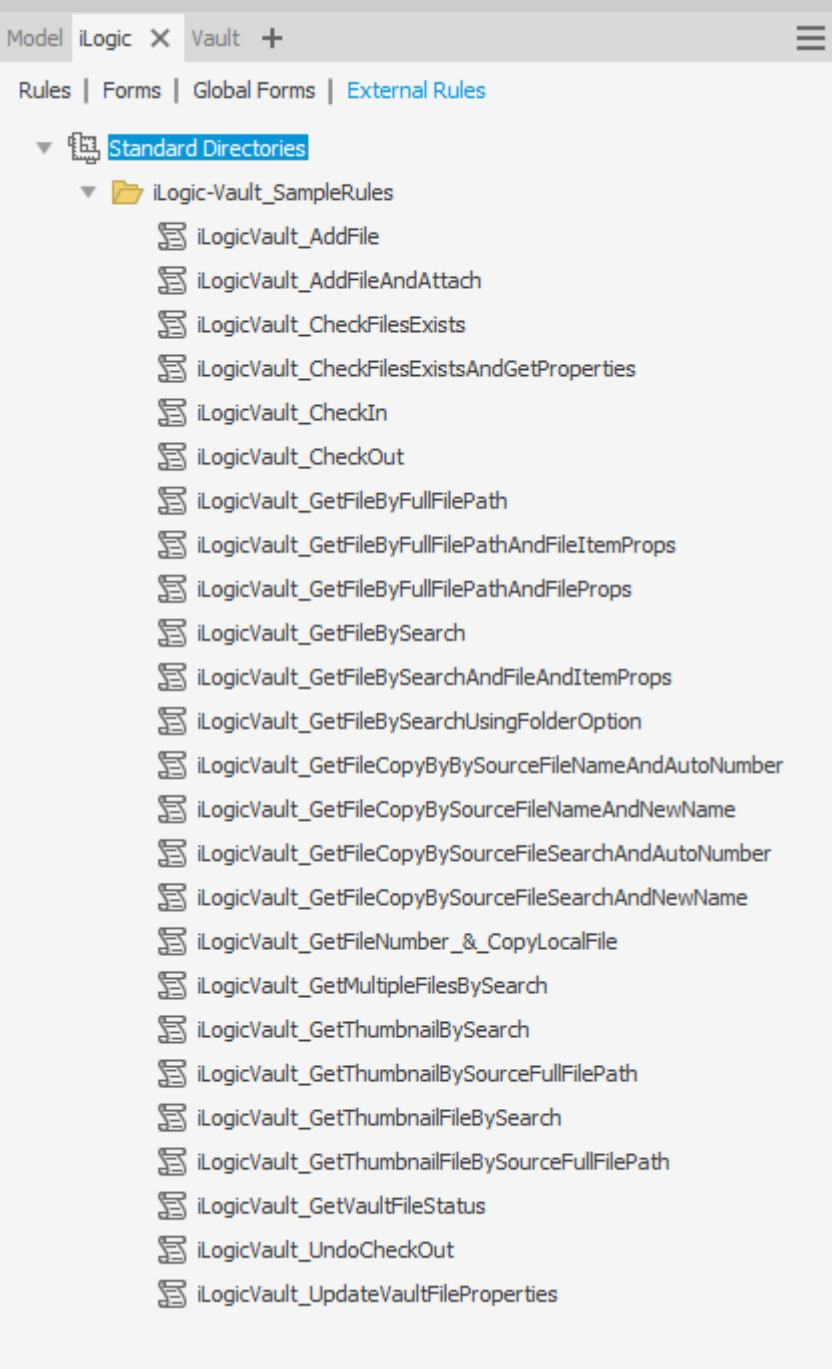




Autodesk Inventor 2024 iLogic-Vault Sample Rules

Readme



Agenda

Sample Rules

- Downloads
 - Inventor sample files
 - iLogic-Vault sample rules
- Setup
 - Inventor iLogic | sample rules
 - Adding Inventor sample files to Vault Professional
- Review and run iLogic-Vault sample rules

Downloads

Inventor Sample Files

- Fishing Rod Model
 - Fishing_Rod.zip
- iLogic-Vault Sample Rules
 - iLogic-Vault_SampleRules.zip

Inventor Sample Files

Autodesk Support

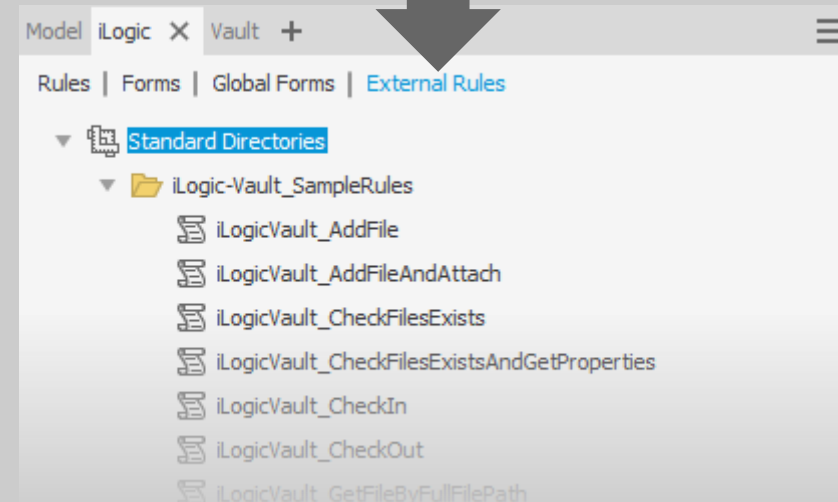
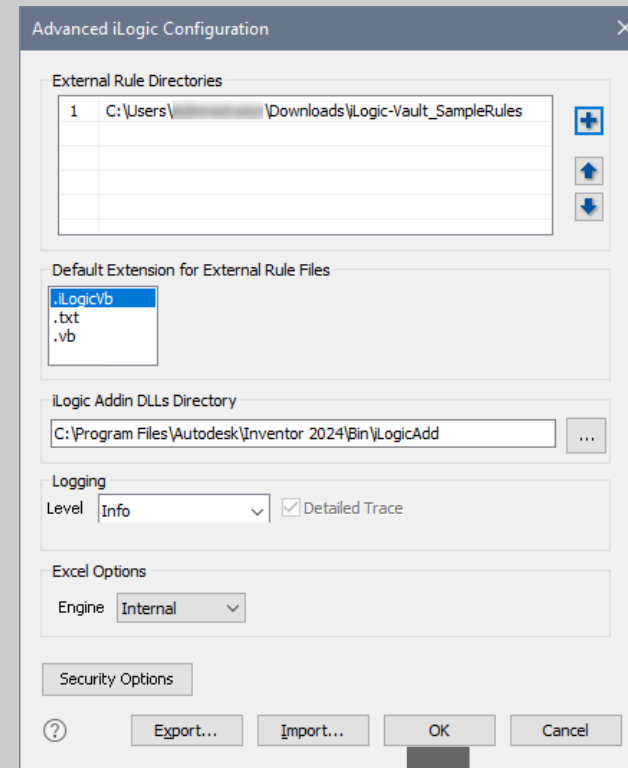
Feb 18, 2022

Download these sample files to explore Autodesk® Inventor® software functionality.

Setup iLogic

Sample rules

- Download and extract the sample rules to a folder of your choice
- Add this folder to Inventor iLogic Advanced Configuration

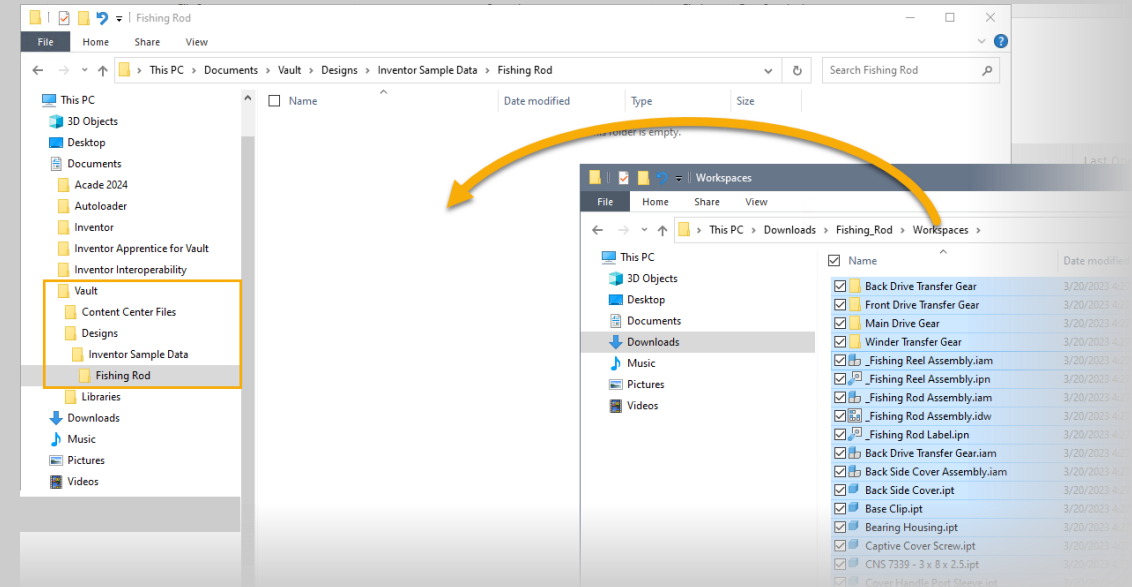
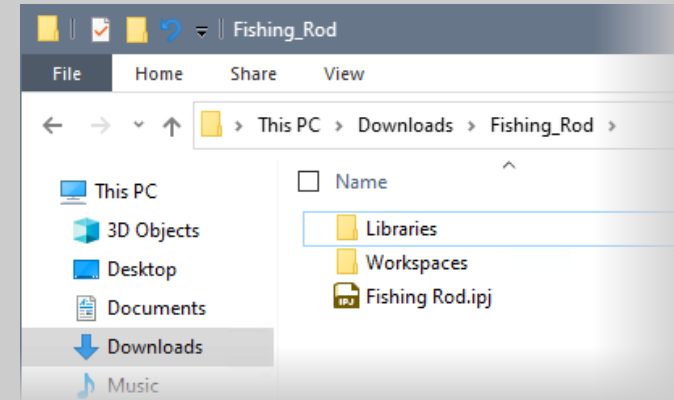


Setup Vault

Import sample model

1. Download and extract the Fishing_Rod model to a folder of your choice
2. Move the files into your Vault working folder structure
 - Content Center Files
 - **Designs\Inventor Sample Data\Fishing Rod**

Creating the path as shown is highly recommended, as it is referenced within several iLogic rules!

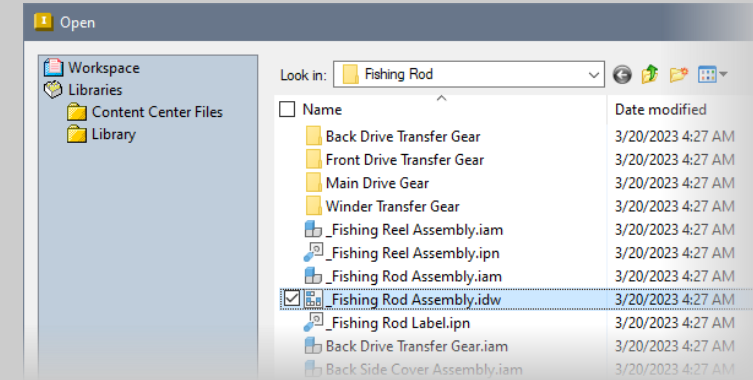
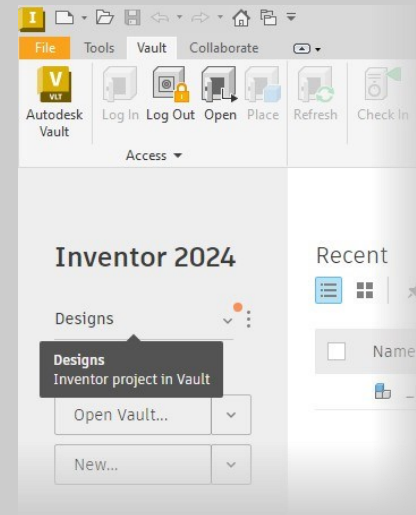


Setup Vault

Import sample model

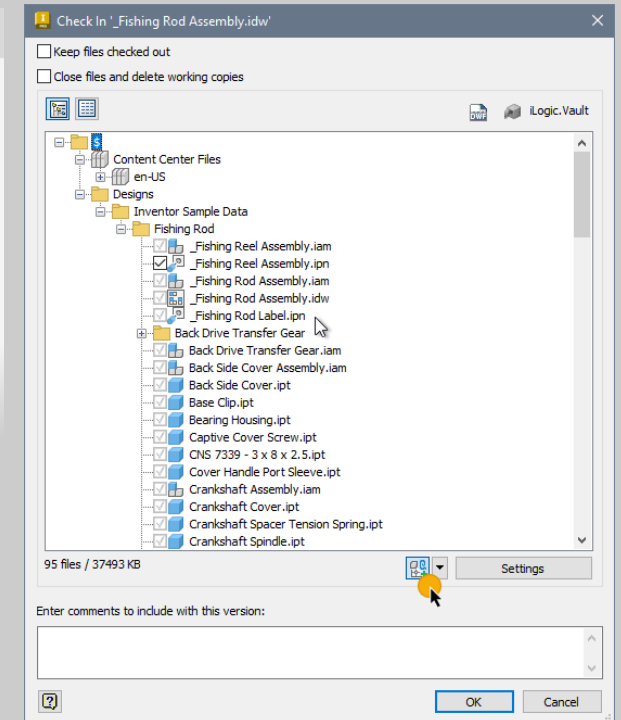
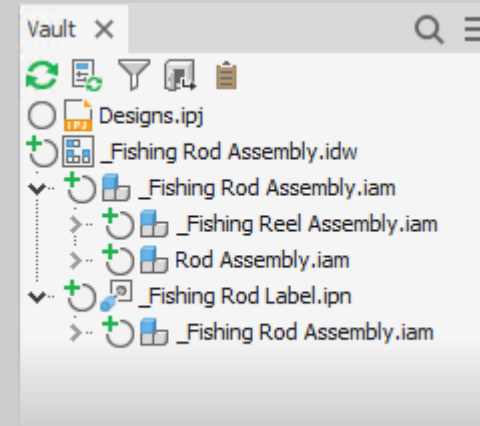
3. Open the file “_Fishing Rod Assembly.idw”

- Consume your default Inventor-Vault project



4. Check-in

- Optionally, include related files 



Setup Vault | Result

Import sample model

- Expected Result

Home

iLogic.Vault - Administrator

Duplicates Dashboard

Change Order List

Item Master

Project Explorer (\$)

Content Center Files

Designs

Inventor Sample Data

Fishing Rod

Back Drive Transfer Gear

Front Drive Transfer Gear

Main Drive Gear

Winder Transfer Gear

Libraries

My Search Folders

Name

Part Number

Revision

State

Entity Type:Folder

Back Drive Transfer Gear

Front Drive Transfer Gear

Main Drive Gear

Winder Transfer Gear

Entity Type:File

_Fishing Reel Assembly.iam

100-02

A

Work in Progress

_Fishing Reel Assembly.ipn

_Fishing Reel Assembly

A

Work in Progress

_Fishing Rod Assembly.iam

_Fishing Rod Assembly

A

Work in Progress

_Fishing Rod Assembly.idw

_Fishing Rod Assembly

A

Work in Progress

_Fishing Rod Label.ipn

_Fishing Rod Label

A

Work in Progress

Back Drive Transfer Gear.iam

310-2

A

Work in Progress

Back Side Cover Assembly.iam

305-9

A

Work in Progress

Back Side Cover.ipt

407-02

A

Work in Progress

History | Uses | Where Used | Change Order | View | CAD BOM | Datasheet

Number of versions:

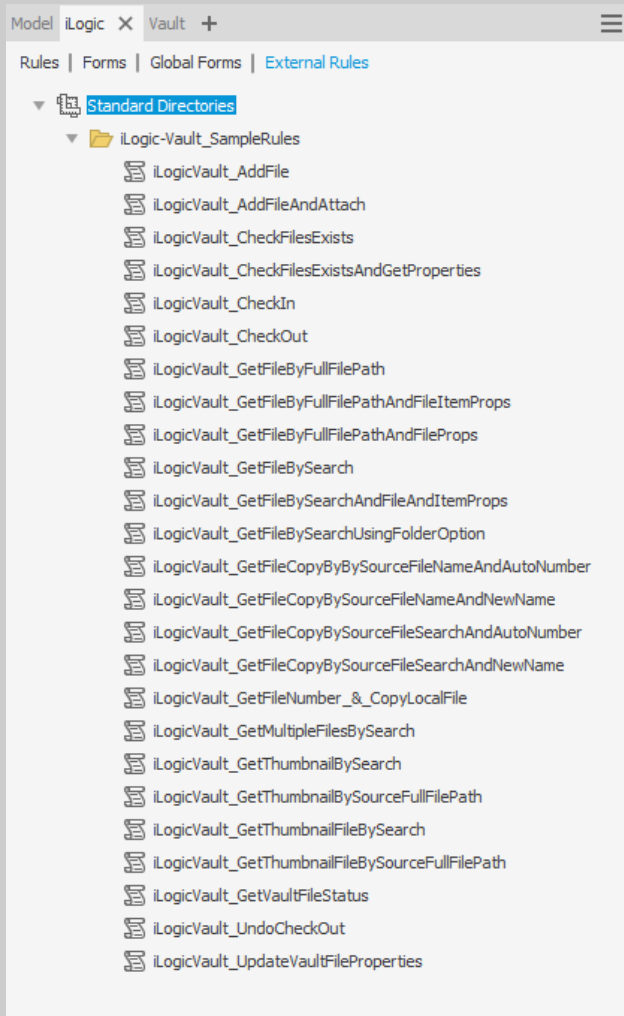
1

(Local = Version #1)

Number of revisions:

1

Thumbnail	File Name	Revision	State (Historical)	Created By
<div><div></div></div>	Back Side Cover.ipt	A	Work in Progress	Administrator



Review & Run

What can you get from each rule

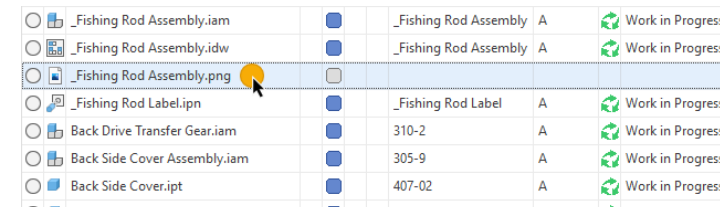
- Each rule's detail slide in this section shares
 - Description ([Subtitle](#))
 - Requirements
 - iLogicVault method consumed | Applied option(s)
 - Additional iLogicVault methods consumed/relevant for the context
 - Expected result
 - Tips
- *You can walk through the sample in any order. However, some rules make sense to have a predecessor, e.g., Check-in runs best after Check-out or GetFileNumber_&_CopyLocalFile*





















iLogicVault_AddFile

Create 3D camera view, export as *.png and upload to Vault

- **Requirement**
 - Open any part or assembly
- **Method**
 - iLogicVault.AddFile()
- **Additional methods**
 - iLogicVault.ConvertLocalPathToVaultPath()
- **Tips**
 - This rule demonstrates how to export bitmap files without an active graphics window by creating a camera object on the fly.
 - The rule uses ThisServer instead of ThisApplication and is compatible with Vault Job execution.



- **Options**
 - Update existing file in Vault = True
- **Expected result**
 - iLogic Log success info
 - Uploaded file in Vault



	_Fishing Rod Assembly.iam		_Fishing Rod Assembly	A		Work in Progress
	_Fishing Rod Assembly.idw		_Fishing Rod Assembly	A		Work in Progress
	_Fishing Rod Assembly.png					
	_Fishing Rod Label.ipn		_Fishing Rod Label	A		Work in Progress
	Back Drive Transfer Gear.iam		310-2	A		Work in Progress
	Back Side Cover Assembly.iam		305-9	A		Work in Progress
	Back Side Cover.ipt		407-02	A		Work in Progress

History | Uses | Where Used | Change Order | View | CAD BOM | Datasheet

number of versions: 1 (Local = Version #1)
number of revisions: 1

Thumbnail	File Name	Revision	State (Historical)	Created By	Checked In	Comment
	_Fishing Rod Assembly.png			Administrator	3/20/2023 9:10 AM	Added by iLogic Vault rule 

iLogicVault_AddFileAndAttach

Evaluate Vault Status, create 3D camera view, export as *png, upload to Vault, and attach

- **Requirement**

- Open any part or assembly

- **Method**

- iLogicVault.AddFile()

- **Additional methods**

- iLogicVault.GetVaultFileStatus()
- iLogicVault.ConvertLocalPathToVaultPath()

- **Tips**

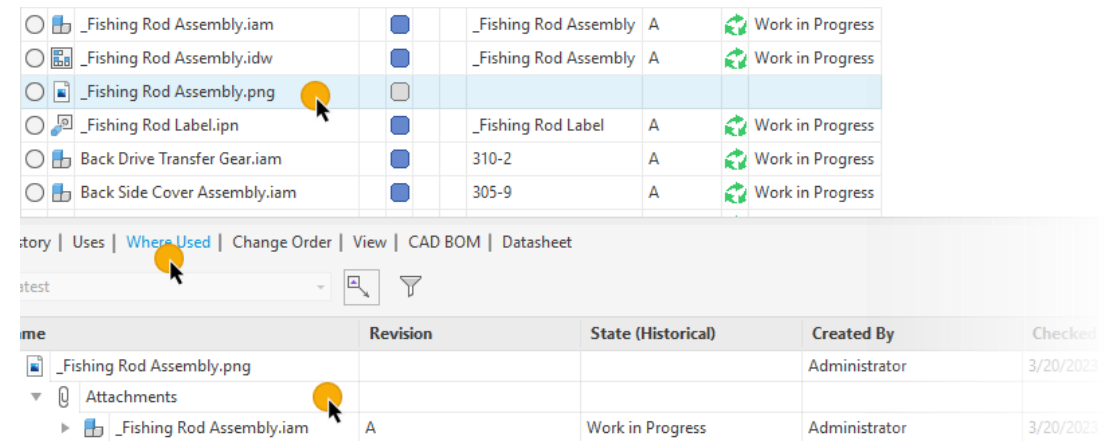
- This rule demonstrates how to export bitmap files without an active graphics window by creating a camera object on the fly.
- The rule uses ThisServer instead of ThisApplication and is compatible with Vault Job execution.

- **Options**

- Update existing file in Vault = True

- **Expected result**

- iLogic Log success info
- Uploaded file in Vault



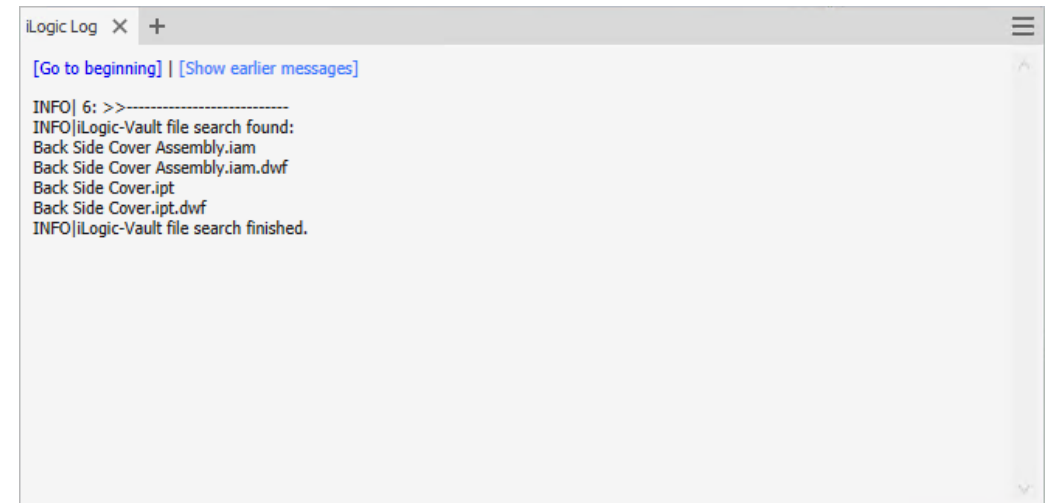
The screenshot shows the Autodesk Vault web interface. At the top, there is a table listing files in the vault. The file '_Fishing Rod Assembly.png' is highlighted with a yellow circle and a mouse cursor. Below this, there is a search bar and a filter icon. At the bottom, there is a detailed view of the selected file, showing its revision, state, and creation details.

File Name	Revision	State (Historical)	Created By	Checked
_Fishing Rod Assembly.png			Administrator	3/20/2023
Attachments				
_Fishing Rod Assembly.iam	A	Work in Progress	Administrator	3/20/2023

iLogicVault_CheckFilesExists

Search for a list of files by submitting multiple search criteria

- **Requirement**
 - Open any part or assembly
- **Method**
 - iLogicVault.CheckFilesExistBySearchCriteria()
- **Additional methods**
 - iLogicVault.GetVaultFileStatus()
 - iLogicVault.ConvertLocalPathToVaultPath()
- **Tips**
 - Apply search option “AND” by enforcing MatchAllCriteria = True
- **Options**
 - Query multiple Vault properties
 - Apply search option “OR”
- **Expected result**
 - iLogic Log success info



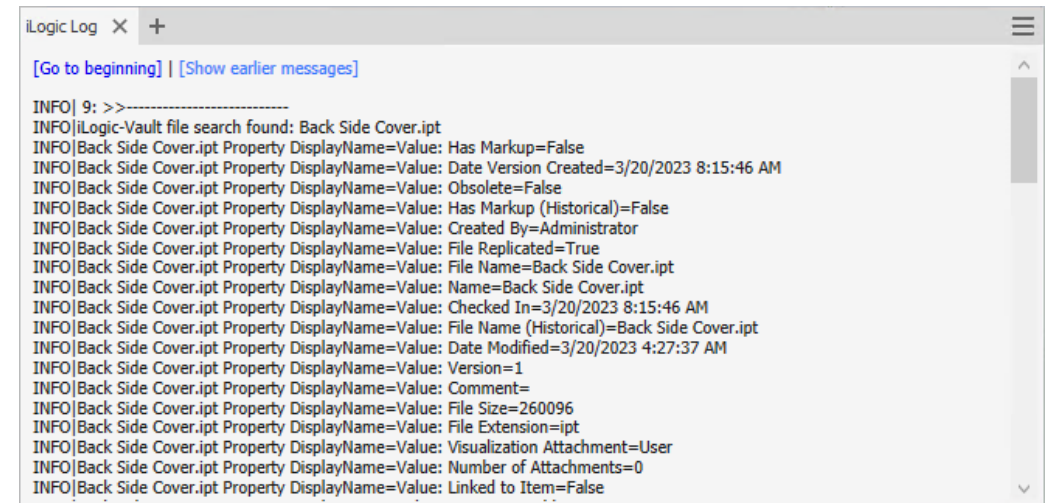
The screenshot shows the iLogic Log window with a tab labeled 'iLogic Log'. The log content includes a header with links '[Go to beginning]' and '[Show earlier messages]'. The main log text is as follows:

```
INFO| 6: >>-----  
INFO|iLogic-Vault file search found:  
Back Side Cover Assembly.iam  
Back Side Cover Assembly.iam.dwf  
Back Side Cover.ipt  
Back Side Cover.ipt.dwf  
INFO|iLogic-Vault file search finished.
```

iLogicVault_CheckFilesExistsAndGetProperties

Search for a unique file by submitting multiple search criteria and get all file properties

- **Requirement**
 - Open any part or assembly
- **Method**
 - iLogicVault.CheckFilesExistBySearchCriteria()
- **Additional methods**
 - iLogicVault.GetVaultFileStatus()
 - iLogicVault.ConvertLocalPathToVaultPath()
- **Tips**
 - Apply search option “OR” by enforcing MatchAllCriteria = False
- **Options**
 - Query multiple Vault properties
 - Apply search option “AND”
- **Expected result**
 - iLogic Log success info



```
iLogic Log X +
[Go to beginning] | [Show earlier messages]
INFO| 9: >>-----
INFO|iLogic-Vault file search found: Back Side Cover.ipt
INFO|Back Side Cover.ipt Property DisplayName=Value: Has Markup=False
INFO|Back Side Cover.ipt Property DisplayName=Value: Date Version Created=3/20/2023 8:15:46 AM
INFO|Back Side Cover.ipt Property DisplayName=Value: Obsolete=False
INFO|Back Side Cover.ipt Property DisplayName=Value: Has Markup (Historical)=False
INFO|Back Side Cover.ipt Property DisplayName=Value: Created By=Administrator
INFO|Back Side Cover.ipt Property DisplayName=Value: File Replicated=True
INFO|Back Side Cover.ipt Property DisplayName=Value: File Name=Back Side Cover.ipt
INFO|Back Side Cover.ipt Property DisplayName=Value: Name=Back Side Cover.ipt
INFO|Back Side Cover.ipt Property DisplayName=Value: Checked In=3/20/2023 8:15:46 AM
INFO|Back Side Cover.ipt Property DisplayName=Value: File Name (Historical)=Back Side Cover.ipt
INFO|Back Side Cover.ipt Property DisplayName=Value: Date Modified=3/20/2023 4:27:37 AM
INFO|Back Side Cover.ipt Property DisplayName=Value: Version=1
INFO|Back Side Cover.ipt Property DisplayName=Value: Comment=
INFO|Back Side Cover.ipt Property DisplayName=Value: File Size=260096
INFO|Back Side Cover.ipt Property DisplayName=Value: File Extension=ipt
INFO|Back Side Cover.ipt Property DisplayName=Value: Visualization Attachment=User
INFO|Back Side Cover.ipt Property DisplayName=Value: Number of Attachments=0
INFO|Back Side Cover.ipt Property DisplayName=Value: Linked to Item=False
```

iLogicVault_CheckIn

Call the Inventor user command Vault Check-in on the active document

- **Requirement**

- Active Inventor file, either checked out or not added to Vault yet

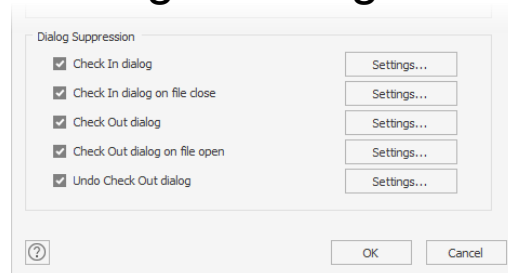
- **Method**

- --

- **Additional methods**

- **Tip**

- Suppress Vault dialogs for iLogicVault automation

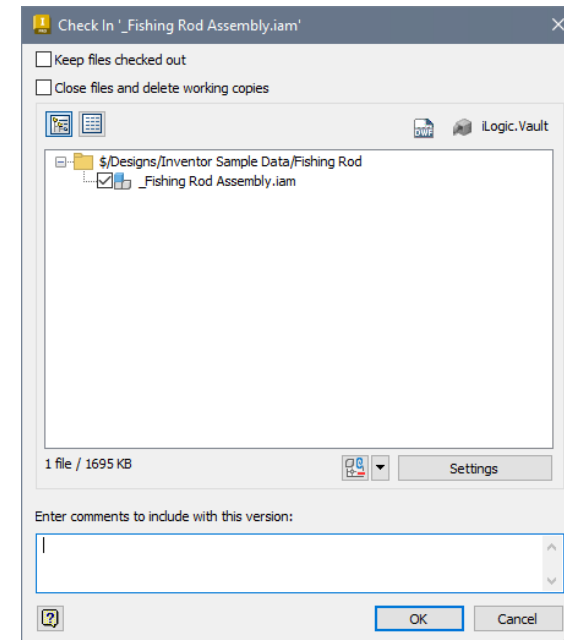


- **Options**

- --

- **Expected result**

- Active file (top node) checked-in



iLogicVault_CheckOut

Call the **Inventor user command Vault Check-out** on the active document

- **Requirement**

- Active Inventor file, checked-in to Vault

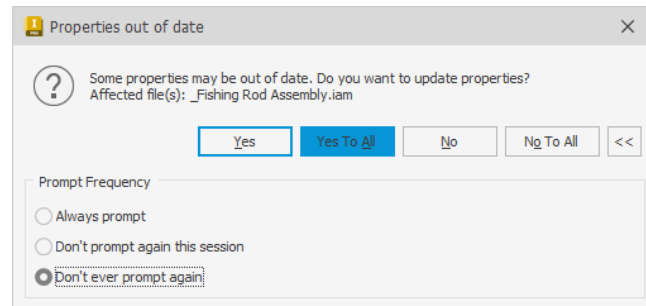
- **Method**

- --

- **Additional methods**

- **Tips**

- Suppress Vault dialogs for iLogicVault automation

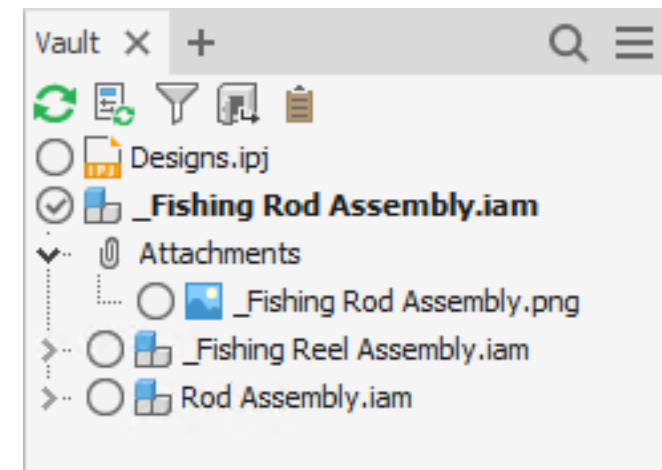


- **Options**

- --

- **Expected result**

- Check-out status of active file (top node only)



iLogicVault_GetFileByFullFilePath

Download a file from Vault submitting the full path and file name

- **Requirement**

- Active document = new file
- Empty working folder

- **Method**

- iLogicVault.GetFileByFullFilePath()

- **Additional methods**

- --

- **Tips**

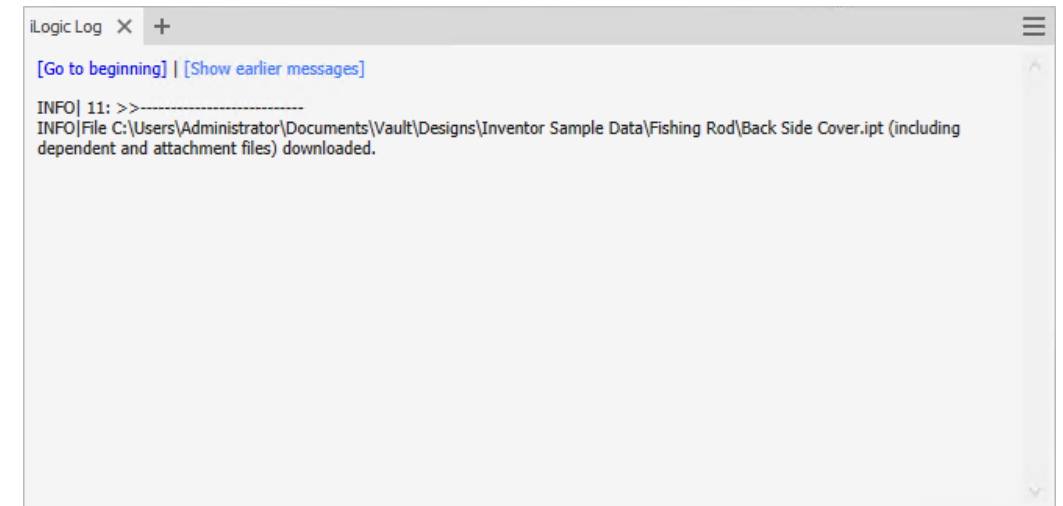
- Try the optional Checkout=True

- **Options**

- Checkout = False

- **Expected result**

- iLogic Log success info and local file



iLogicVault_GetFileByFullFilePathAndFileItemProps

Download a file, found by full path and file name, and get a list of property names/values

- **Requirement**

- Active document = new file
- Empty working folder

- **Method**

- iLogicVault.GetFileByFullFilePath()

- **Additional methods**

- --

- **Tips**

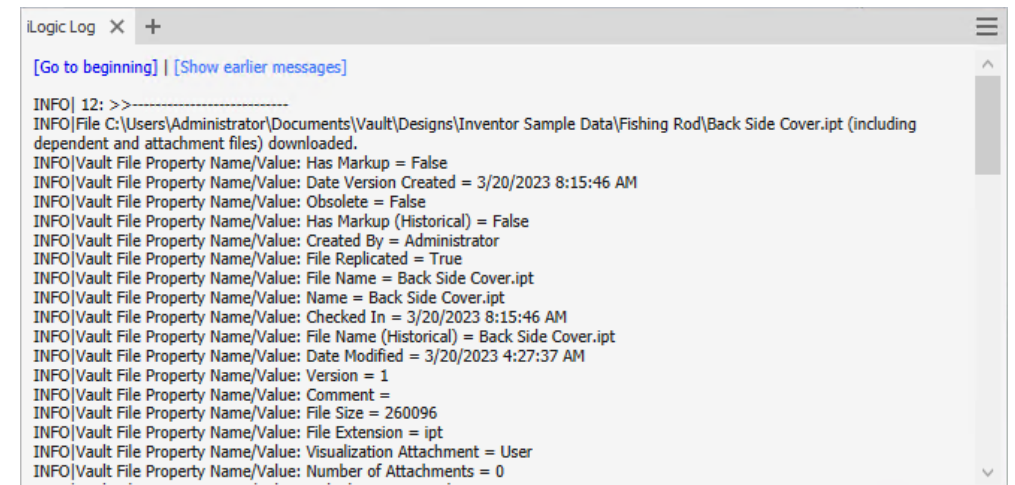
- Run the Assign/Update Item command on the given file first to get the item properties

- **Options**

- Checkout = False
- Include file and item properties

- **Expected result**

- iLogic Log success info, properties (name/values), and local file



```
iLogic Log X +
[Go to beginning] | [Show earlier messages]

INFO| 12: >>-----
INFO|File C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Back Side Cover.ipt (including
dependent and attachment files) downloaded.
INFO|Vault File Property Name/Value: Has Markup = False
INFO|Vault File Property Name/Value: Date Version Created = 3/20/2023 8:15:46 AM
INFO|Vault File Property Name/Value: Obsolete = False
INFO|Vault File Property Name/Value: Has Markup (Historical) = False
INFO|Vault File Property Name/Value: Created By = Administrator
INFO|Vault File Property Name/Value: File Replicated = True
INFO|Vault File Property Name/Value: File Name = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Name = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Checked In = 3/20/2023 8:15:46 AM
INFO|Vault File Property Name/Value: File Name (Historical) = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Date Modified = 3/20/2023 4:27:37 AM
INFO|Vault File Property Name/Value: Version = 1
INFO|Vault File Property Name/Value: Comment =
INFO|Vault File Property Name/Value: File Size = 260096
INFO|Vault File Property Name/Value: File Extension = ipt
INFO|Vault File Property Name/Value: Visualization Attachment = User
INFO|Vault File Property Name/Value: Number of Attachments = 0
```


iLogicVault_GetFileByFullFilePathAndFileProps

Download a file, found by full path and file name, and get a list of property names/values

- **Requirement**

- Active document = new file
- Empty working folder

- **Method**

- iLogicVault.GetFileByFullFilePath()

- **Additional methods**

- --

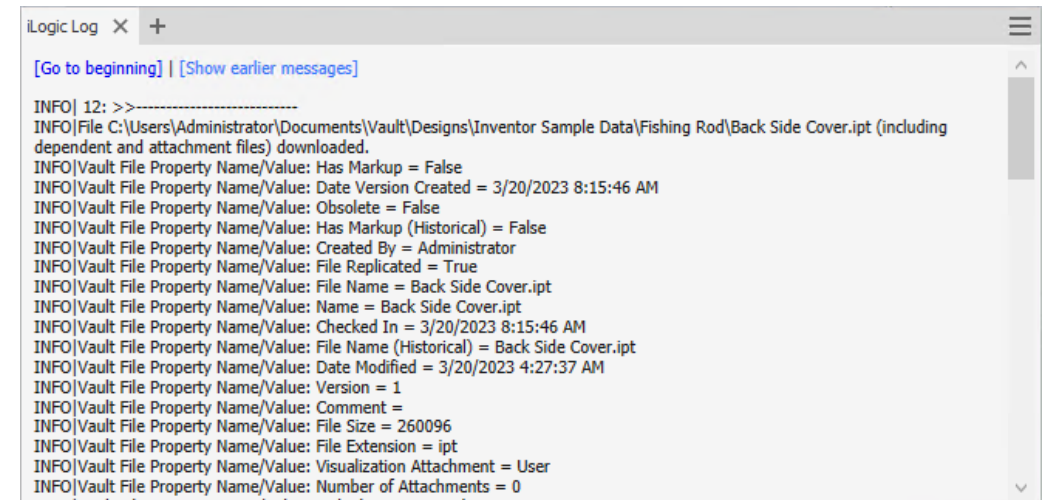
- **Tips**

- **Options**

- Checkout = False
- Include file properties

- **Expected result**

- iLogic Log success info, properties (name/values), and local file



```
iLogic Log X +
[Go to beginning] | [Show earlier messages]

INFO| 12: >>-----
INFO|File C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Back Side Cover.ipt (including
dependent and attachment files) downloaded.
INFO|Vault File Property Name/Value: Has Markup = False
INFO|Vault File Property Name/Value: Date Version Created = 3/20/2023 8:15:46 AM
INFO|Vault File Property Name/Value: Obsolete = False
INFO|Vault File Property Name/Value: Has Markup (Historical) = False
INFO|Vault File Property Name/Value: Created By = Administrator
INFO|Vault File Property Name/Value: File Replicated = True
INFO|Vault File Property Name/Value: File Name = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Name = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Checked In = 3/20/2023 8:15:46 AM
INFO|Vault File Property Name/Value: File Name (Historical) = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Date Modified = 3/20/2023 4:27:37 AM
INFO|Vault File Property Name/Value: Version = 1
INFO|Vault File Property Name/Value: Comment =
INFO|Vault File Property Name/Value: File Size = 260096
INFO|Vault File Property Name/Value: File Extension = ipt
INFO|Vault File Property Name/Value: Visualization Attachment = User
INFO|Vault File Property Name/Value: Number of Attachments = 0
```

iLogicVault_GetFileBySearch

Download a file from Vault by searching a unique file

- **Requirement**

- Active document = new file
- Empty working folder

- **Method**

- iLogicVault.GetFileBySearchCriteria()

- **Additional methods**

- --

- **Tips**

- Try the optional Checkout=True

- **Options**

- MatchAllCriteria = True
- Checkout = False

- **Expected result**

- iLogic Log success info and local file



iLogicVault_GetFileBySearchAndFileItemProps

Download a file, found by search, and get a list of property names/values

- **Requirement**

- Active document = new file
- Empty working folder

- **Method**

- iLogicVault.GetFileBySearchCriteria()

- **Additional methods**

- --

- **Tips**

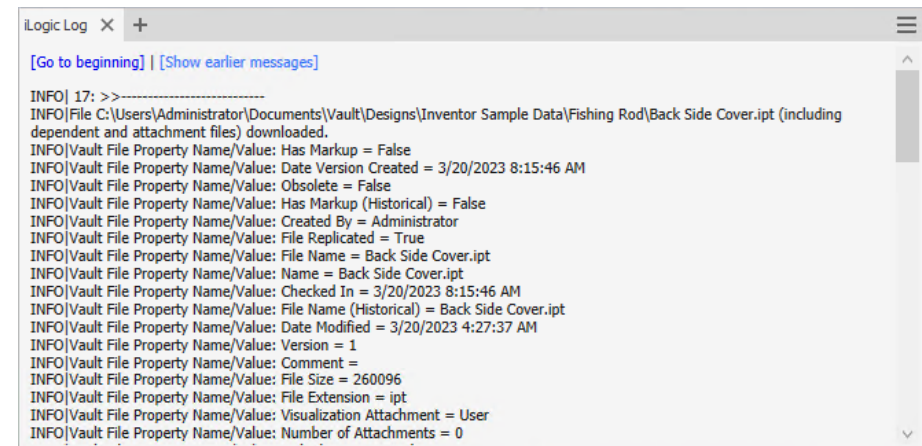
- Run the Assign/Update Item command on the given file first to get the item properties

- **Options**

- Checkout = False
- Include file and item properties

- **Expected result**

- iLogic Log success info, properties (name/values), and local file



```
iLogic Log X +
[Go to beginning] | [Show earlier messages]

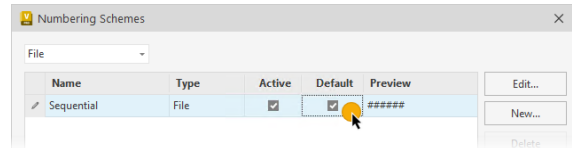
INFO| 17: >>-----
INFO|File C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Back Side Cover.ipt (including
dependent and attachment files) downloaded.
INFO|Vault File Property Name/Value: Has Markup = False
INFO|Vault File Property Name/Value: Date Version Created = 3/20/2023 8:15:46 AM
INFO|Vault File Property Name/Value: Obsolete = False
INFO|Vault File Property Name/Value: Has Markup (Historical) = False
INFO|Vault File Property Name/Value: Created By = Administrator
INFO|Vault File Property Name/Value: File Replicated = True
INFO|Vault File Property Name/Value: File Name = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Name = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Checked In = 3/20/2023 8:15:46 AM
INFO|Vault File Property Name/Value: File Name (Historical) = Back Side Cover.ipt
INFO|Vault File Property Name/Value: Date Modified = 3/20/2023 4:27:37 AM
INFO|Vault File Property Name/Value: Version = 1
INFO|Vault File Property Name/Value: Comment =
INFO|Vault File Property Name/Value: File Size = 260096
INFO|Vault File Property Name/Value: File Extension = ipt
INFO|Vault File Property Name/Value: Visualization Attachment = User
INFO|Vault File Property Name/Value: Number of Attachments = 0
```

iLogicVault_GetFileCopyBySourceFileNameAndAutoNumber

Copy a vaulted file by submitting the file name/path and name of a numbering scheme

- **Requirement**

- Active/default numbering scheme



- **Method**

- iLogicVault.GetFileCopyBySourceFileNameAndAutoNumber()

- **Additional methods**

- --

- **Tips**

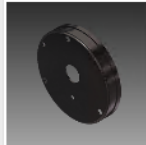

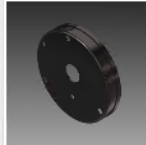

- Try numbering scheme input values according to your configured schemes

- **Options**

- Name of numbering scheme
- Numbering scheme with user input values

- **Expected result**

- copied file in Vault, downloaded, updated Part Number

History Uses Where Used Change Order View CAD BOM Datasheet								
Number of versions:		2	(Local = Version #2)					
Number of revisions:		1						
	Thumbnail	File Name	Revision	State (Historical)	Created By	Checked In	Comment	Part Number
▶		100001.ipt	A	Work in Progress	Administrator	3/20/2023 10:56 AM	Property Edit	100001 
		100001.ipt	A	Work in Progress	Administrator	3/20/2023 10:56 AM	iLogic File Copy from Back Side Cover.ipt 	407-02

iLogicVault_GetFileCopyBySourceFileNameAndNewName

Copy a vaulted file by submitting the file name/path and a new file name

- **Requirement**

- --

- **Method**

- iLogicVault.GetFileCopyBySourceFileNameAndNewName()

- **Additional methods**

- --

- **Tips**

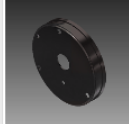

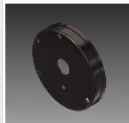

- --

- **Options**

- Check-out = True

- **Expected result**

- copied file in Vault, downloaded, updated Part Number, checked out

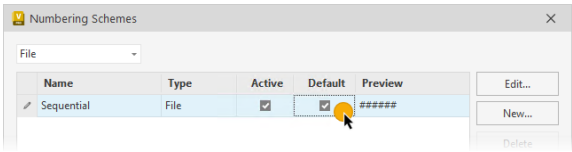
History Uses Where Used Change Order View CAD BOM Datasheet							
Number of versions:		3	(Local = Version #3)				
Number of revisions:		1					
Thumbnail	File Name	Revision	State (Historical)	Created By	Checked In	Comment	Part Number
	9ce8240d...	A	Work in Progress	Administrator			9ce8240d-cb...
	9ce8240d...	A	Work in Progress	Administrator	3/20/2023 12:35 PM	Property Edit	9ce8240d-cb42...
	9ce8240d...	A	Work in Progress	Administrator	3/20/2023 12:35 PM	iLogic File Copy from Back Side Cover.ipt	407-02

iLogicVault_GetFileCopyBySourceFileSearchAndAutoNumber

Copy a vaulted file found by searching, consuming a new number, and downloading it

- Requirement

- Active/default numbering scheme



- Method

- iLogicVault.GetFileCopyBySourceFileSearchAndAutoNumber()

- Additional methods

- --

- Tips

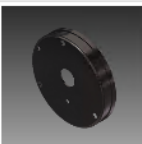

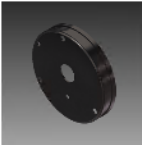

- Try numbering scheme input values according to your configured schemes

- Options

- Name of numbering scheme
- Numbering scheme with user input values

- Expected result

- copied file in Vault, downloaded, updated Part Number

History Uses Where Used Change Order View CAD BOM Datasheet								
Number of versions:		2	(Local = Version #2)					
Number of revisions:		1						
	Thumbnail	File Name	Revision	State (Historical)	Created By	Checked In	Comment	Part Number
▶		100001.ipt	A	Work in Progress	Administrator	3/20/2023 10:56 AM	Property Edit	100001 
		100001.ipt	A	Work in Progress	Administrator	3/20/2023 10:56 AM	iLogic File Copy from Back Side Cover.ipt 	407-02

iLogicVault_GetFileCopyBySourceFileSearchAndNewName

Copy a vaulted file by submitting the file name/path and a new file name

- **Requirement**

- --

- **Method**

- iLogicVault.GetFileCopyBySourceFileSearchAndNewName()

- **Additional methods**

- --

- **Tips**

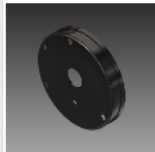

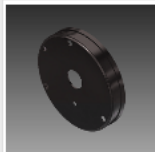

- --

- **Options**

- Check-out = False

- **Expected result**

- copied file in Vault, downloaded, updated Part Number, checked out

History Uses Where Used Change Order View CAD BOM Datasheet								
Number of versions:		2	(Local = Version #2)					
Number of revisions:		1						
	Thumbnail	File Name	Revision	State (Historical)	Created By	Checked In	Comment	Part Number
▶		100002.ipt	A	Work in Progress	Administrator	3/20/2023 12:48 PM	Property Edit	100002 
		100002.ipt	A	Work in Progress	Administrator	3/20/2023 12:48 PM	iLogic File Copy from Back Side Cover.ipt 	407-02

iLogicVault_GetFileNumber_&_CopyLocalFile

Copy a local file by submitting consuming a new Vault file number

- **Requirement**

- Active Inventor file, saved locally.

- **Method**

- iLogicVault.GetNewNumber()

- **Additional methods**

- iLogicVault.CopyLocalFile()

- **Tips**

- Combine with rule sample to check-in file

- **Options**

- --

- **Expected result**

- Active file, copied locally, not checked in
- iLogic log success info



iLogicVault_GetMultipleFilesBySearch

Search a list of files and download all of them

- **Requirement**

- Active document = new file
- Empty working folder

- **Method**

- iLogicVault.GetFilesBySearchCriteria()

- **Additional methods**

- --

- **Tips**

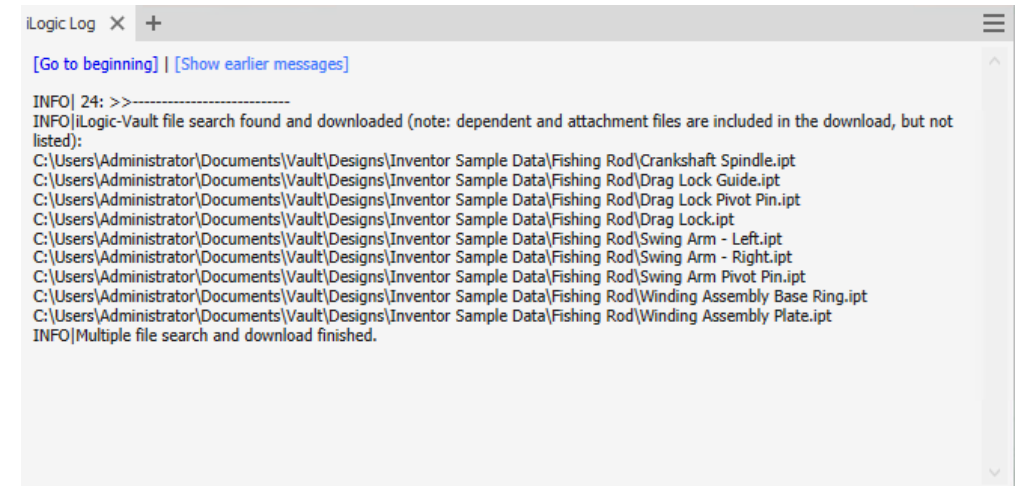
- Try the optional Checkout=True

- **Options**

- MatchAllCriteria = False
- Checkout = False

- **Expected result**

- iLogic Log success info and local files

A screenshot of the iLogic Log window. The window has a title bar with 'iLogic Log' and standard window controls. Below the title bar, there are two links: '[Go to beginning]' and '[Show earlier messages]'. The main content area displays a log entry starting with 'INFO| 24: >>-----' followed by a message: 'INFO|iLogic-Vault file search found and downloaded (note: dependent and attachment files are included in the download, but not listed):'. Below this message is a list of file paths, each on a new line, representing the files that were searched for and downloaded. The list includes files like 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Crankshaft Spindle.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Drag Lock Guide.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Drag Lock Pivot Pin.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Drag Lock.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Swing Arm - Left.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Swing Arm - Right.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Swing Arm Pivot Pin.ipt', 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Winding Assembly Base Ring.ipt', and 'C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Winding Assembly Plate.ipt'. The log entry ends with 'INFO|Multiple file search and download finished.'.

```
iLogic Log X +  
[Go to beginning] | [Show earlier messages]  
INFO| 24: >>-----  
INFO|iLogic-Vault file search found and downloaded (note: dependent and attachment files are included in the download, but not listed):  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Crankshaft Spindle.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Drag Lock Guide.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Drag Lock Pivot Pin.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Drag Lock.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Swing Arm - Left.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Swing Arm - Right.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Swing Arm Pivot Pin.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Winding Assembly Base Ring.ipt  
C:\Users\Administrator\Documents\Vault\Designs\Inventor Sample Data\Fishing Rod\Winding Assembly Plate.ipt  
INFO|Multiple file search and download finished.
```

iLogicVault_GetThumbnailBySearch

Search for a file and download its thumbnail as an image object

- **Requirement**

- Active document = new file

- **Method**

- iLogicVault.GetThumbnailImageBySearchCriteria()

- **Additional methods**

- --

- **Tips**

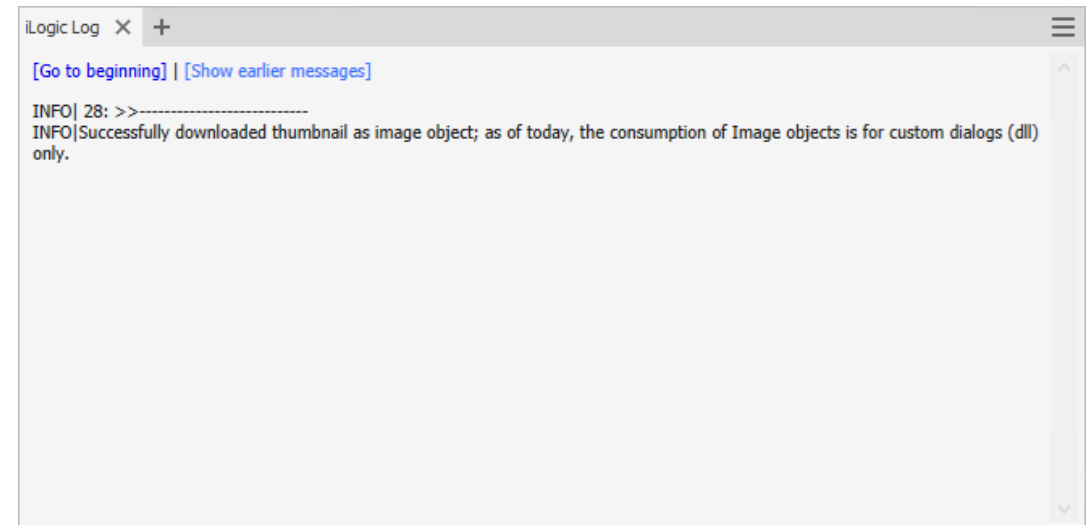
- Thumbnail image objects target custom iLogic Forms extension development (*.dll)

- **Options**

- MatchAllCriteria = True

- **Expected result**

- iLogic Log success info and image object



iLogicVault_GetThumbnailBySourceFullPath

Get a vaulted file and download its thumbnail as an image object

- **Requirement**

- Active document = new file

- **Method**

- iLogicVault.GetThumbnailImageByFullSourceFilePath()

- **Additional methods**

- --

- **Tips**

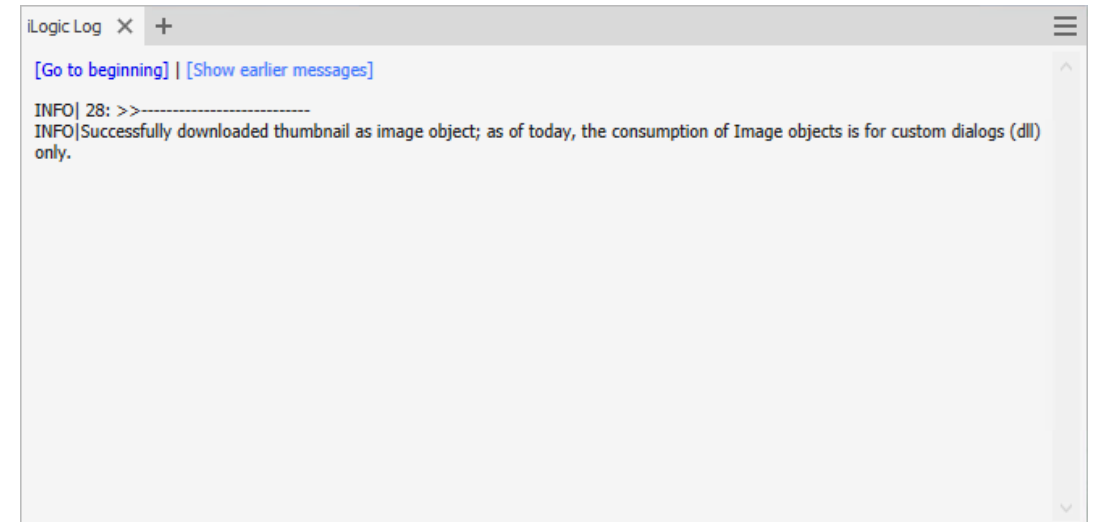
- Thumbnail image objects target custom iLogic Forms extension development (*.dll)

- **Options**

- --

- **Expected result**

- iLogic Log success info and image file downloaded locally



iLogicVault_GetThumbnailFileBySearch

Search for a file and download its thumbnail as an image file

- **Requirement**

- Active document = new file

- **Method**

- iLogicVault.GetThumbnailFileBySearchCriteria()

- **Additional methods**

- --

- **Tips**

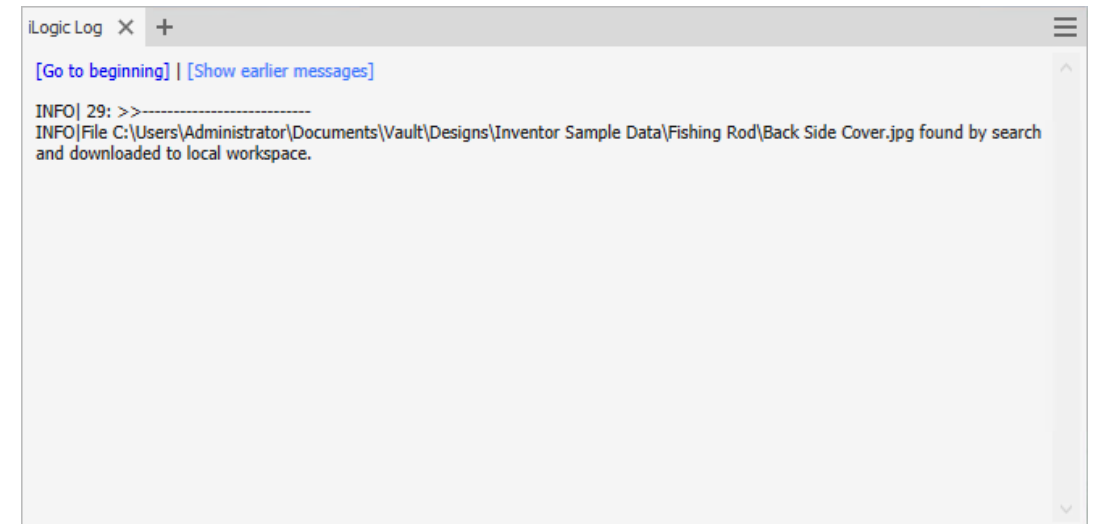
- --

- **Options**

- MatchAllCriteria = True

- **Expected result**

- iLogic Log success info and image file downloaded to local folder



iLogicVault_GetThumbnailFileBySourceFullPath

Get a vaulted file by name/path, and download its thumbnail as an image file

- **Requirement**

- Active document = new file

- **Method**

- iLogicVault.GetThumbnailFileByFullSourceFilePath()

- **Additional methods**

- --

- **Tips**

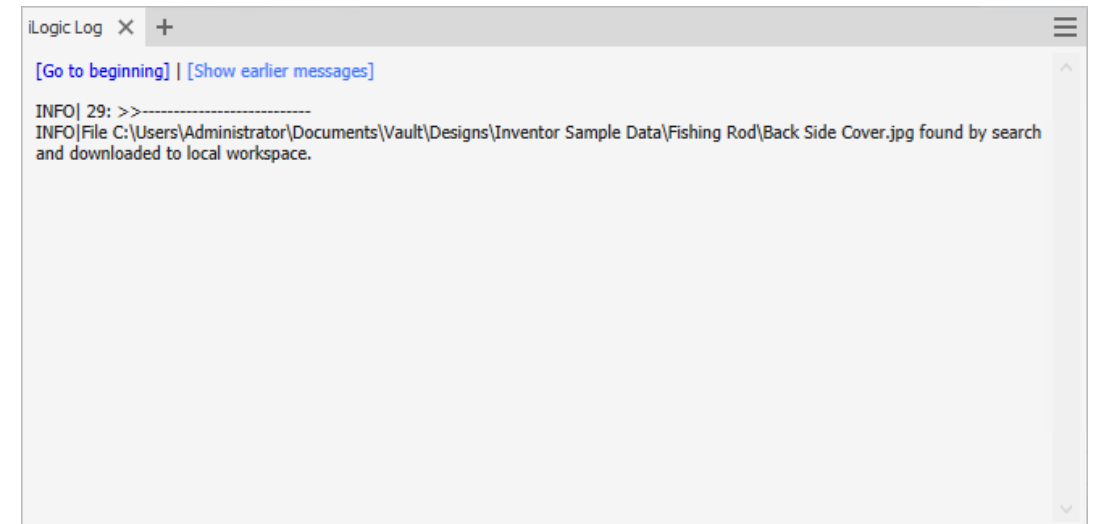
- --

- **Options**

- --

- **Expected result**

- iLogic Log success info and image file downloaded locally



iLogicVault_GetVaultFileStatus

Get a vaulted file by name/path, and download its thumbnail as an image file

- **Requirement**

- Open a vaulted file in Inventor

- **Method**

- iLogicVault.GetVaultFileStatus()

- **Additional methods**

- --

- **Tips**

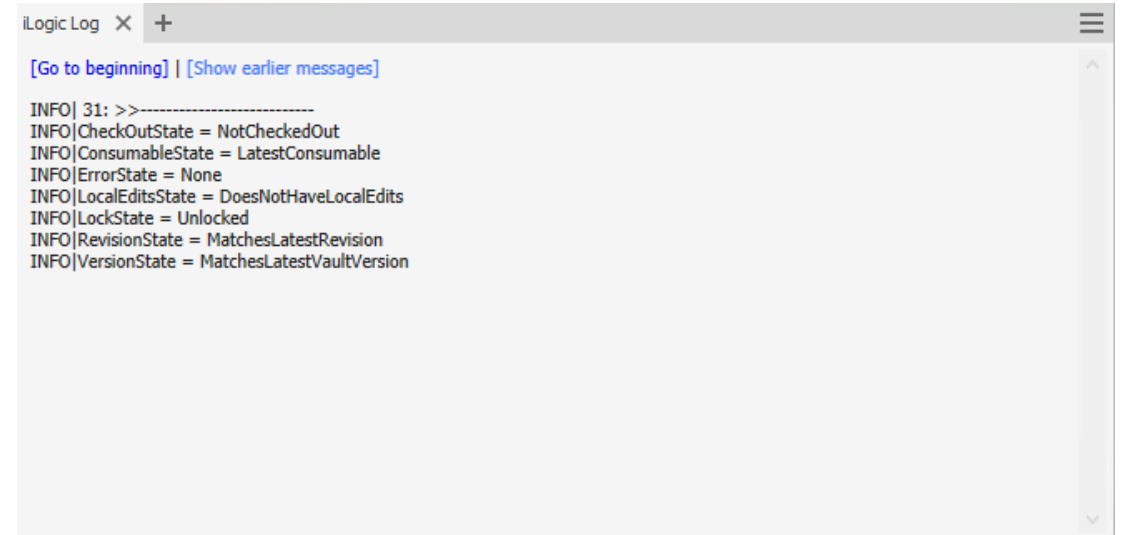
- Run the rule on files checked-out, checked-out by other users or locked files

- **Options**

- --

- **Expected result**

- iLogic Log success info list of Vault file status information



```
iLogic Log X +
[Go to beginning] | [Show earlier messages]
INFO| 31: >>-----
INFO|CheckOutState = NotCheckedOut
INFO|ConsumableState = LatestConsumable
INFO|ErrorState = None
INFO|LocalEditsState = DoesNotHaveLocalEdits
INFO|LockState = Unlocked
INFO|RevisionState = MatchesLatestRevision
INFO|VersionState = MatchesLatestVaultVersion
```

iLogicVault_UndoCheckOut

Call the Inventor user command Vault Undo Check-out on the active document

- **Requirement**

- Active Inventor file vaulted, checked-out

- **Method**

- --

- **Additional methods**

- --

- **Tips**

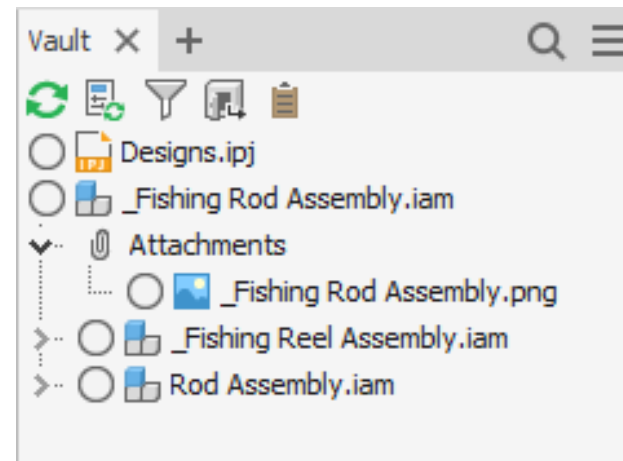
- --

- **Options**

- --

- **Expected result**

- Checked-in status of the active file (top node only)



iLogicVault_UpdateVaultFileProperties

Validate active file's Vault status and update file properties

- **Requirement**

- Open a vaulted file in Inventor

- **Method**

- iLogicVault.UpdateVaultFileProperties()

- **Additional methods**

- iLogicVault.GetVaultFileStatus()
- iLogicVault.ConvertLocalPathToVaultPath

- **Tips**

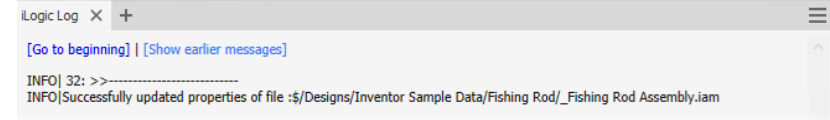
- Run the rule on files checked-out, checked-out by other users, or locked files

- **Options**

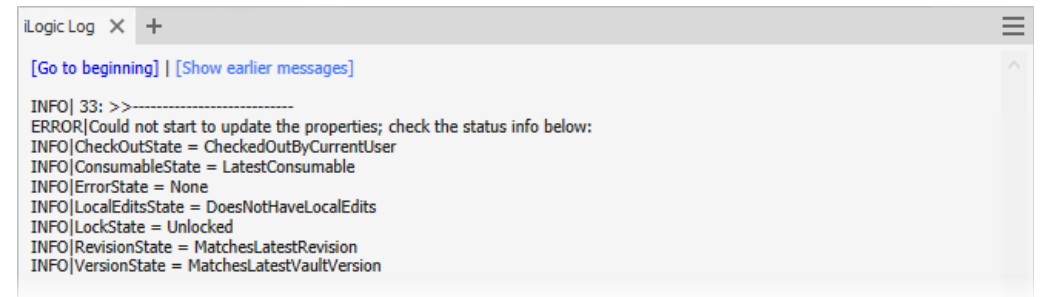
- --

- **Expected result**

- iLogic Log success info



- On non-consumable files: iLogic Log error message and Vault File Status detail information





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