



Inventor iLogic – PDM Samples

Version | 2020.25.0.0

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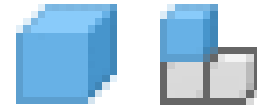
iLogic PDM | Content - Overview

- Collection of Rule Samples Saving Meta Data or Design Data in iProperties for
 - Parts, Sheet Metal Parts
 - Assemblies, Weldments
 - Drawings
- Snippet¹ Library

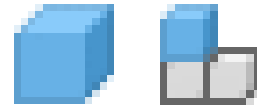
iLogic PDM | Content 1/2

Rule Samples

- *BOMTypeToProp*



- *Dimensions*



- *PhysProp*



- *ScaleAndSheet*



- *SetMaterialToCustomProp*



- *UidToProp*



- *UpdateCopiedModelProps*



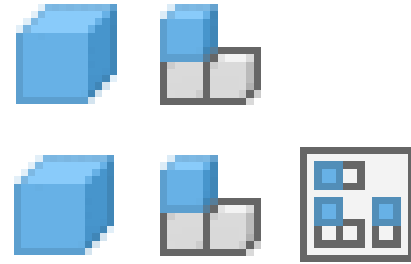
Task(s)

- Capture BOM type
- Capture bounding or cut dimensions
- Physical properties
 - Mass, material, raw material
- Sheet size and main scale
- Activate material PDM -> CAD
- Capture unique ID for sibling detection
- Transfer model properties to IDW/DWG

iLogic PDM | Content 2/2

Rule Samples

- *HasMBD*
- *RemoveOleLinkFiles*

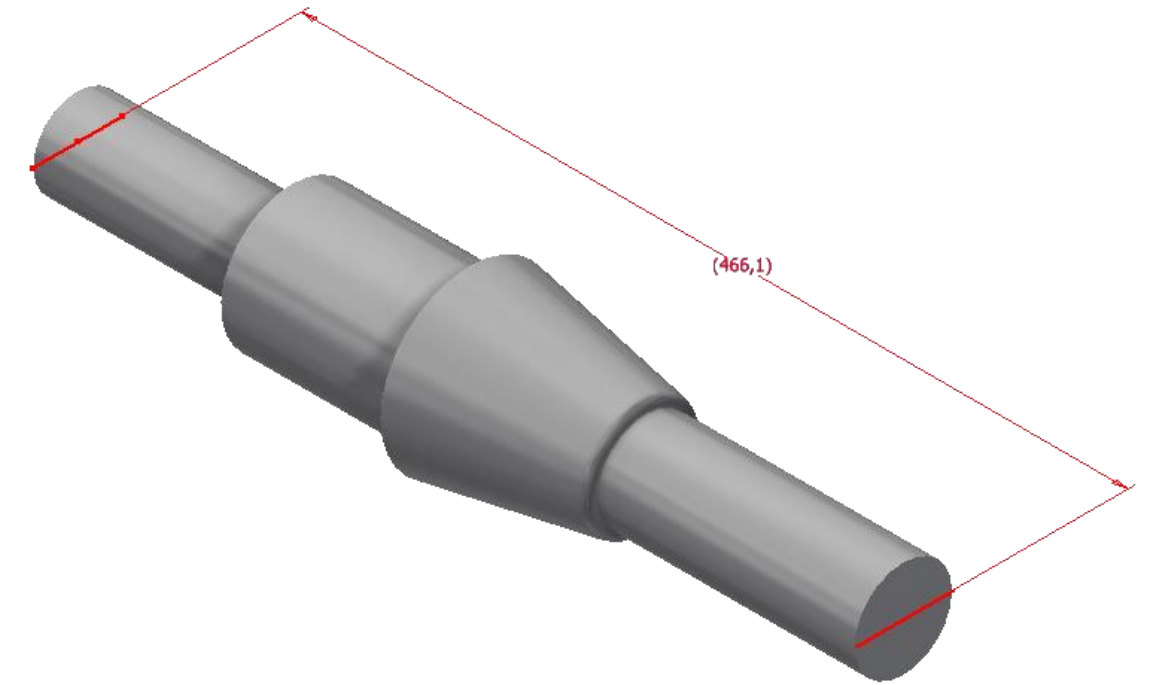


Task(s)

- Detect 3D Annotation, Tolerancing etc.
- Removes all 3rd party linked objects

iLogic PDM | Use Case

■ Rules – *Dimensions, PhysProp*



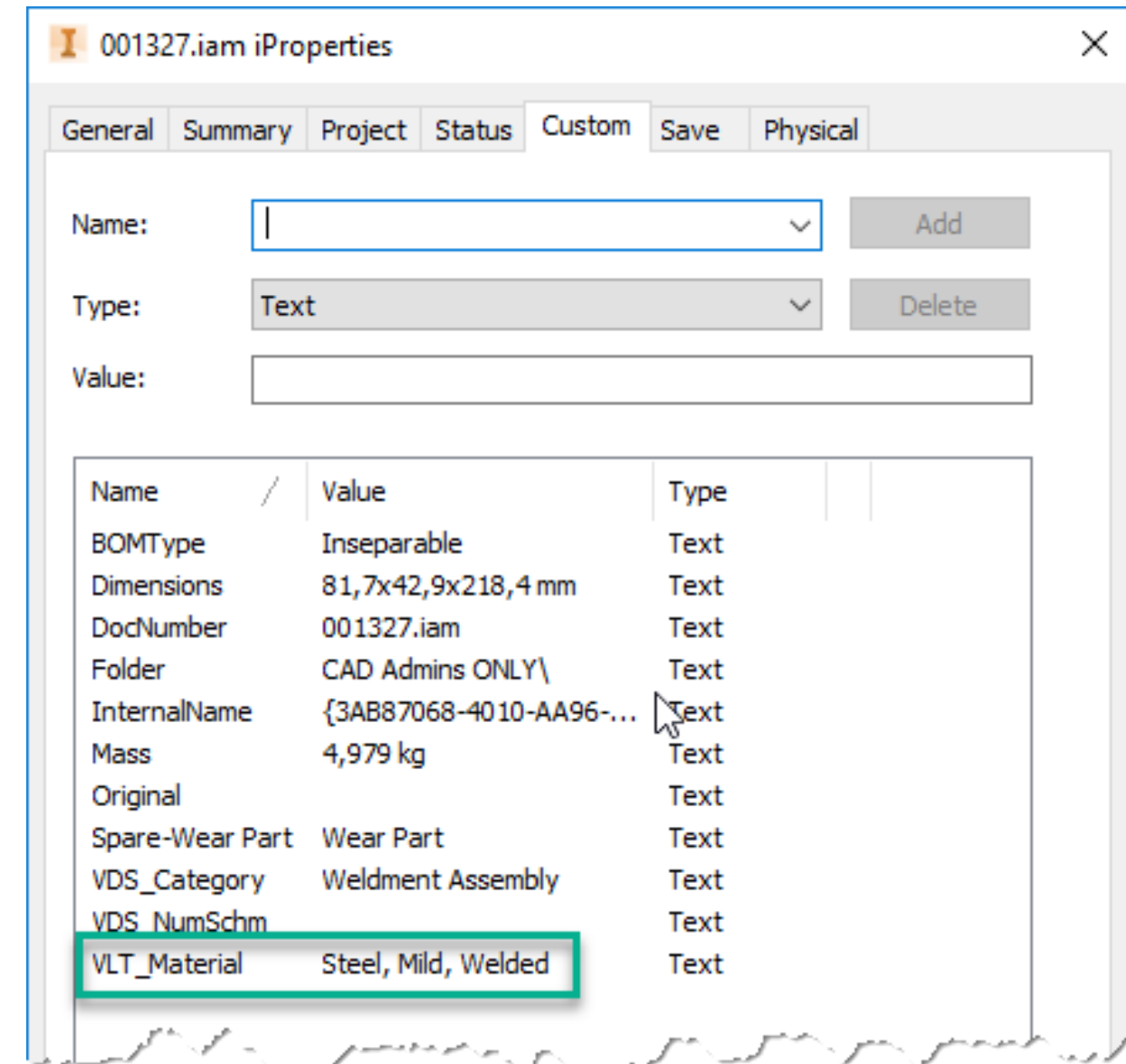
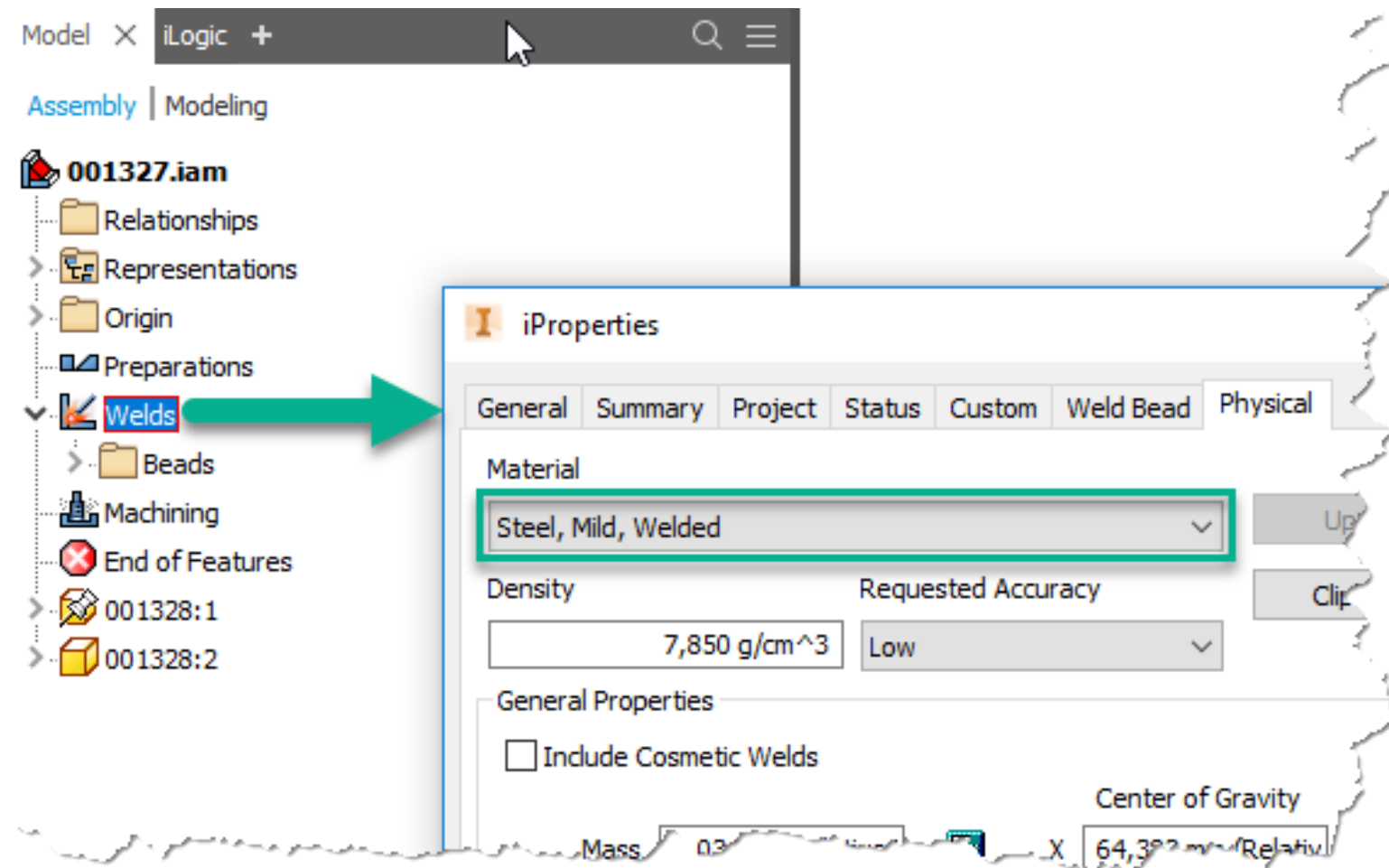
User Defined	
Application Version	2019.1 (Build 231200000, 200)
Description	SM Part for BOM Setup an...
Diam./Thickn.	2,000 mm
Dimensions/Size	160x48x200 mm
Length (Cut)	181,5x243 mm
Mass	0,674 kg
Material	1.0330 DC01
Part Number	001434
Semi-finished	Sheet Metal Alloy Steel
Source File	
Spare-Wear Part	Spare-Part
Stock Number	EN 1031 1.0330 DC01
Title	SM Sample for Rivet Conne...

- Sheet Thickness
- Size Bounding Box Folded Part
- Flat Pattern Size

Mass and Unit

iLogic PDM | Use Case

- Weldment – Capturing Material of Weld Beads
- Rule - *PhysProp*



iLogic PDM | Use Case

- 3D Model Documentation – Capture 3D Annotation, Dimensions, Tolerances
- Rule *HasMBD*

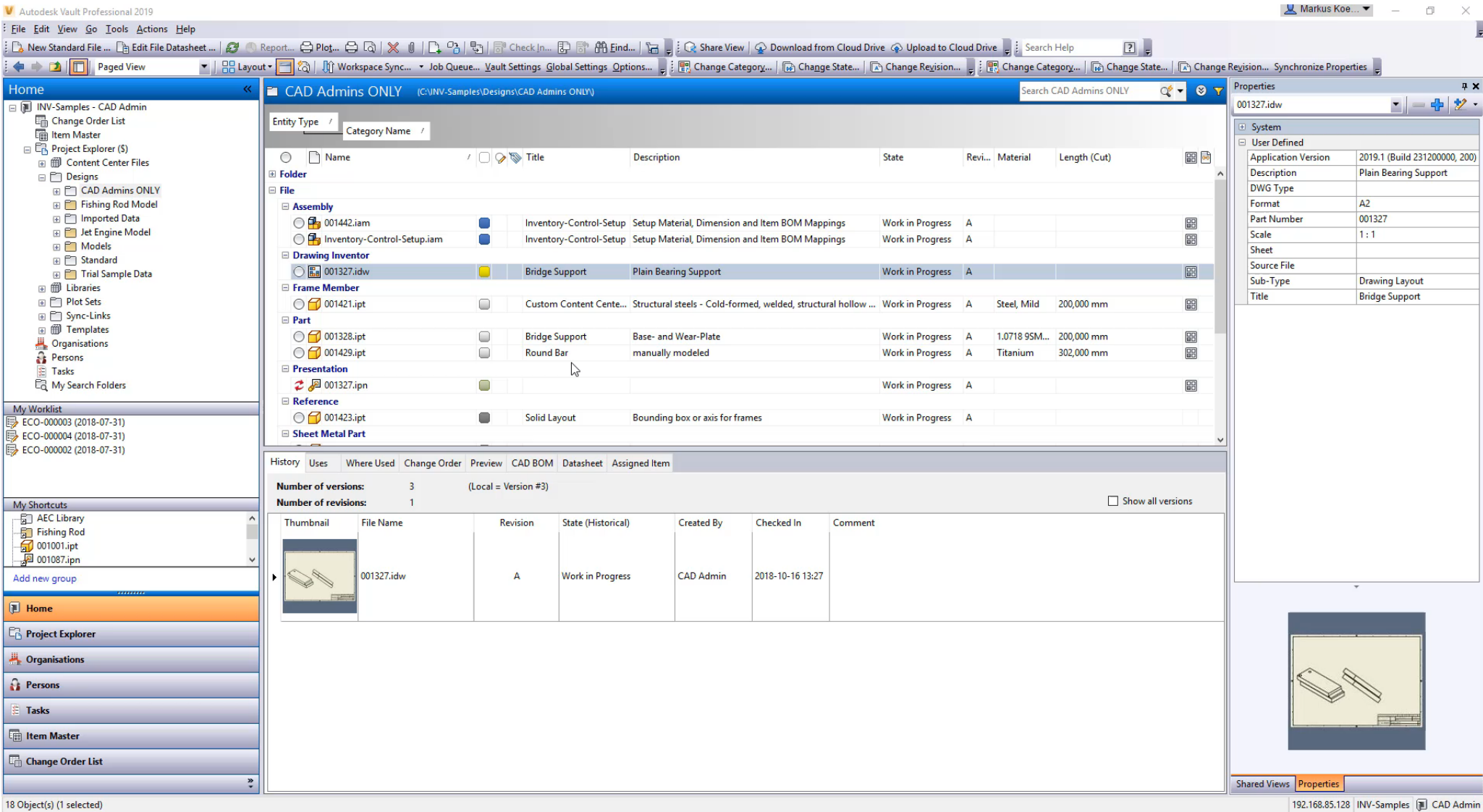
The screenshot shows the '3D Annotation (Search Results)' window in iLogic PDM. The window title bar indicates the path: (C:\INV-Samples\Designs\Inventor Sample Data\Models\3D Annotation\). The table below lists search results with columns for Entity Type, Name, Category, MBD status, Title, Description, and State.

Entity Type	Name	Categ...	MBD	Title	Description	State
Folder						
File						
<input type="radio"/>	CHUCK JAW BASE LH.idw	Drawi...	<input type="checkbox"/>	CHUCK JAW BASE RH	Model Annotations Sample	Work in
<input type="radio"/>	CHUCK JAW BASE LH.ipt	Part	<input checked="" type="checkbox"/>	CHUCK JAW BASE RH		Work in
<input type="radio"/>	CHUCK JAW BASE RH.ipt	Part	<input checked="" type="checkbox"/>	CHUCK JAW BASE RH		Work in
<input type="radio"/>	Progressive Profile Examl...	Part	<input checked="" type="checkbox"/>	Progressive Profile Example - 3DA	MDB Sample File	Work in
<input type="radio"/>	Progressive Profile Examl...	Other	<input checked="" type="checkbox"/>	Progressive Profile Example - 3DA	MDB Sample File	

A green box highlights the 'Has Drawing' rule icon in the MBD column. A yellow box highlights the 'Has Drawing' rule icon in the MBD column. A green callout bubble points to the green box with the text 'Vault 2020 default'. A yellow callout bubble points to the yellow box with the text 'iLogic PDM Rule and Mapping'.

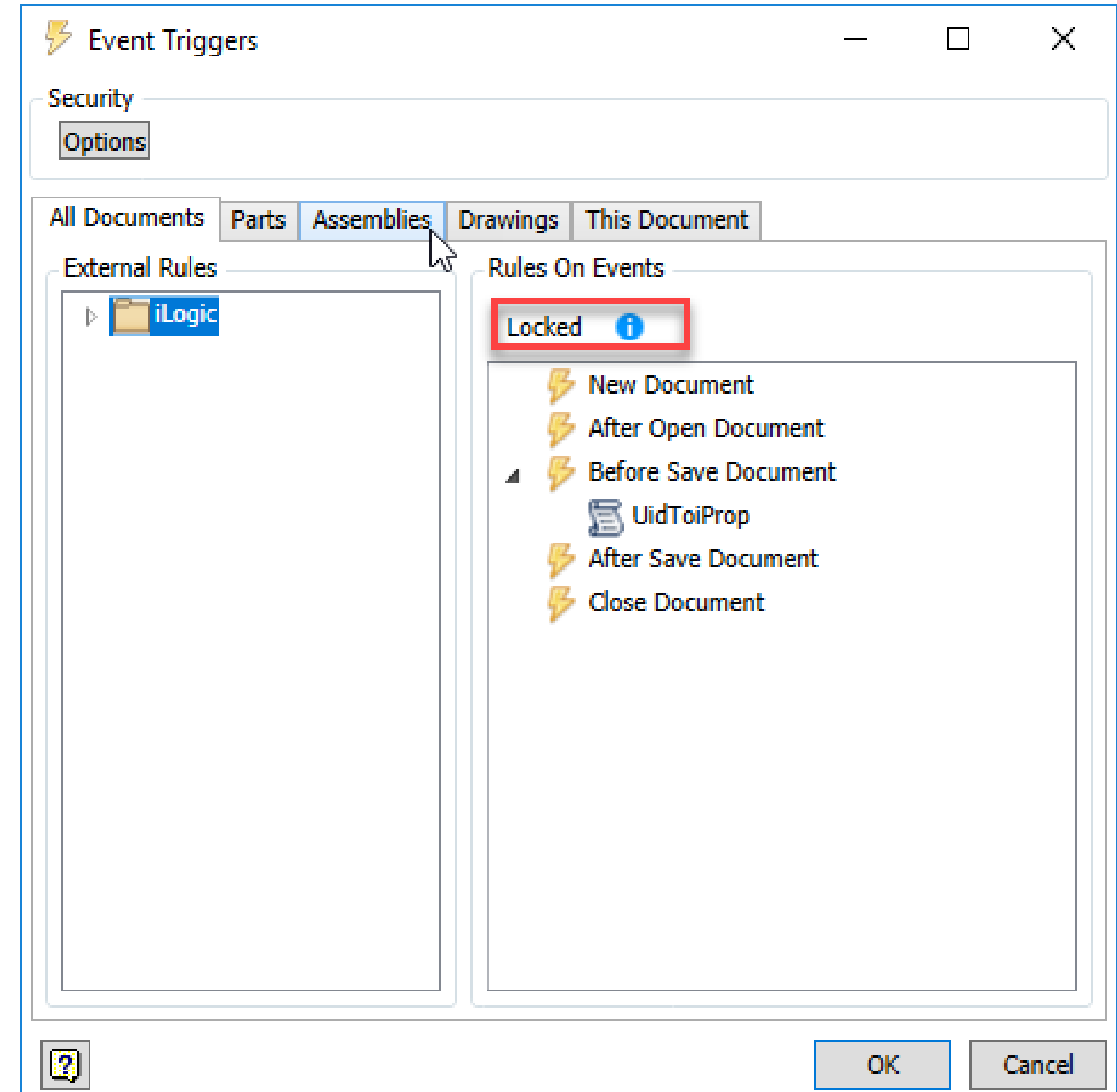
iLogic PDM | Use Case

- Rule - *SetMaterialToCustomProp*



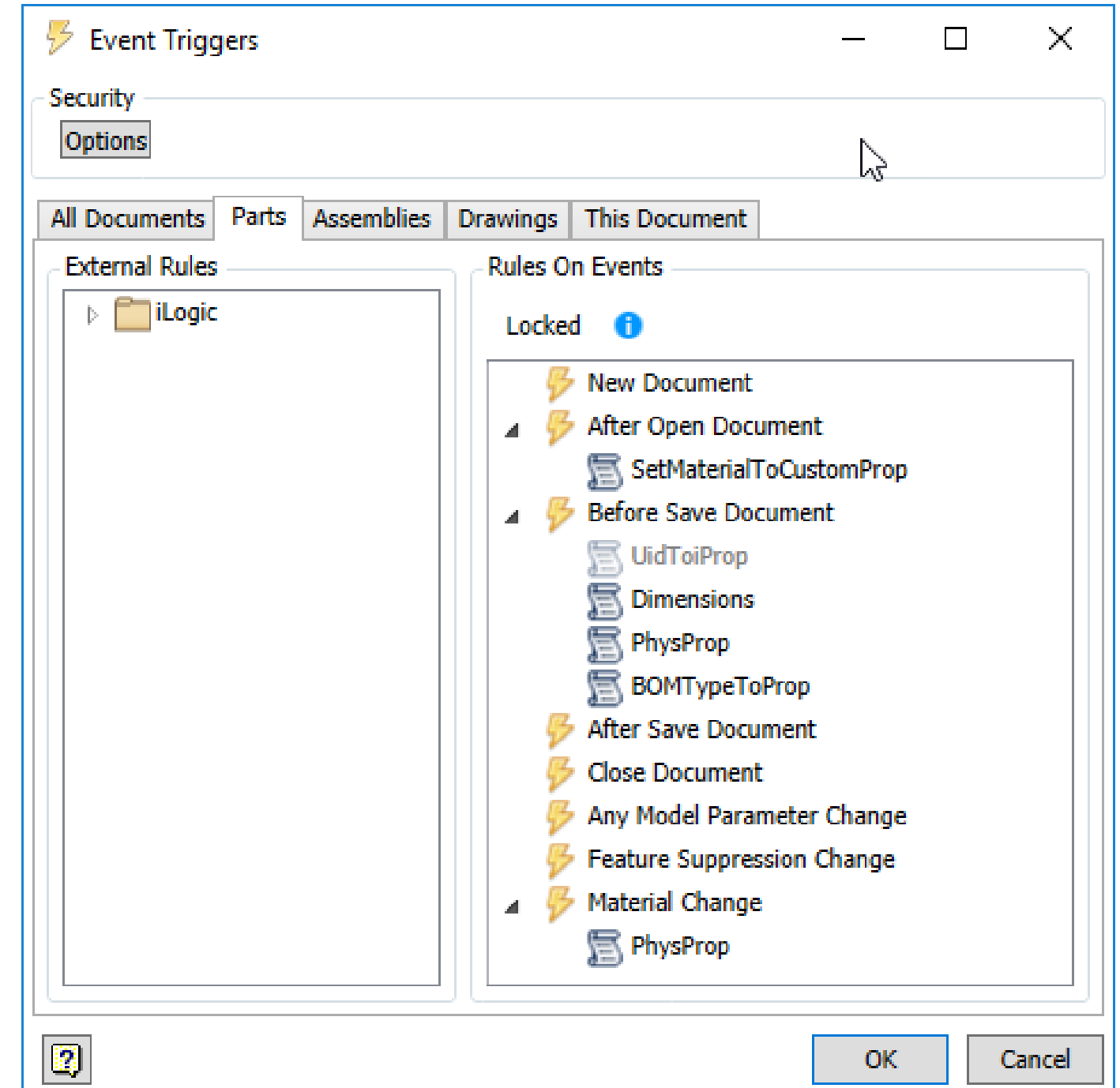
iLogic PDM | Rule Validity

- Manage Settings File in Vault
 - Event Trigger Options
- Event Trigger Rules – Document Assignments



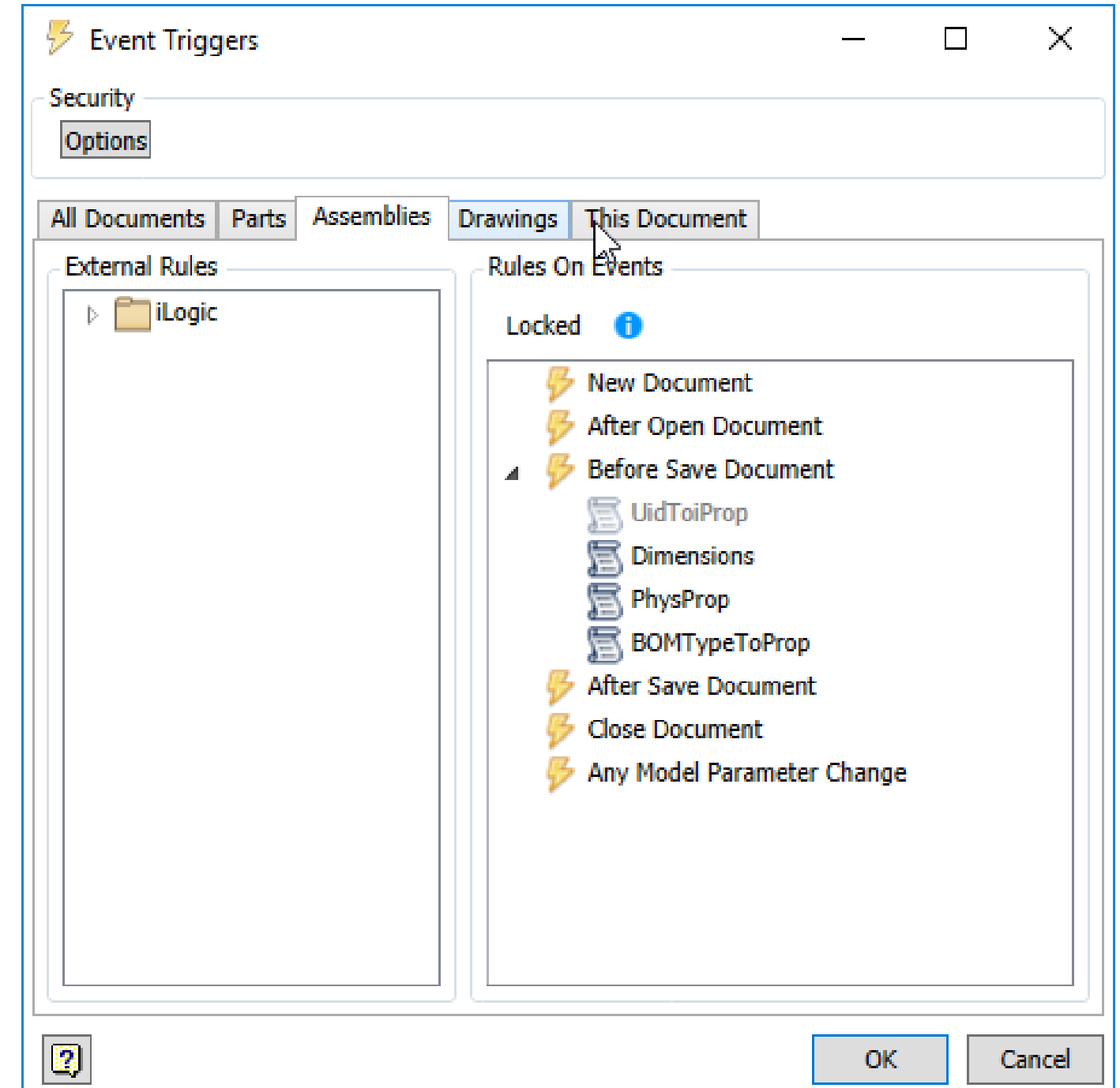
iLogic PDM | Rule Validity - Parts

- Differentiation Within Rules For
 - Part | Sheet Metal Part
 - Round-, Square-, Profile-Bars
- Content Center Files
- User Library
- ReadOnly Mode



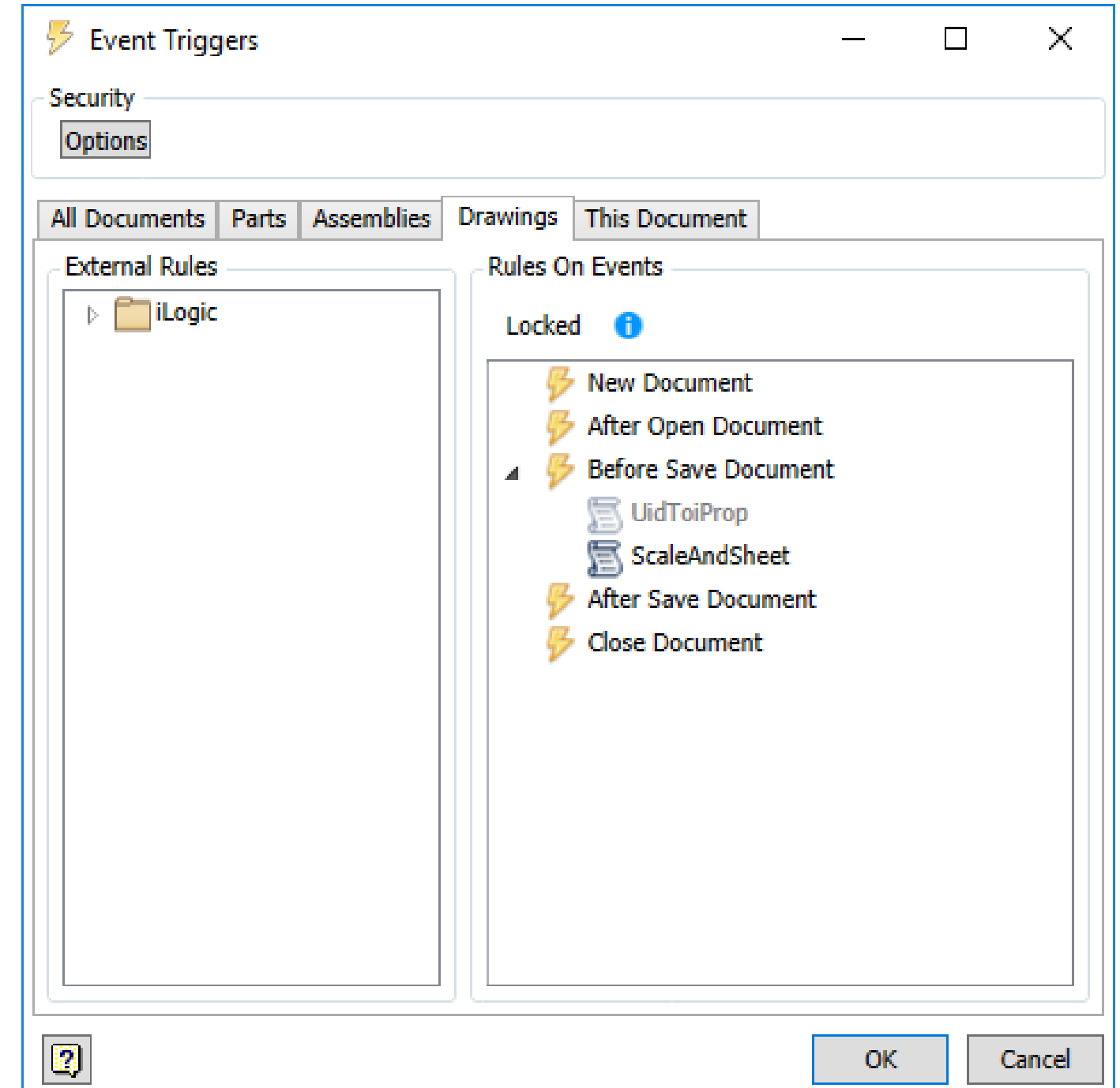
iLogic PDM | Rule Validity - Assemblies

- Differentiation Within Rules For
 - Assembly | Weldment
 - User Library
 - ReadOnly Mode



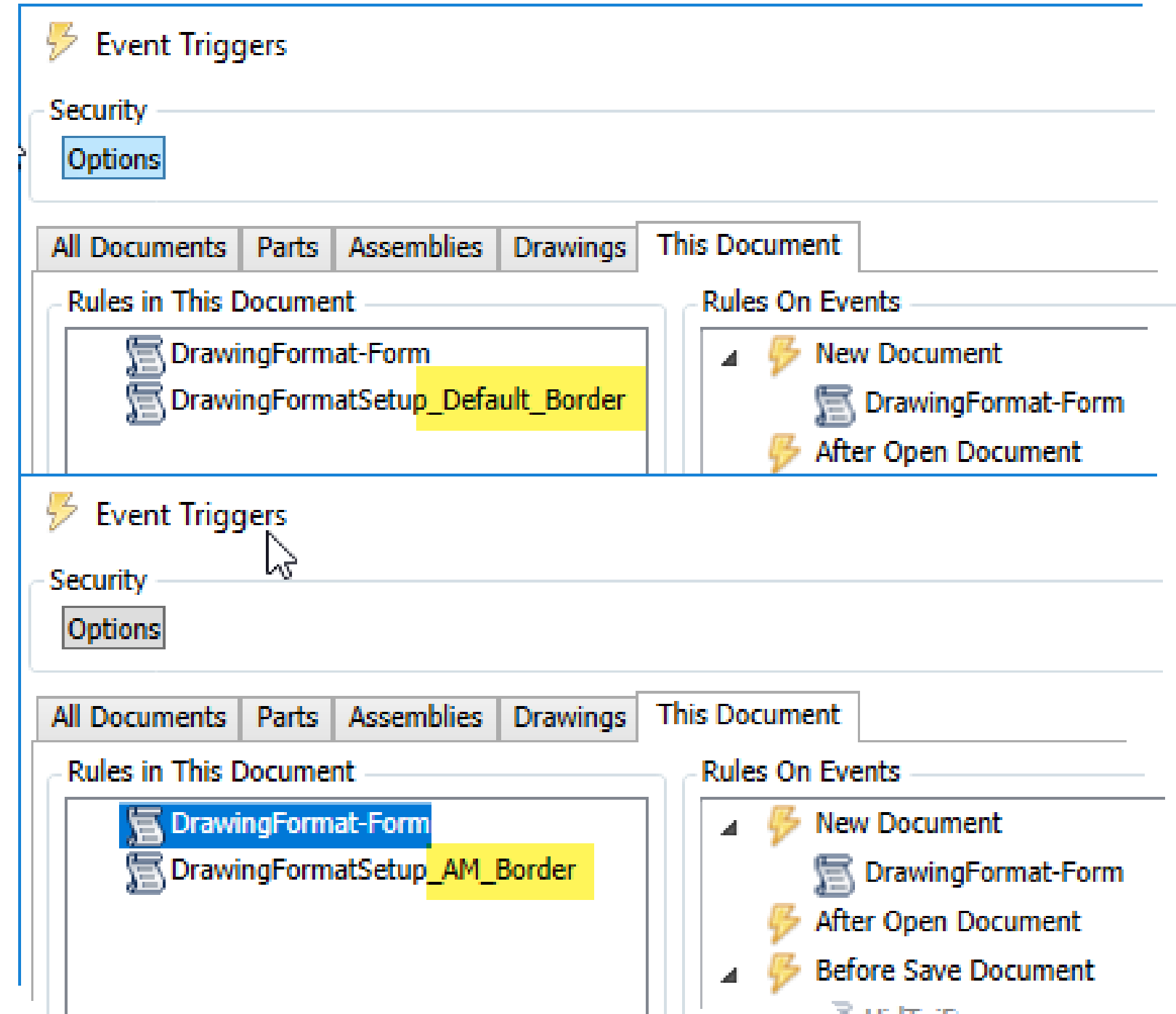
iLogic PDM | Rule Validity – Drawings

- Differentiation within Rules
 - None



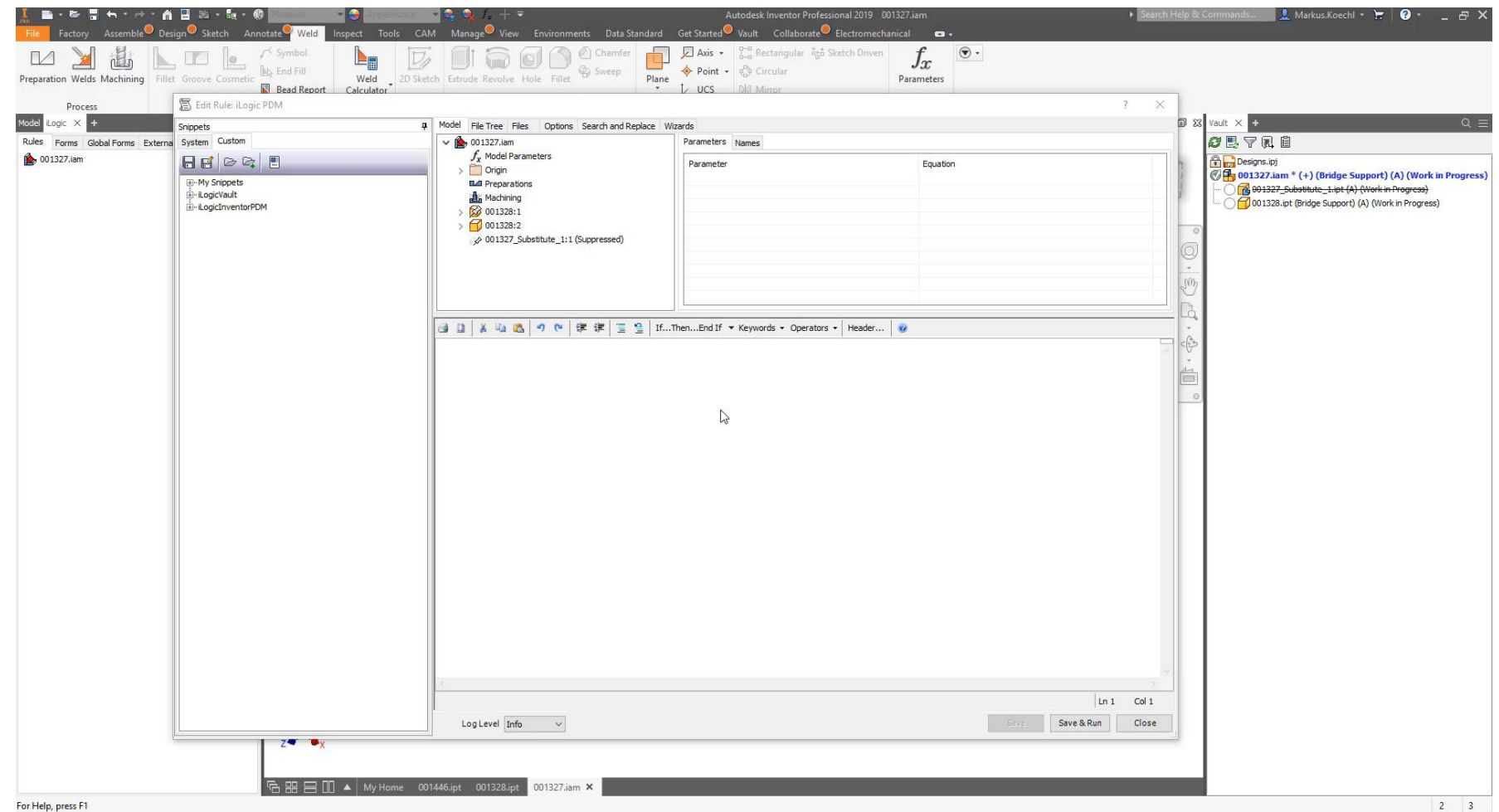
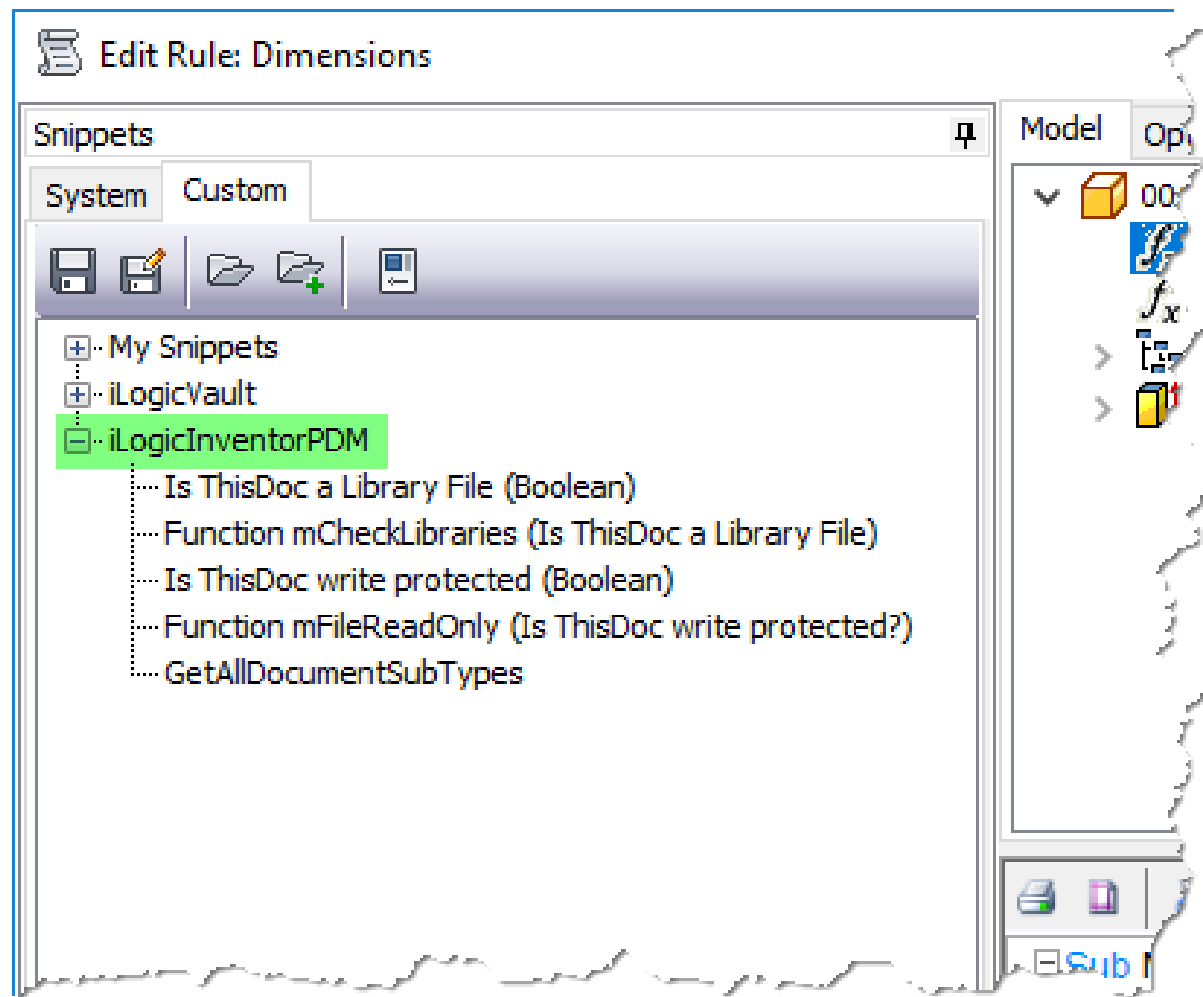
iLogic PDM | Rule Validity – Drawings

- Differentiate within Templates
 - Dialog, e.g. Language
 - Drawing Border Type



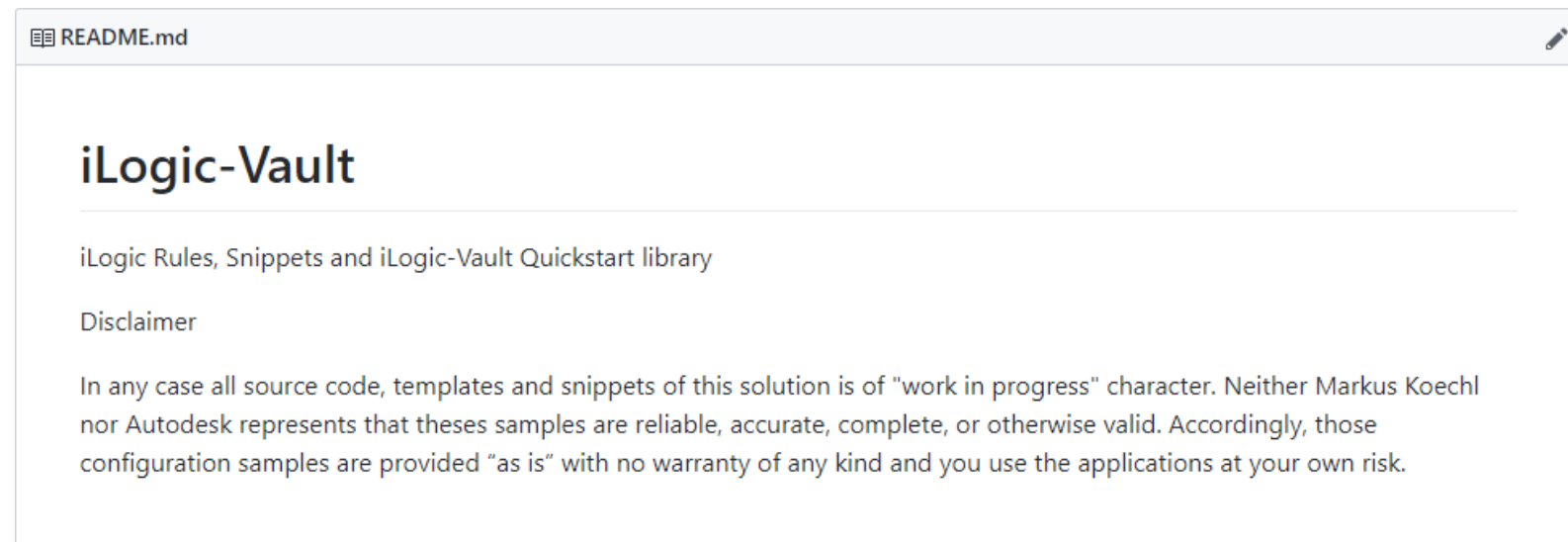
iLogic PDM | Snippets

■ Methods and Method Calls for „PDM“ Rules



iLogic PDM | Availability

■ [ReadMe](#)



■ [Download](#)



iLogic-PDM.zip

iLogic PDM | Installation

- Configure Inventor iLogic
- Copy sample rules to external rule directory
- Merge snippet library
 - UserSnippets_iLogicPDM.xml

