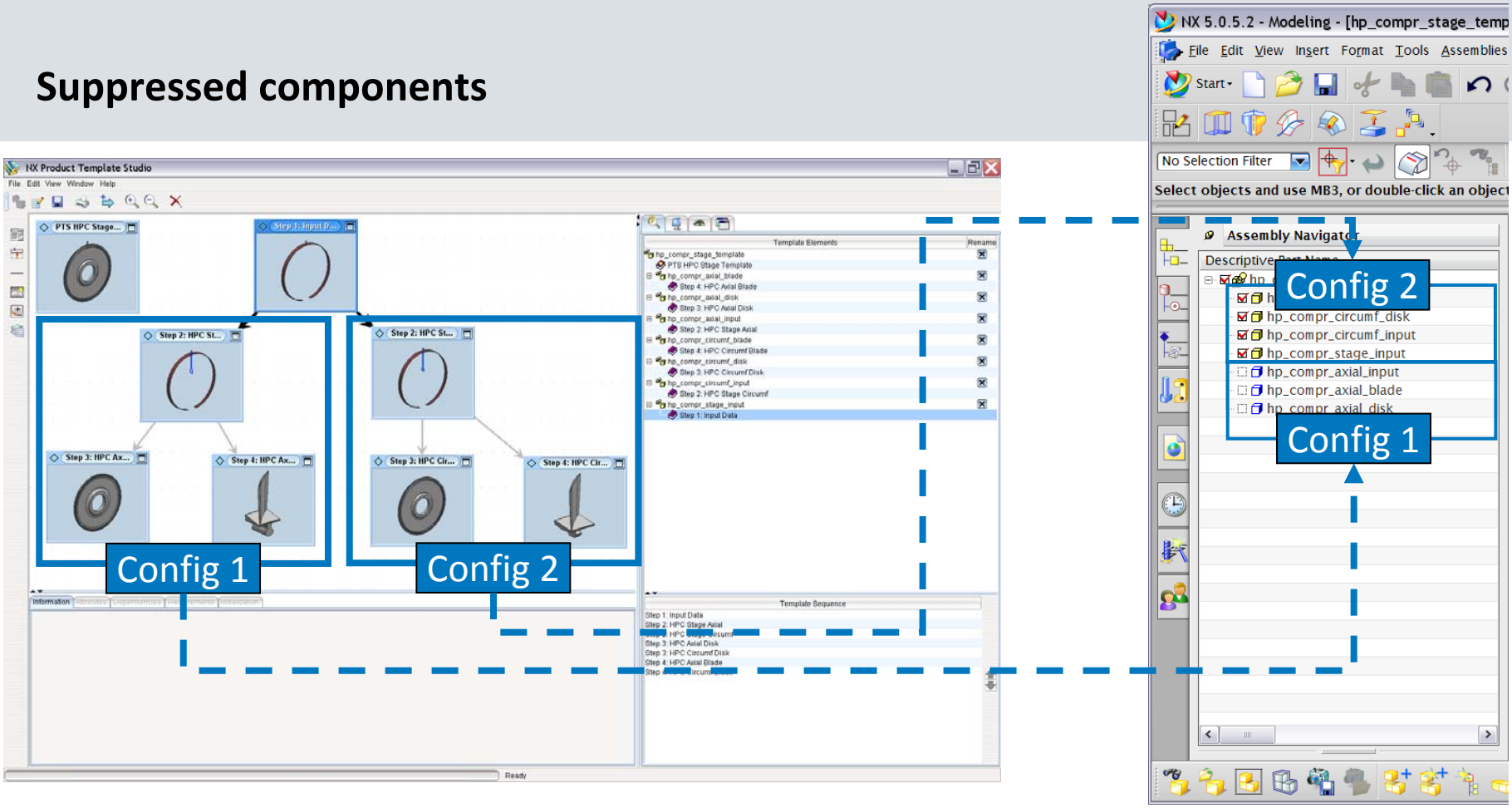
Suppressed components



- PTS allows you to work with <u>suppress component by expression</u> in order to deal with template configuration changes
- Suppressed components do not show up in the NX Template Explorer

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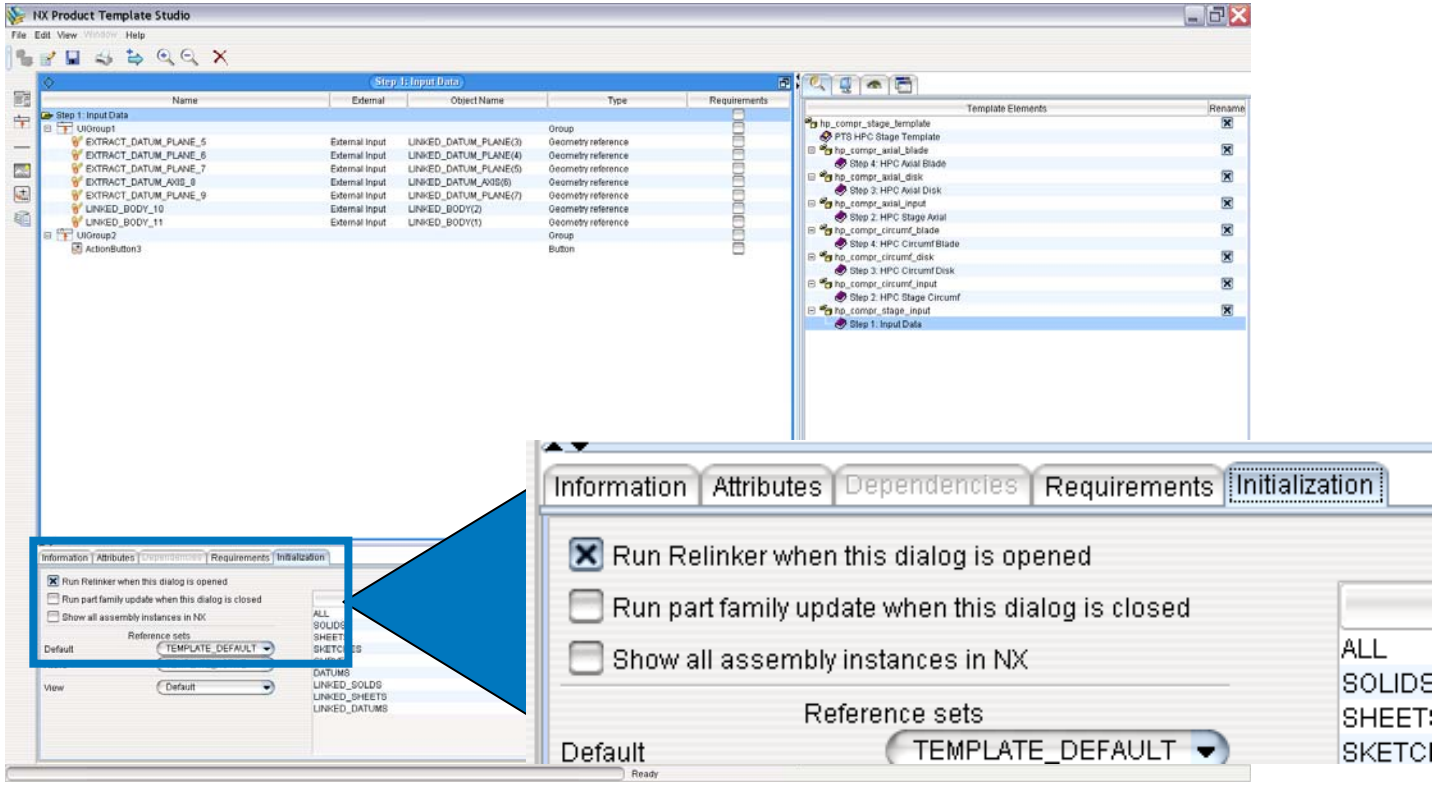
Automatic reparenting of WAVE links



- PTS allows you to run the General Relinker functionality as part of the Product Template
- General Relinker allows you to relink WAVE links in the context of product template assemblies; this will automate the relinking process and enable topology changes

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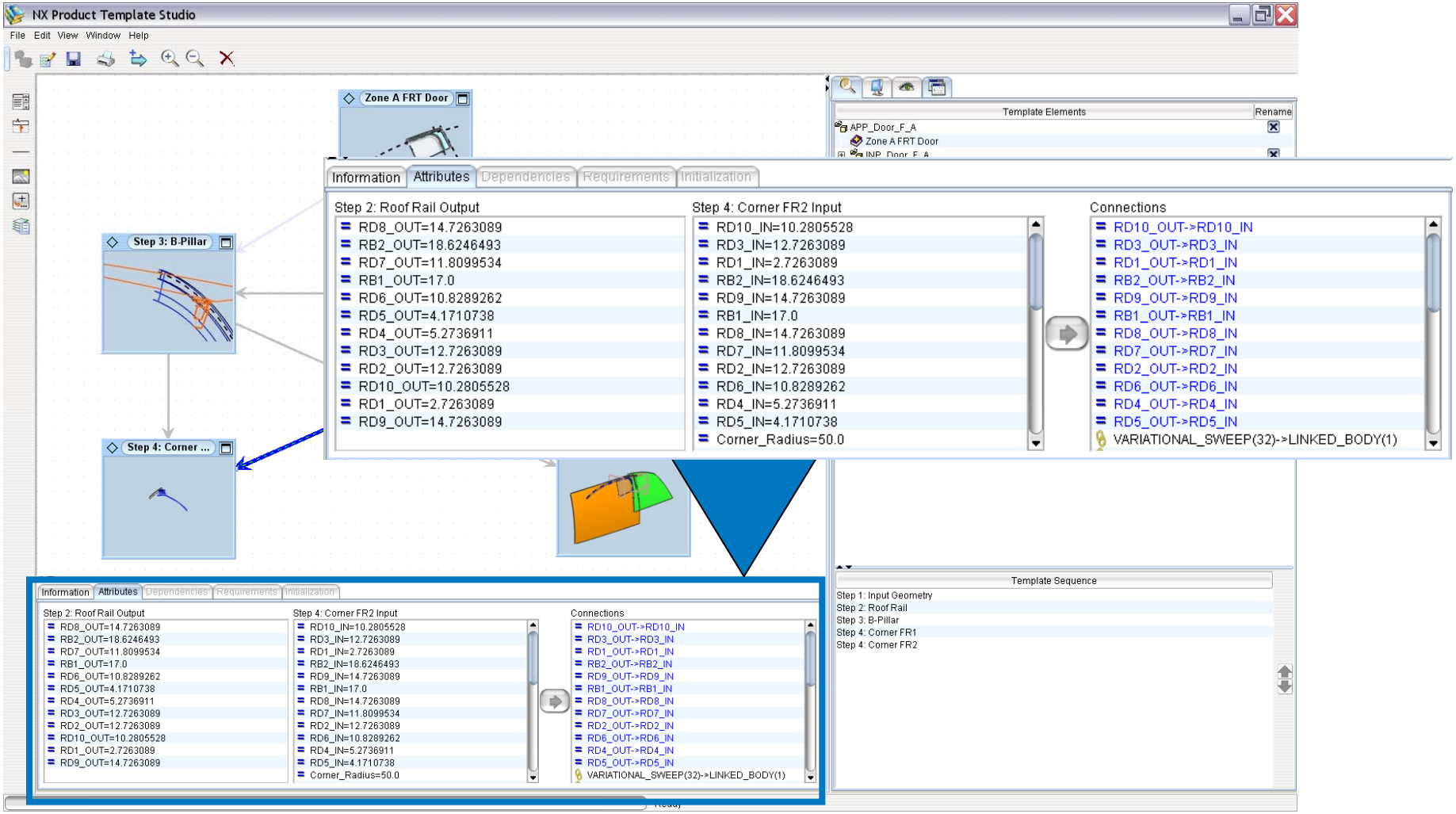
Automatic reparenting of WAVE links



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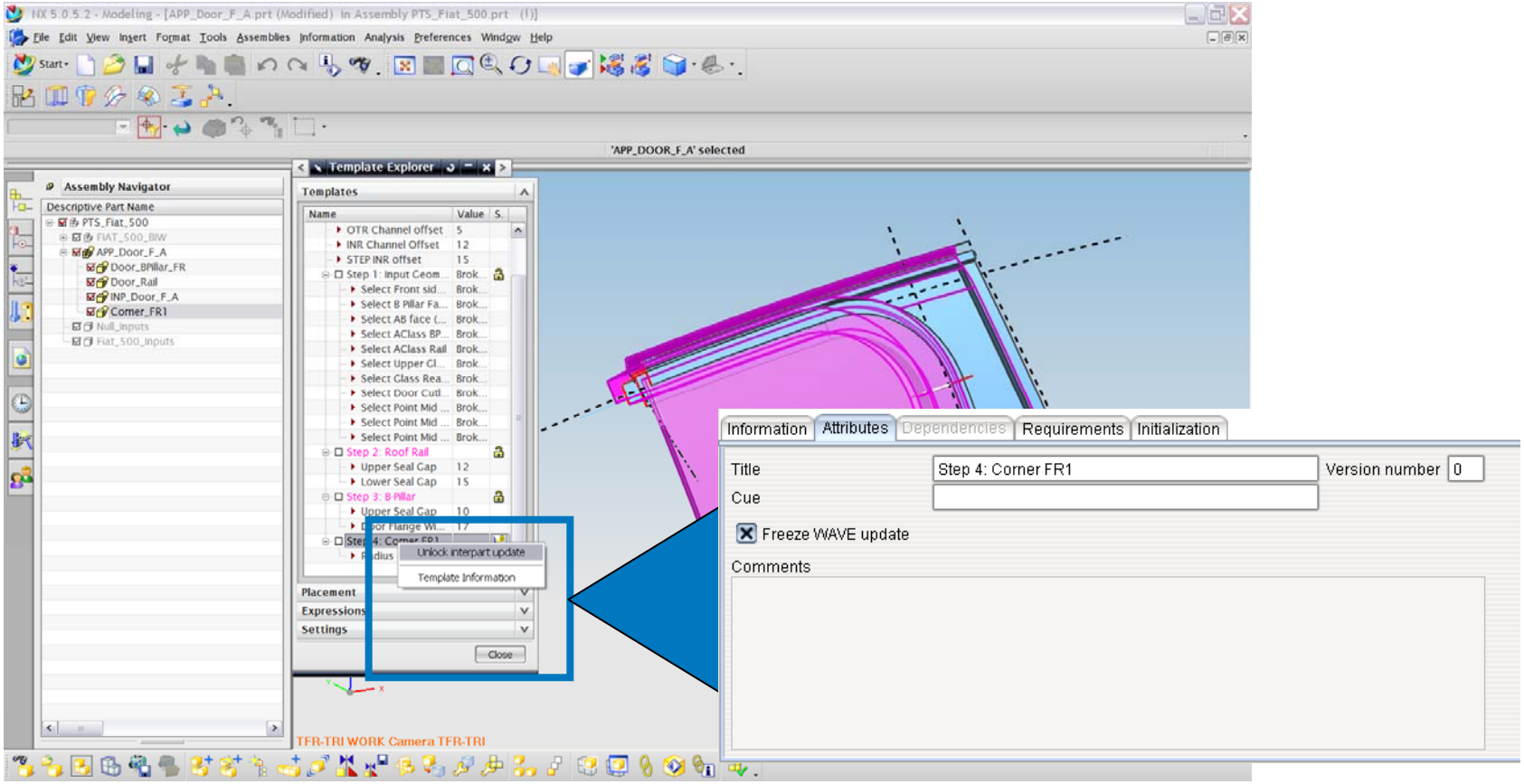
Freeze WAVE update



- Freeze WAVE update allows you to enhance the performance and usability of the product template by temporarily allowing you to freeze the WAVE links of certain components

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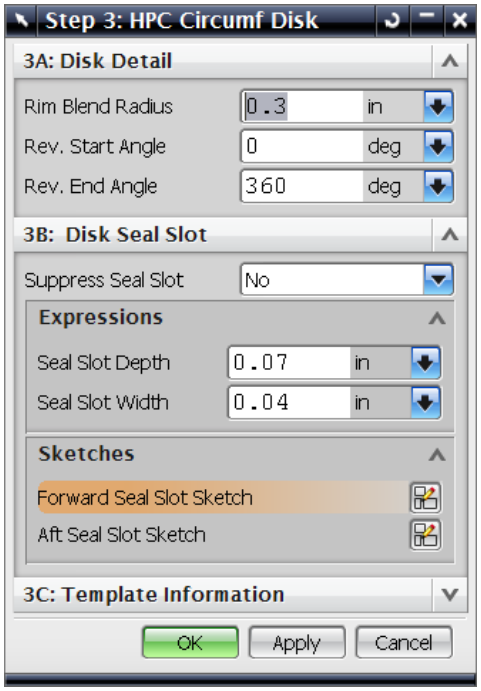
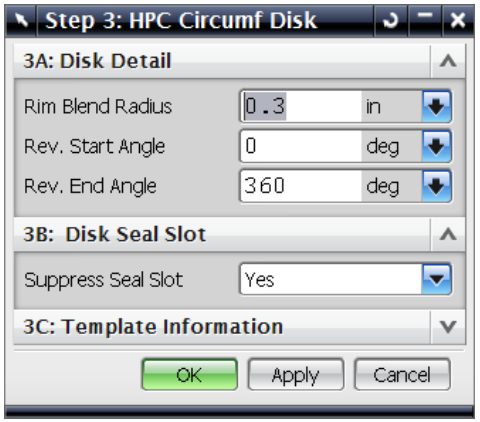
Show and hide PTS dialog widgets





- With the “dependencies” panel in the NX PTS author one can control the visibility and sensitivity of PTS UI widgets
- You can control the visibility or sensitivity status based on the suppression status of a feature or any given expression value

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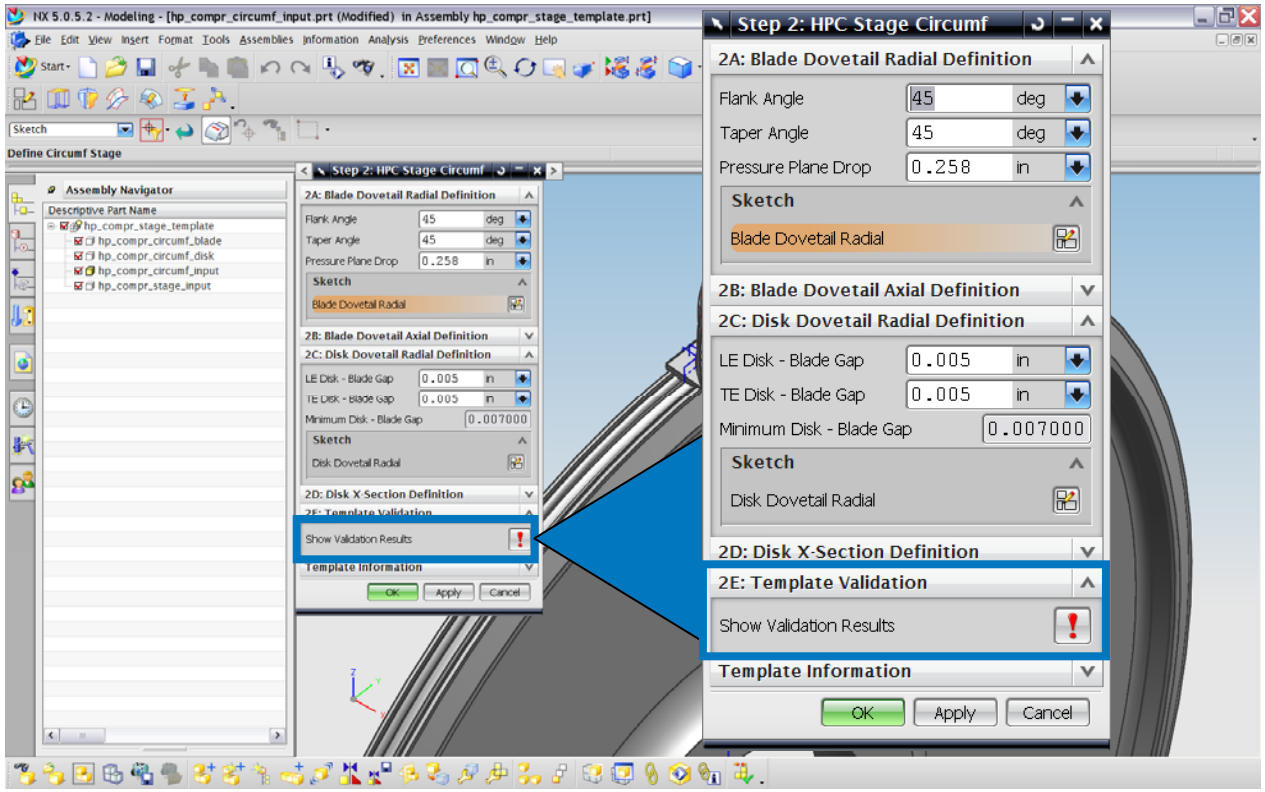
Requirements and checks



- PTS allows the user to run requirement checks and CheckMate validation checks as part of the Product Template Definition
- Results can be viewed in the PTS component dialog or Template Explorer

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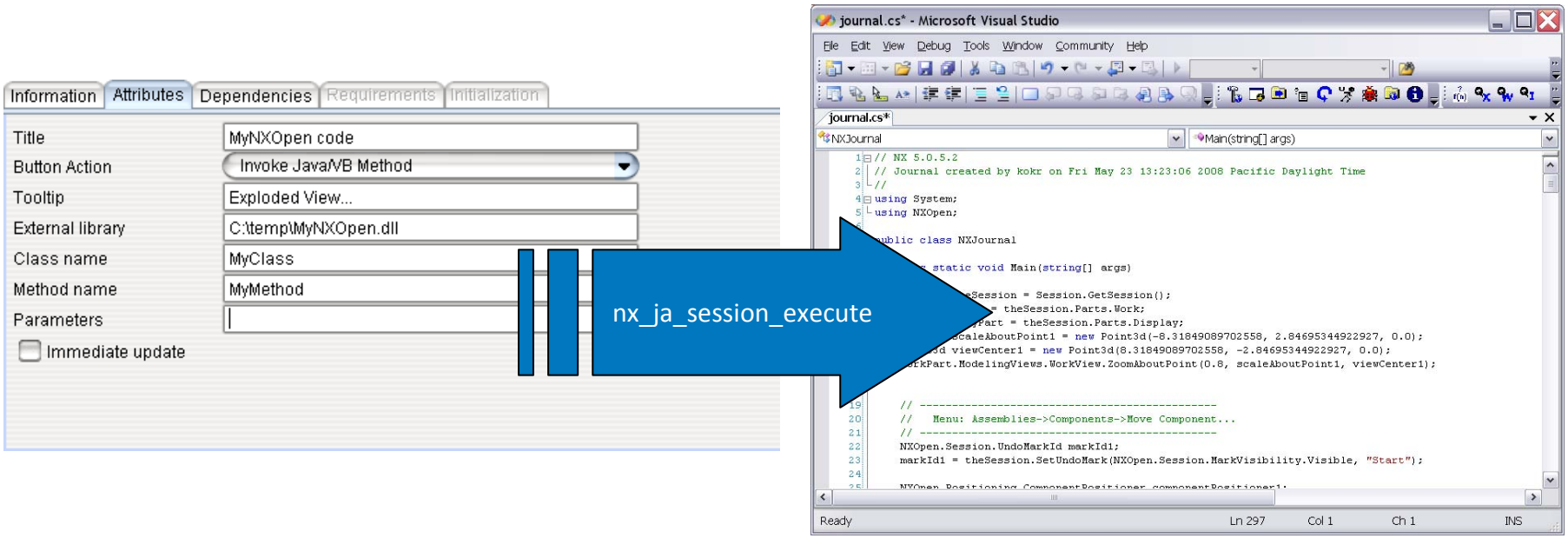
Invoke NX Open



- Same principle of calling .NET and JAVA as CFUNC for unmanaged C/C++.
- With the help of nx_ja_session_execute users will be able to call .NET and JAVA class methods.
- Data type mapping is not needed when you use nx_ja_session_execute; painful process for CFUNC as been solved for .NET and JAVA

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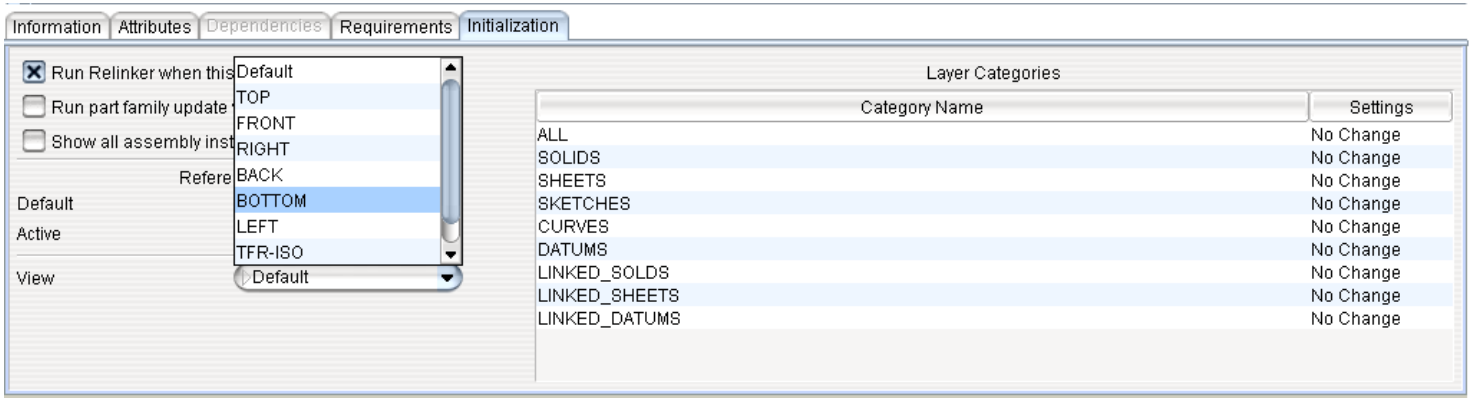
Manipulate views, reference sets and layers



- From PTS Author one can manipulate layers and views
  - **Views**, at the initialization of the dialog one can set a system or custom view in order to make it easier for end users of the template to understand which geometry they can manipulate
  - **Layers**, at the initialization of the dialog one can set the layer status
  - **Reference sets**, at the initialization of the dialog one can set the preferred reference set when the PTS template component UI is active and inactive.

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Thank you…

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