

PDM and PLM United

Vault Fusion Lifecycle Connector – a Zero-Code Connector

Christian Gessner

Technical Evangelist

coolOrange

Brian Schanen

Product Manager

Autodesk



Agenda

- Advantages of connecting PDM and PLM
- Advantages of vaultFLC
- Configuration
- Workflows and Demos
- Technical Details
- Extensibility and Additional Software
- Help and Support



PDM and PLM United: Vault Fusion Lifecycle Connector

Advantages of connecting PDM and PLM



Models

Drawings

Libraries

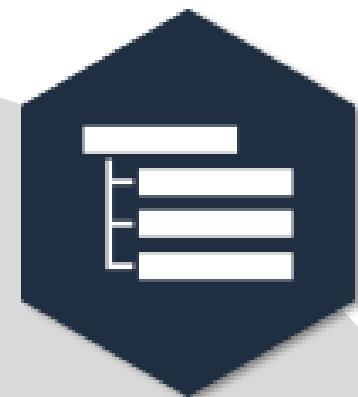


Revision Control

Copy Design

Job Processor

New Product Introduction



Bill of Materials



Online Product Data

Supplier Collaboration

Change Management

Quality Management



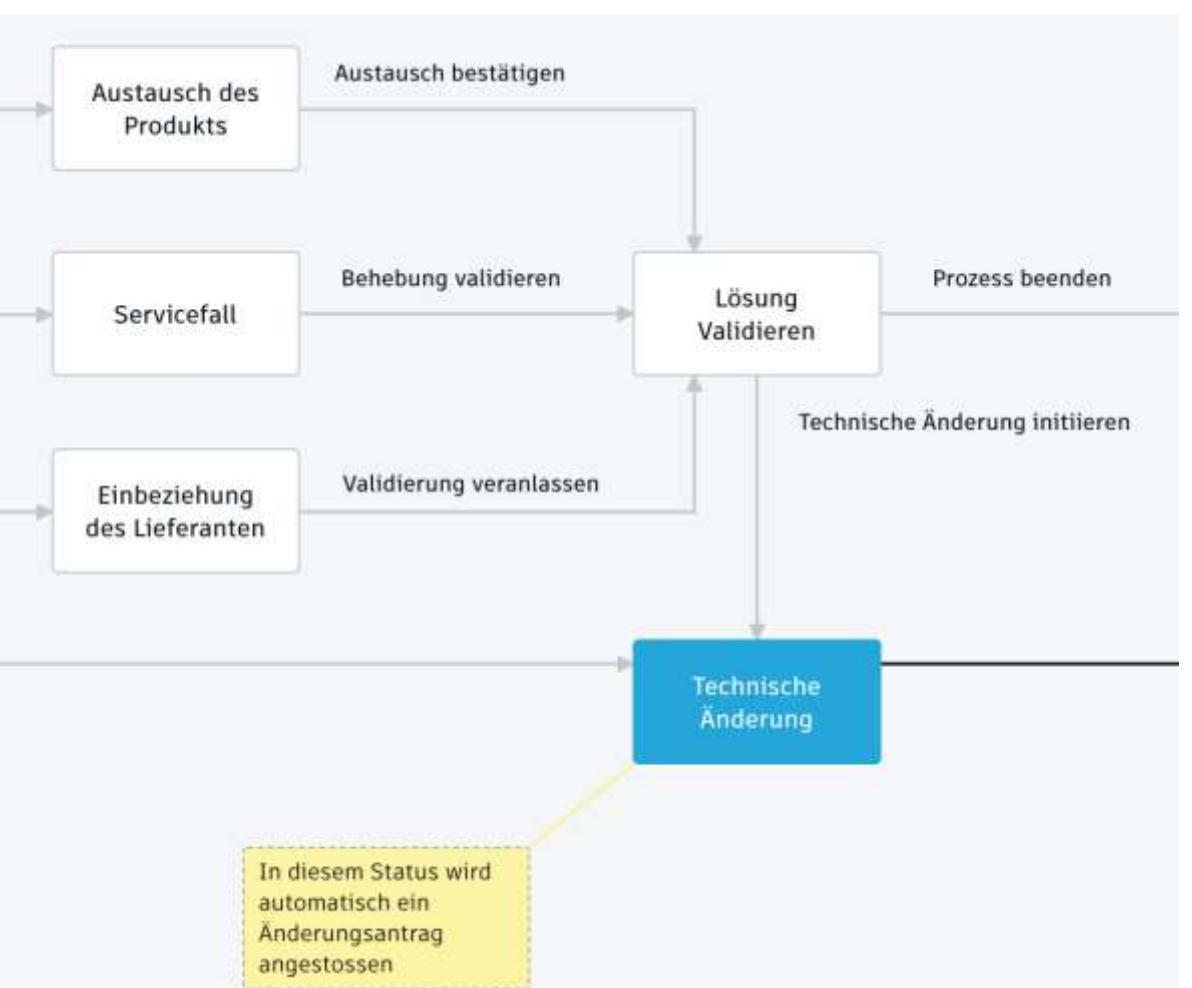
DATA

Real time access to latest data online, changes are recorded in change log, revisions get approved and shared by change management

Details (1 von 5) i	
Nummer	PM0001
Bezeichnung	Feuchtigkeit dringt in die Konsole ein
Kategorie	Bauteilfehler
Problembeschreibung	Siehe beiliegende Aufnahmen
Priorität	Hoch
Auswirkung	Elektronik wird angegriffen
Lösungsvorschlag	Dichtungsringe austauschen
Zieltermin	31/01/2019
PRIOR	1
Kontext (2 von 5) i	
Kunde	Autodesk
Produkte	Monochromes Displaymodul
Artikel	CV-100-016 - IDLER - RETURN RUBBER DISC "C" - 5" DIA 54" Bi
Seriennummer	456-346993
Fotos / Skizzen (3 von 5) i	
Problemanalyse (4 von 5)	

PROCESSES

Data is passed to responsible stakeholders by online process workflows which determine responsibilities, due tasks and decisions to be taken



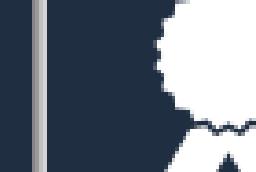
SCHEDULE

Manage tasks and assign them to team members; define target dates and trace timely delivery in real time; receive automatic reminders before delays occur

Aufgabe	Prio ↑	Fortschritt	Verbleibende Tage
Glasdickenberechnung	---	80%	9
Konzept entwickeln	---	0%	1
Gebläse in CAD austauschen	---	0%	-45
Bearbeitung offen	---	0%	-50
Dokumentation aktualisieren	---	80%	-42
Bohrung anpassen	++	10%	-51
Kostenkalkulation	?	0%	-16
Funktionale Spezifikation	?	0%	-36
Variante erstellen	?	0%	-43
Vault Aufgabe	?	0%	-43
Gehäuse an Platine angleichen	?	0%	-45

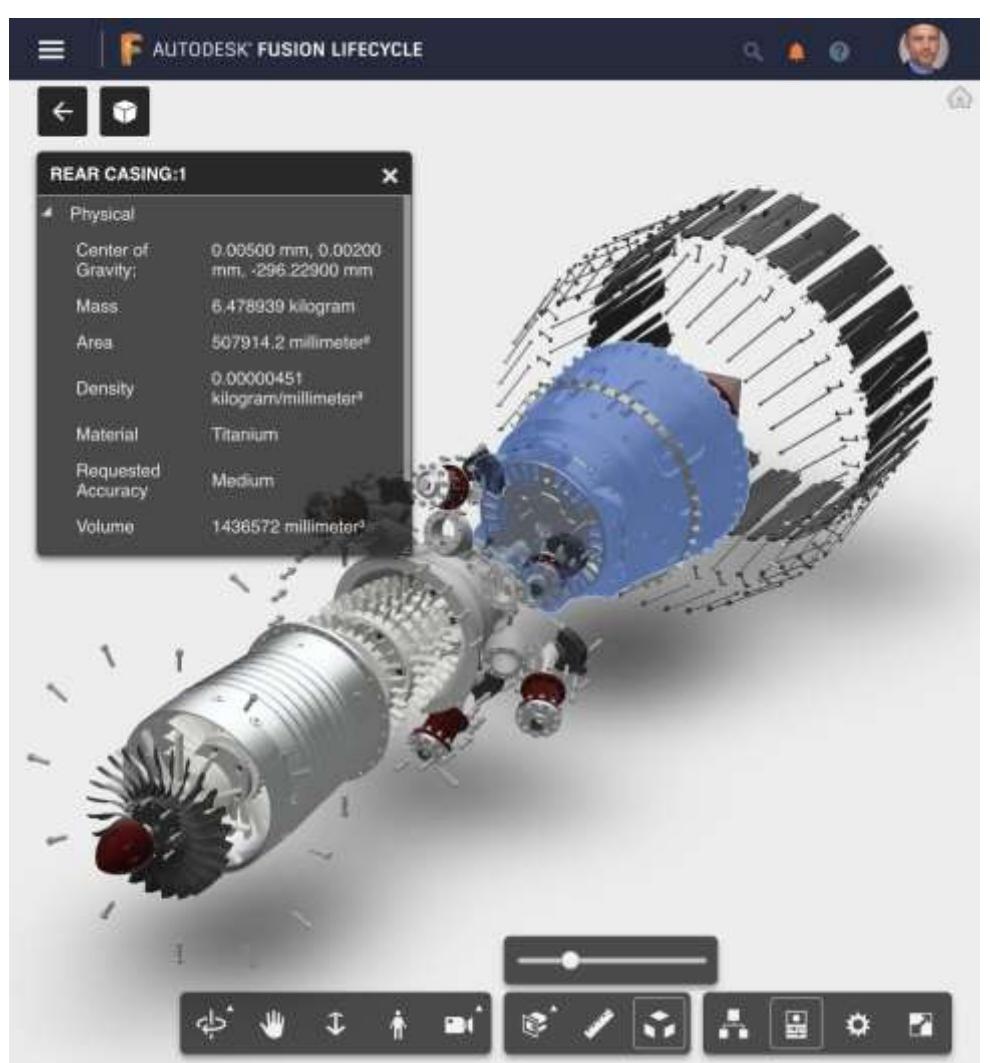


NEW



DESIGN

Drawings, Models and BOM data is published upon approval by engineering in Vault



DATA

Real time access to latest data online, changes are recorded in change log, revisions get approved and shared by change management

Details (1 von 5)

Nummer	PM0001
Bezeichnung	Feuchtigkeit dringt in die Konsole ein
Kategorie	Bauteilfehler
Problembeschreibung	Siehe beiliegende Aufnahmen
Priorität	Hoch
Auswirkung	Elektronik wird angegriffen
Lösungsvorschlag	Dichtungsringe austauschen
Zieltermin	31/01/2019
PRIO	1

Kontext (2 von 5)

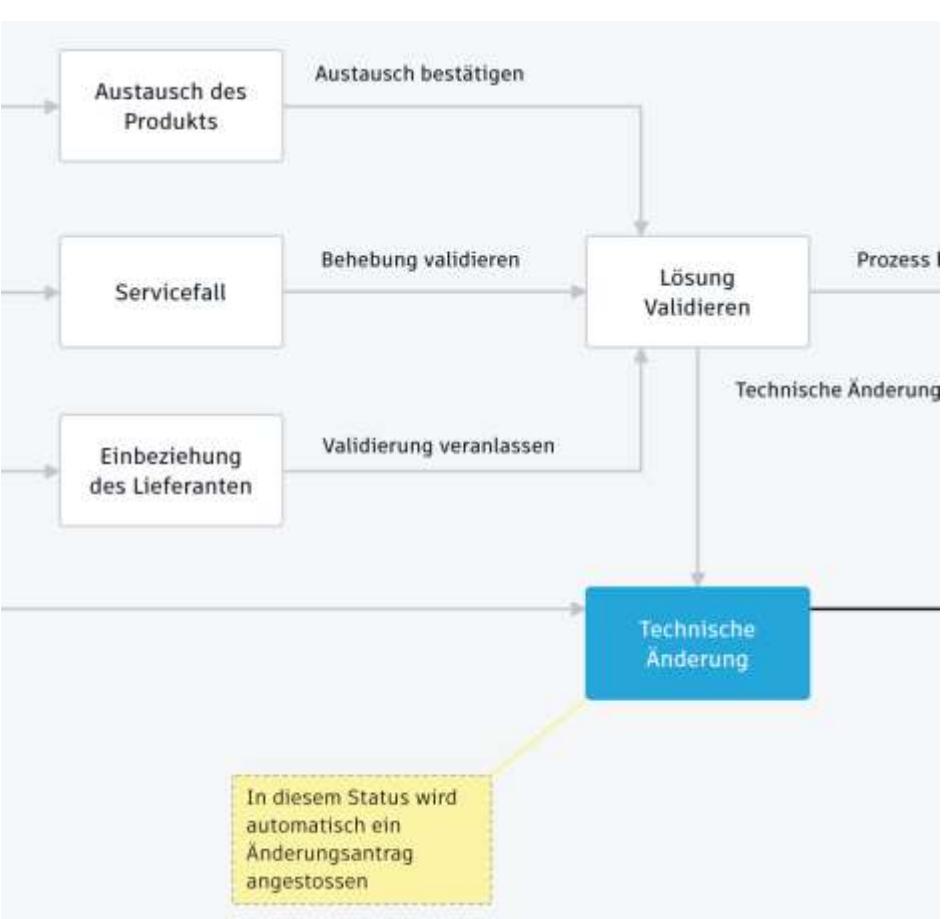
Kunde	Autodesk
Produkte	Monochromes Displaymodul
Artikel	CV-100-016 - IDLER - RETURN RUBBER DISC "C" -
Seriennummer	456-346993

Fotos / Skizzen (3 von 5)

Problemanalyse (4 von 5)

PROCESSES

Data is passed to responsible stakeholders by online process workflows which determine responsibilities, due tasks and decisions to be taken



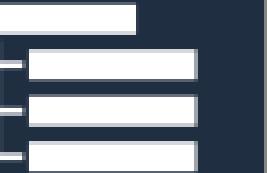
SCHEDULE

Manage tasks and assign them to team members; define target dates and trace timely delivery in real time; receive automatic reminders before delays occur

Aufgabe	Prio ↑	Fortschritt	Verbleib
Glasdickenberechnung	---	80%	9
Konzept entwickeln	---	0%	1
Gebläse in CAD austauschen	---	0%	-45
Bearbeitung offen	---	0%	-50
Dokumentation aktualisieren	---	80%	-42
Bohrung anpassen	++	10%	-51
Kostenkalkulation	?	0%	-16
Funktionale Spezifikation	?	0%	-36
Variante erstellen	?	0%	-43
Vault Aufgabe	?	0%	-43
Gehäuse an Platine angleichen	?	0%	-45
Anfrage Spachtelschablonen	?	0%	9



NEW



ONLINE

Access data at any time from any where – in the office, on the road and while being onsite at your customer



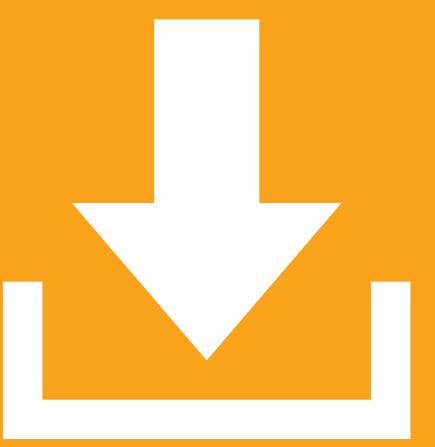
EASY

Simplified and modern UI ensures low training efforts and high level of end user acceptance



APP STORE

Extend your environment at any time with free templates from the App Store and integrated configuration tools



CLOUD

No servers, client installation packages and updates required – everyone is using the latest and greatest software automatically



SALES

ENGINEERING

PREPRODUCTION

PRODUCTION

SERVICE



Product Data Management

Local storage provides best performance possible
Integrated in CAD user interface
Manages drawings, models, templates and libraries
Enables easy design copies
Job processor provides automation capabilities
Implementation driven by engineering methodology only



SALES

ENGINEERING

PREPRODUCTION

PRODUCTION

SERVICE

CRM

ERP

SALES

ENGINEERING

PREPRODUCTION

PRODUCTION

SERVICE

CRM

ERP



Schedule



Requirements



Concept



Task List



Costing



BOM



Specification



Change Request



Change Request



Problem Report



PPAP



Claim



Supplier Collaboration

SALES

ENGINEERING

PREPRODUCTION

PRODUCTION

SERVICE

CRM

ERP



Schedule



Requirements



Concept



Task List



Costing



BOM



Specification



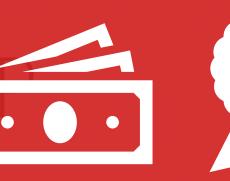
Change Request



Problem Report



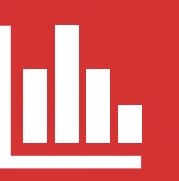
PA



PA



PA



PA

20 hours of non value add work per week



Change Request



Claim

SALES

ENGINEERING

PREPRODUCTION

PRODUCTION

SERVICE

CRM

ERP



→ NEW



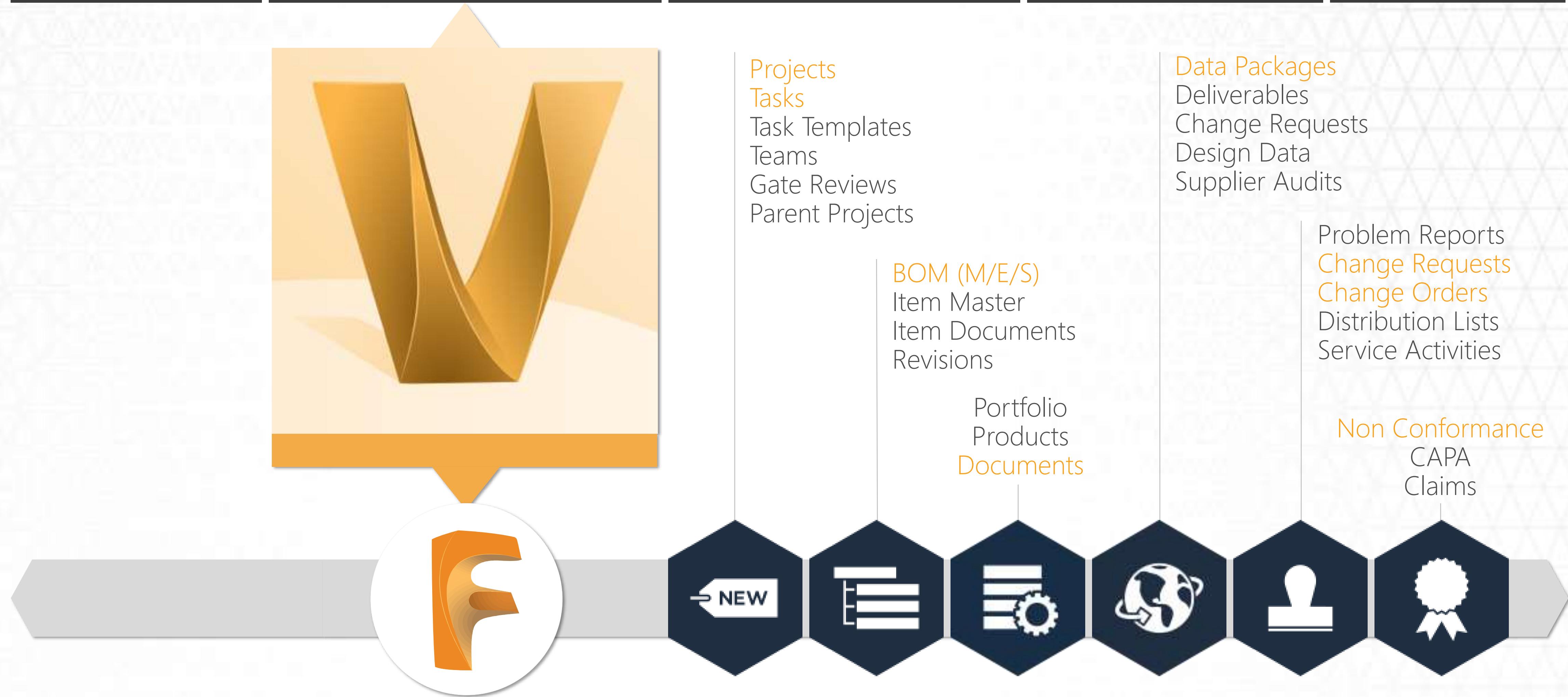
SALES

ENGINEERING

PREPRODUCTION

PRODUCTION

SERVICE



Proven Customer Success

“.. before we had Fusion Lifecycle, we sent wrong revisions and outdated information which cost us in excess of **£150k per year**. We now use FLC for all of our key business processes.”

Rob Heyworth, chamberlin plc

“Before implementing the PLM system, processing a larger order with about 20 positions took one day . Today it's **not even 5 minutes**”

Thomas Schnell, Feige Fliling

“Fusion Lifecycle helped us **reduce our waste by 84%** on a monthly basis.”

Brian Hunter, NovaCentrix



“We've **reduced our product development time by 50%** thanks to Autodesk Fusion Lifecycle”
Roulunds Braking

“We are operating at **BOM accuracies of 99.6% now**, up 15-20% from before PLM.”

Alan Bateman,
Willerby Holiday Homes

“Today, with Fusion Lifecycle, the time taken to process a change order has been dramatically reduced **from two weeks to two days**.”

Gary Alcala, Mesa Labs

PERFECT

CAD Release Match

File based authoring
On premise performance
Real Time Information Sharing

Scalable Infrastructure

Engineering Efficiency

Investment Protection

File based authoring

On premise performance

Real Time Information Sharing

Scalable Infrastructure



Ease of use



Flexibility



Latest PLM Features



Process Centric



Cloud Benefits



IP Protection



Easy Deployment



Digitize & Connect anything



AUTODESK®
FUSION LIFECYCLE

Next Generation PLM

CO0016 - Änderung des Kühlkörpers wegen Kollision mit Widerstand

Gesperrt | Implementierung | Keine Arbeitsablaufaktionen verfügbar

Eigenschaften | Betroffene Artikel (2) | Anhänge (2) | Maßnahmenplanung (4) | Terminplan (0) | Prozessablauf | Historie

Bearbeiten

Header (1 von 4)

Nummer: CO0016
Bezeichnung: Änderung des Kühlkörpers wegen Kollision mit Widerstand
Betroffene Produkte: 900-00001 - DESKTOP GeForce Tesla
Terminplanvorlage: 05 - Standard Änderungsaufträge
Geplanter Termin: 25/05/2018
Änderungsanfrage: CR0013 - GT220 Kollision des Widerstands mit dem Kühlkörper
Kennzeichen:

Details (2 von 4)

Aus Änderungsanfrage	Ergänzungen
Änderungsgrund: Konstruktionsfehler	
Änderungsbeschreibung: Der Kühlkörper ist zu verkleinern	Die äußerste Profilkante ist um 2mm zu verschieben um die Kollision mit dem Widerstand zu beheben
Begründung: Die Maße des Kühlkörpers überschreiten die in der Spezifikation vorgesehenen Maße. Aus diesem Grund kollidiert dieser nun mit dem Widerstand.	
Priorität: Hoch	

Bilder / Grafiken (3 von 4)

Bild	#1	#2	#3

Anmerkungen: Kollision der Geometrie | Schnittdarstellung | Bauteileigenschaften

Freigabeablauf (4 von 4)

Verantwortlicher	Zieltermin	Status	Tats. Termin	Verzug
Technische Umsetzung: Anderson, Alex	21/05/2018	OK	20/05/2018	-1
Prüfung: Baker, Ben	25/05/2018	OK	25/05/2018	0
Implementierung: Dickmans, Sven	24/05/2018	VERZUG		251
Kenntnisnahme Lieferant: Carter, Chris	28/05/2018	VERZUG		247

Katalogbilder

Hauptbild

Kommentar

Marketing (5 of 8)

Strategische Bewertung (6 of 8)

Ergebnisdokumente (7 of 8)

Dokument	Status	Letzte Änderung
Anforderungsspezifikation: TS000002 - Technische Spezifikation	Prüfung durch Produktmanager	28/11/2017
Lasten-/Pflichtenheft: DOK0004 - L/PH 900-0001 [REV:w]	Neu	20/11/2017
Abnahmeprotokoll Prototyp		
Kostenabschätzung: DOK0002 - Kalkulation 900-0001 [REV:w]	Neu	20/11/2017

Have latest product design at hand at any time



AUTODESK®
FUSION LIFECYCLE

Next Generation PLM

The screenshot shows the Autodesk Fusion Lifecycle application interface. At the top, the title bar reads "AUTODESK FUSION | Lifecycle". Below the title bar is a toolbar with icons for back, forward, search, and user profile. The main area displays a 3D model of a green printed circuit board (PCB) with various electronic components like capacitors and resistors. A large black GPU component is mounted on the board. In the upper left, a modal dialog box titled "245-60681-1000-C00_ASM" lists "Design Tracking Properties": Date Created (2013-05-16), Design Status (WorkInProgress), Designer (Eric Home). Under "Other", it shows label (245-60681-1000-c00_asm), Author (Eric Home), and FileName (245-60681-1000-C00_ASM). The bottom of the screen features a navigation bar with icons for orientation, zoom, and other application functions. To the right of the 3D model, there is a small cube icon labeled "TOP", "LEFT", and "FRONT".

Design Tracking Properties	
Date Created	2013-05-16
Design Status	WorkInProgress
Designer	Eric Home
Other	
label	245-60681-1000-c00_asm
Author	Eric Home
FileName	245-60681-1000-C00_ASM

Connect all engineering disciplines



AUTODESK®
FUSION LIFECYCLE

Next Generation PLM

AUTODESK FUSION LIFECYCLE

Home > Items & BOMs

699-00001 - [REV:B]

Locked | 19/02/2016 | Production

Item Details BOM (4) Where Used (1) Anforderungen (0) Attachments (2) Terminplan (0) More +

Edit Add Remove ... Views: Standard ^

Standard as of Today using the Released Revisions configuration

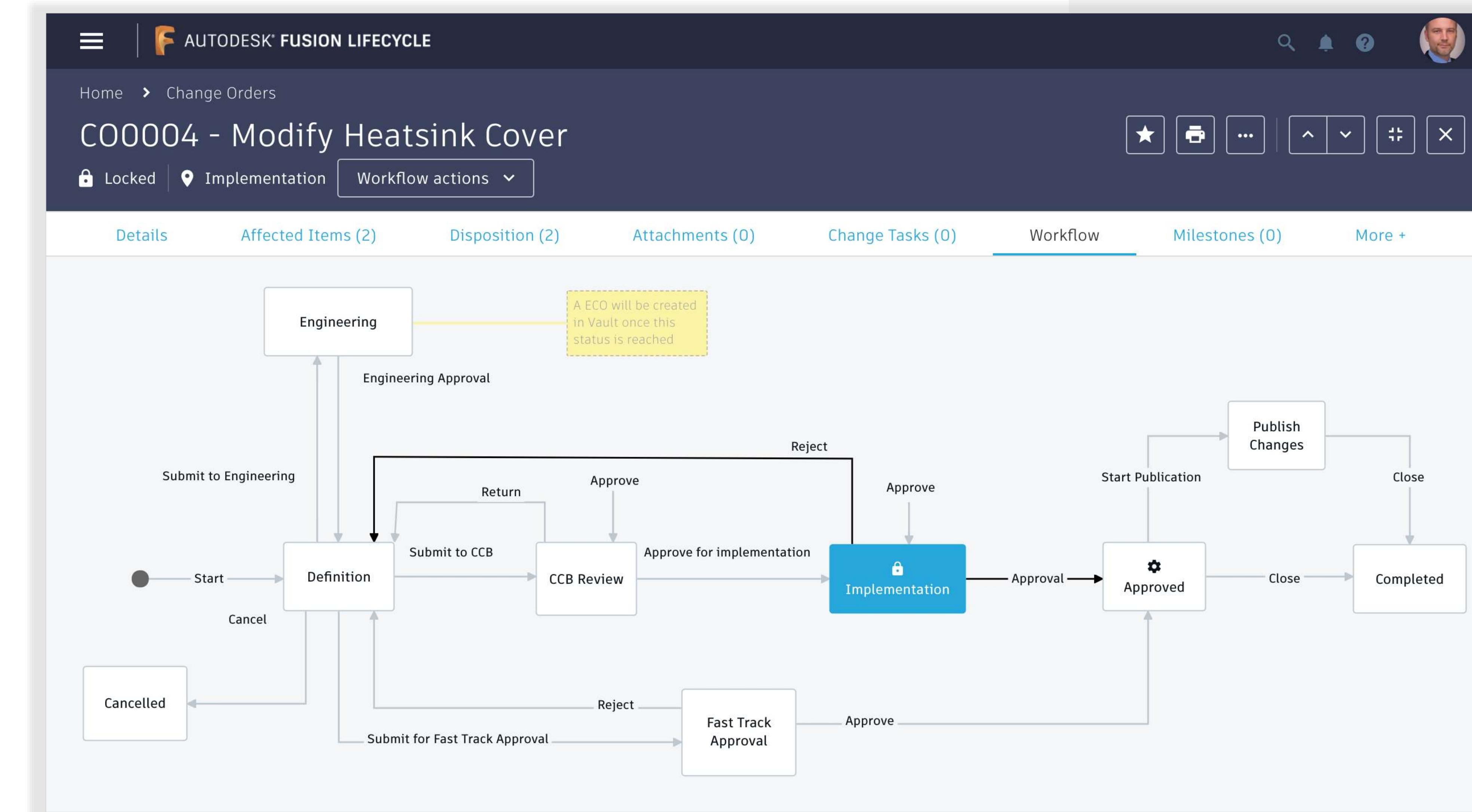
#	Descriptor	Revision	Categories	Applicaton ...	Export	Environmental Complia...	Lifecycle
0.0	699-00001 - [REV:B]	B	2 0	1.00 EA	Production	Details	Production
1.1	690-00001 - [REV:A]	A	6 0	1.00 EA	Working	Technical Specification	Production
1.2	680-00001 - [REV:A]	A	2 0	1.00 EA	3 0	1.00 EA	Production
2.1	098-00004 - [REV:A]	A	1 0	1.00 EA	2 0	1.00 EA	Production
2.2	367-00002 - [REV:w]	Working	2 0	1.00 EA	1.00 EA	1.00 EA	Working
2.3	155-00001 - [REV:B]	B	1 0	4.00 EA	1.00 EA	1.00 EA	Production
2.4	285-00001 - [REV:B]	B	1 0	1.00 EA	1.00 EA	1.00 EA	Production
2.5	151-00001 - [REV:A]	A	1 0	1.00 EA	1.00 EA	1.00 EA	Production
1.3	630-00001 - [REV:A]	A		1.00 EA	1.00 EA	1.00 EA	Production
2.1	621-00001 - [REV:A]	A	1 0	1.00 EA	1.00 EA	1.00 EA	Production
2.2	338-00001 - [REV:A]	A		1.00 EA	1.00 EA	1.00 EA	Production
1.4	640-00001 - [REV:A]	A		1.00 EA	1.00 EA	1.00 EA	Production
2.1	171-00001 - [REV:A]	A	1 0	1.00 EA	1.00 EA	1.00 EA	Production
2.2	175-00001 - [REV:A]	A	1 0	1.00 EA	1.00 EA	1.00 EA	Production

Prevent delays in business processes



AUTODESK®
FUSION LIFECYCLE

Next Generation PLM



React on delays properly & on time



AUTODESK®
FUSION LIFECYCLE

Next Generation PLM

AUTODESK FUSION LIFECYCLE

Home > Products HighTech

900-00001 - DESKTOP GeForce Tesla (GT) GT220 PCIe 1GB

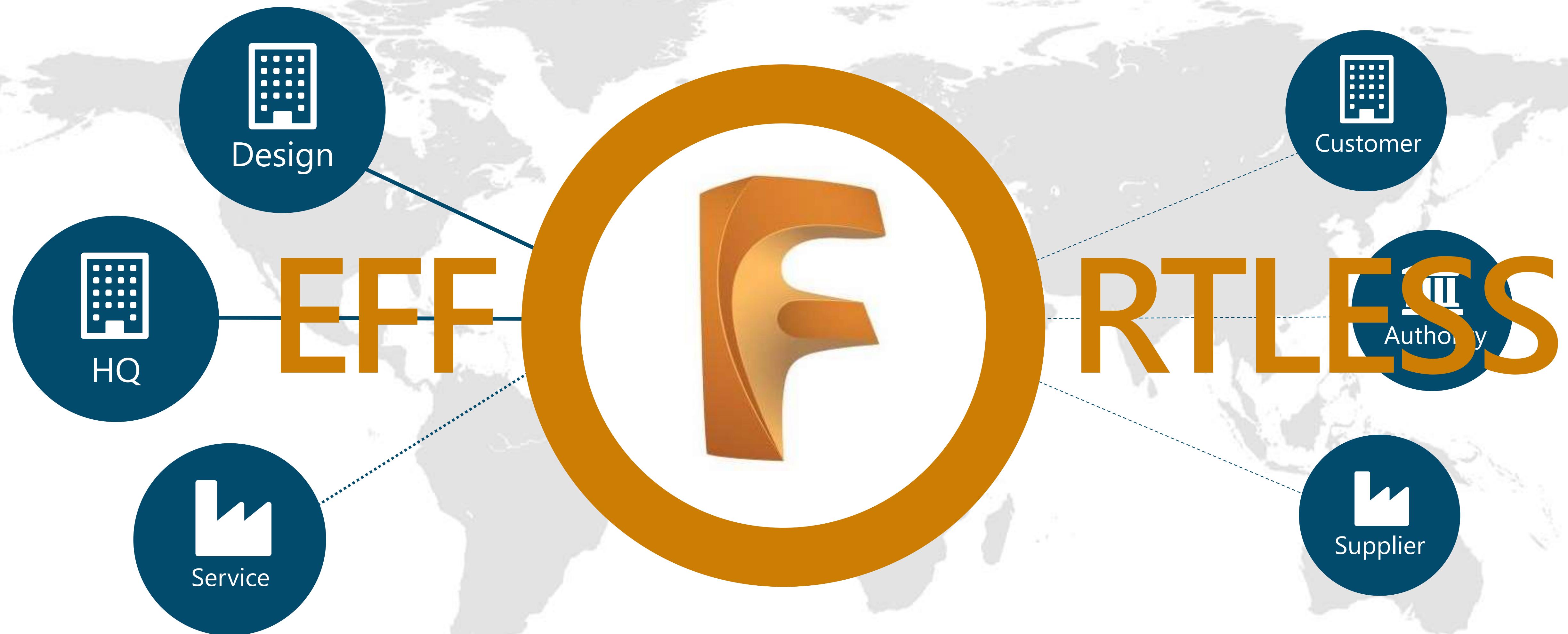
Spezifikation Workflow actions

Details Bill of Materials (1) Tasks & Deliverables (13) Milestones (6) Approval Workflow More +

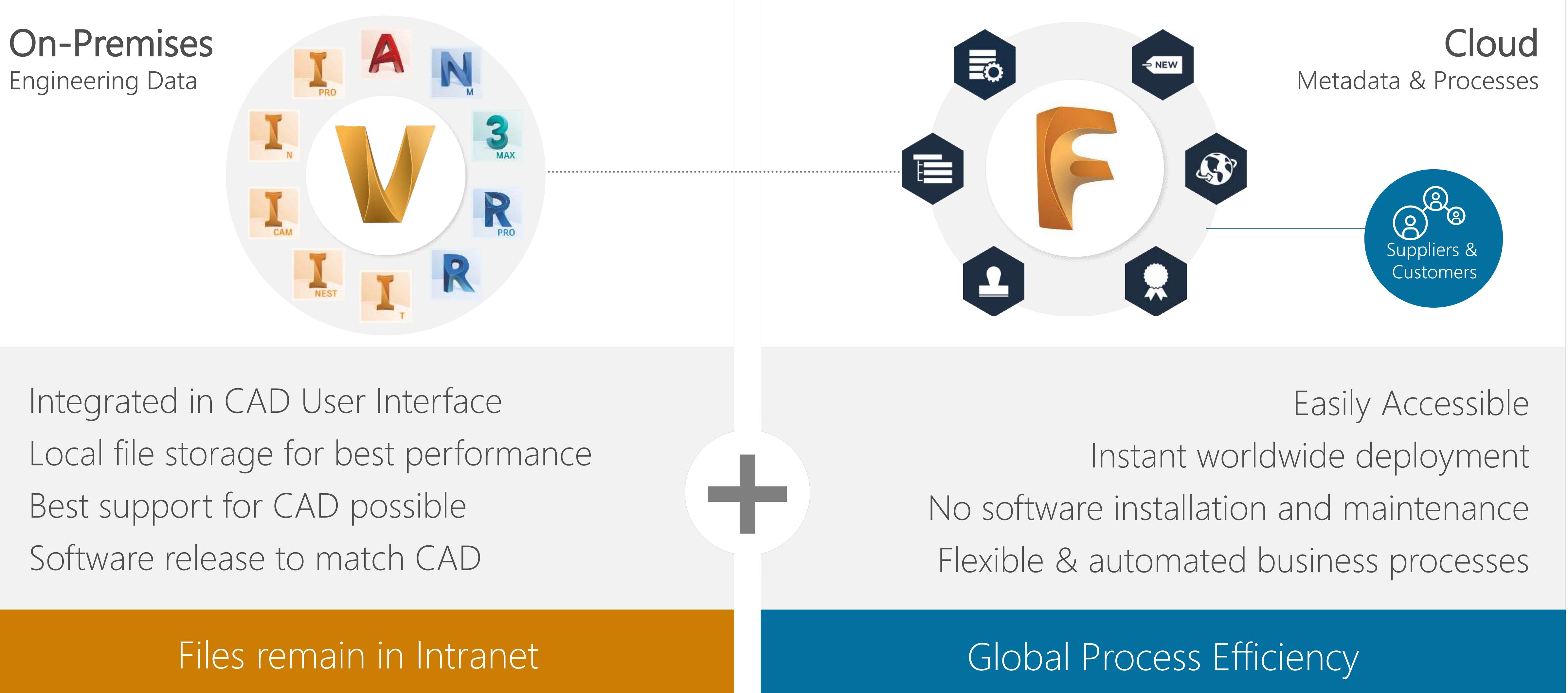
Edit Add Remove ... Gantt Chart: Time Scale: Quarters

#	Title/ Item	Start Date	End Date	Duration	Progress %	Status	2016
							Q1 Q2
1	TK0050 -	02/04/2016	06/04/2016	4 days	0	Definition	<div style="width: 10%;">0%</div>
2	TK0057 -	04/04/2016	06/04/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>
3	TK0052 -	10/04/2016	12/04/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>
4	TK0049 -	12/04/2016	14/04/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>
5	TK0060 -	27/04/2016	02/05/2016	5 days	0	Definition	<div style="width: 10%;">0%</div>
6	TK0059 -	27/04/2016	09/05/2016	12 days	0	Definition	<div style="width: 10%;">0%</div>
7	TK0053 -	02/05/2016	04/05/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>
8	TK0054 -	02/05/2016	04/05/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>
9	TK0055 -	02/05/2016	04/05/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>
10	TK0061 -	12/05/2016	17/05/2016	5 days	0	Definition	<div style="width: 10%;">0%</div>
11	TK0058 -	12/05/2016	17/05/2016	5 days	0	Definition	<div style="width: 10%;">0%</div>
12	TK0051 - ...	12/05/2016	04/08/2017	449 days	0	Definition	<div style="width: 0%; background-color: #ff9999;">> 0%</div>
13	TK0056 -	22/05/2016	24/05/2016	2 days	0	Definition	<div style="width: 10%;">0%</div>

Efficient Global Collaboration



Smart solutions to address unique challenges



PDM and PLM United: Vault Fusion Lifecycle Connector

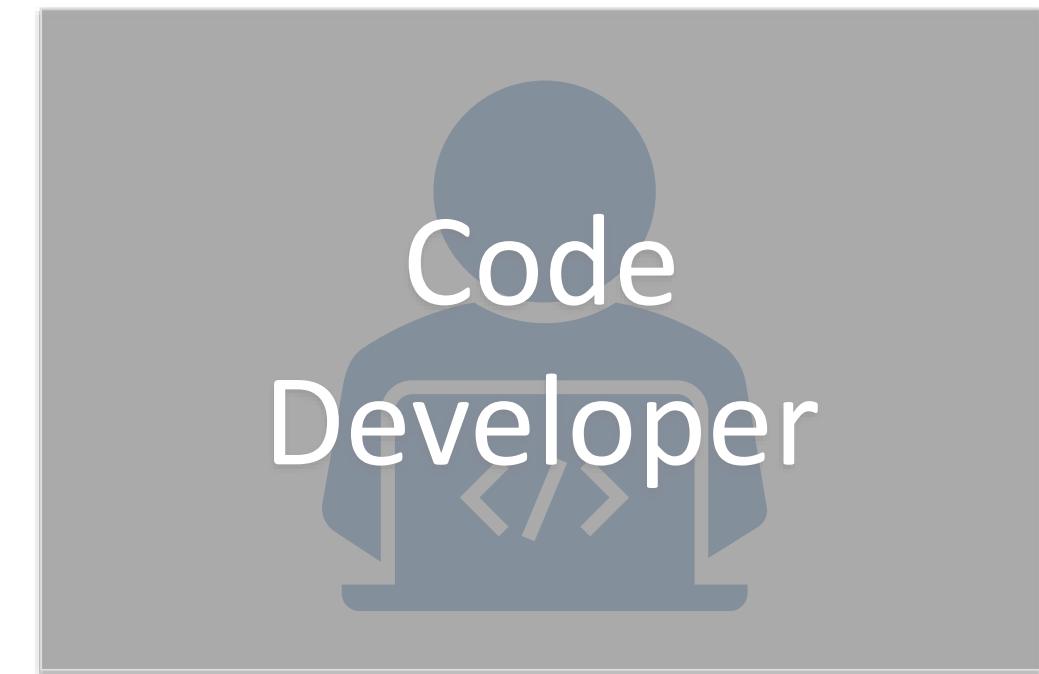
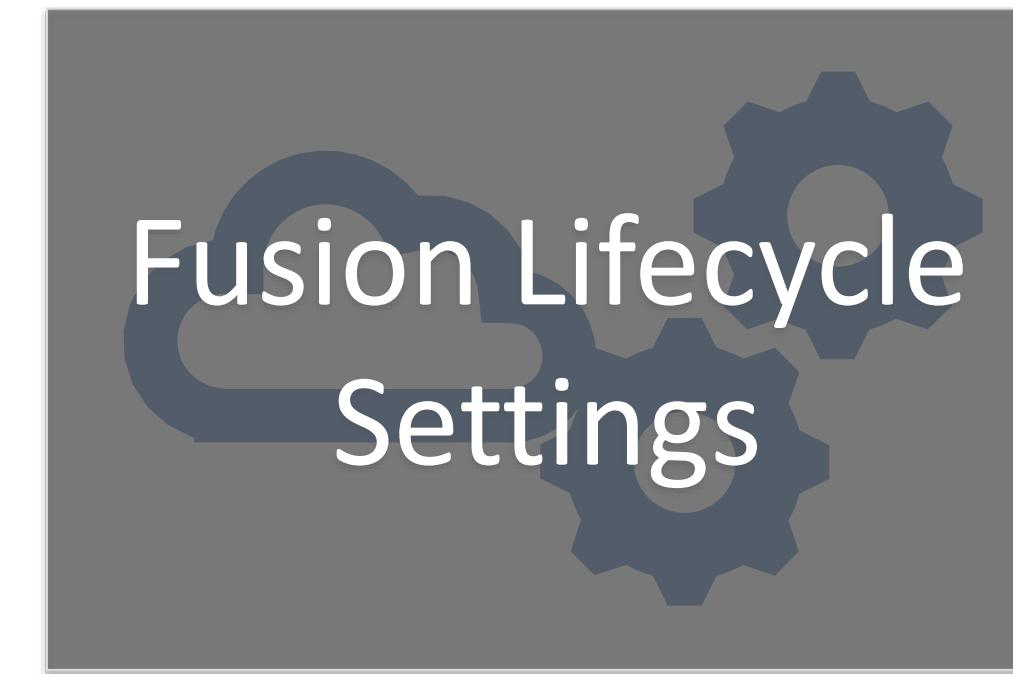
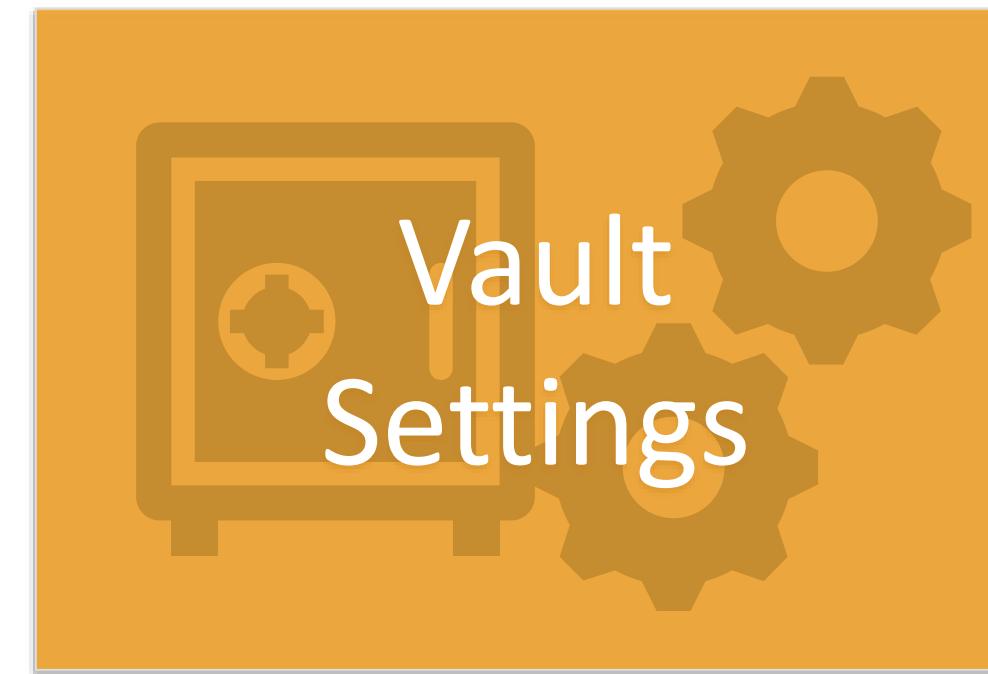
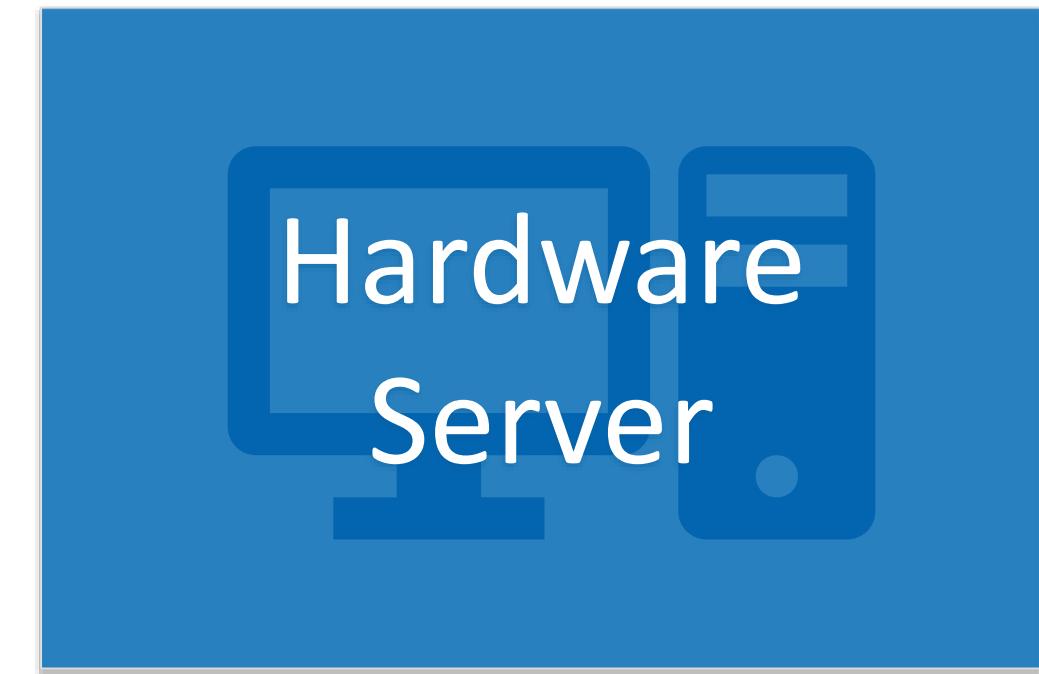
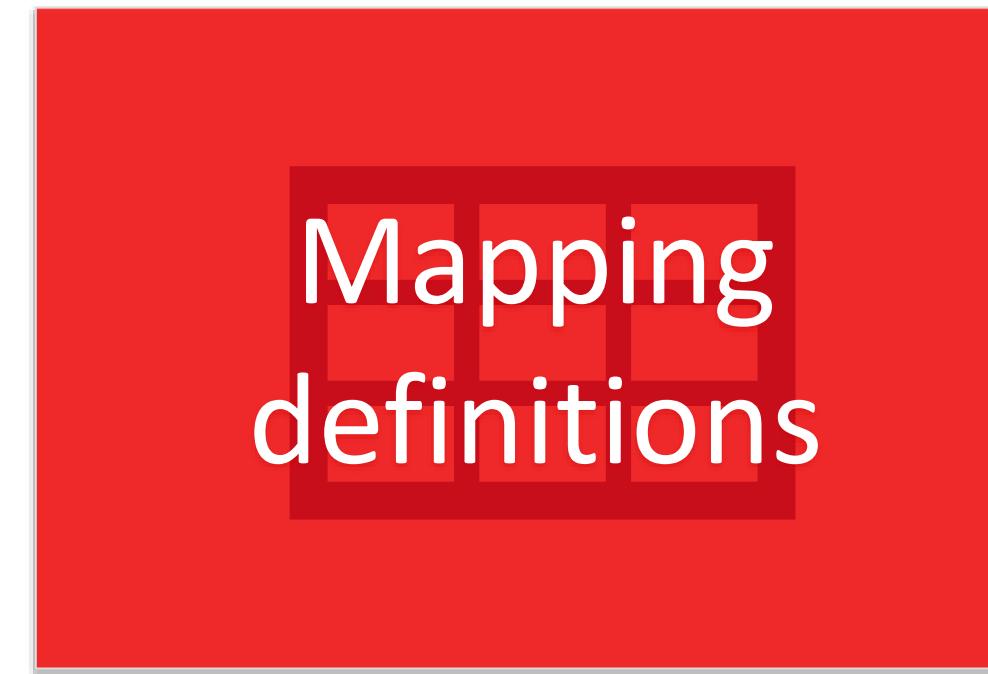
Advantages of the Vault Fusion Lifecycle Connector

Vault Fusion Lifecycle Connector

=

vaultFLC

Developing an Interface by yourself?



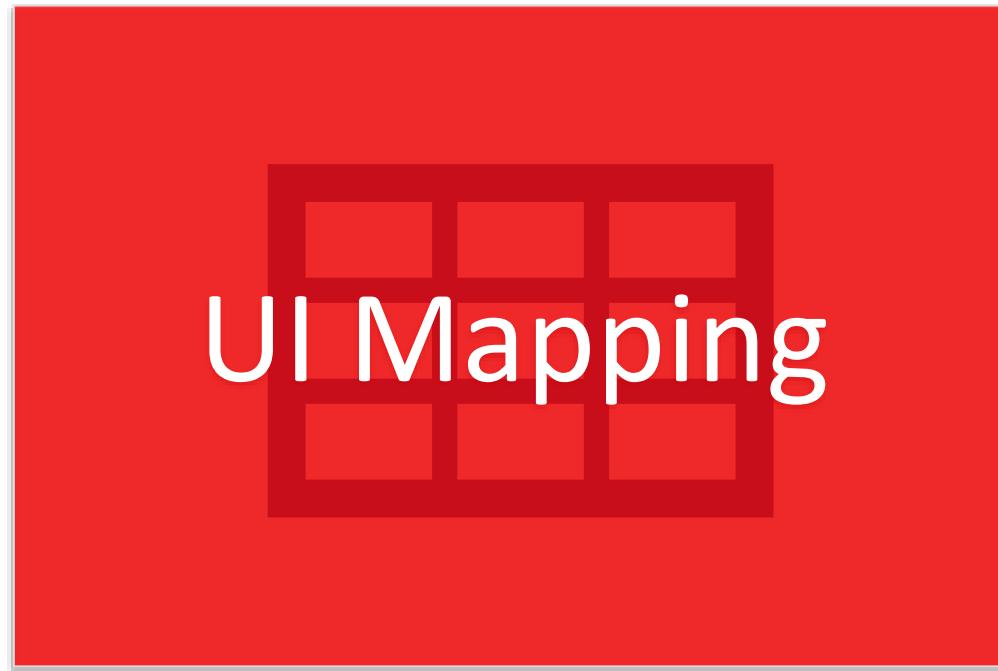


Vault Fusion Lifecycle Connector

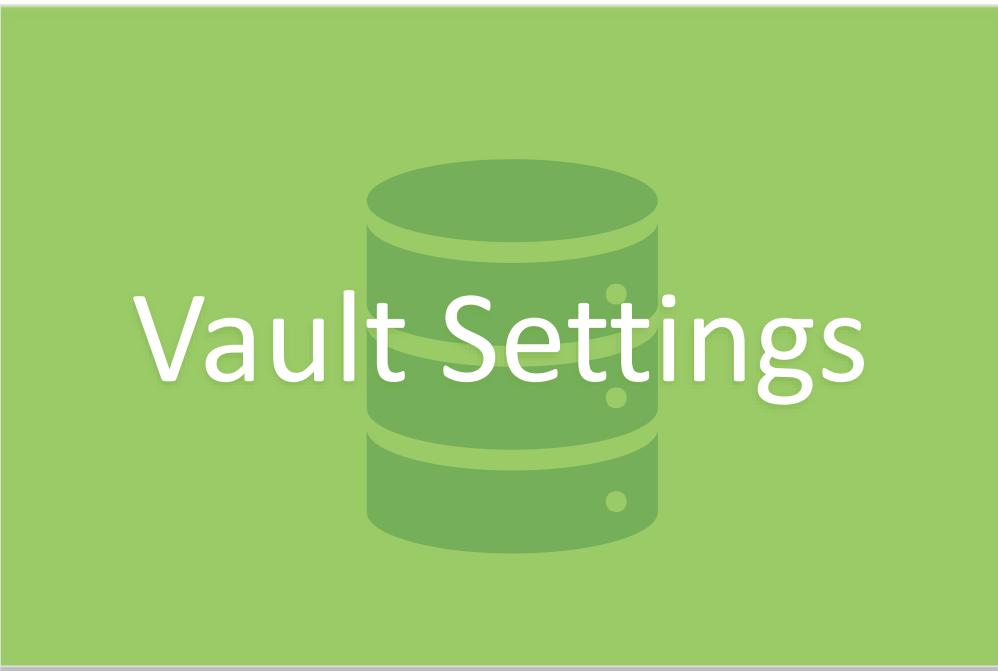
vaultFLC



Workflows



UI Mapping



Vault Settings



Job Processor

PDM and PLM United: Vault Fusion Lifecycle Connector

Easy? Easy!



What can you archive in
less than 5 minutes?



Download and Install vaultFLC

Setup Communication between
Vault and Fusion Lifecycle



Welcome to your side of Autodesk Data Management



Load

your data

Enhance

your processes

Connect

your systems

Google

Search Google or type a URL



Add shortcut

Customize

AU 2019 Vault Fus...

APIs

APIs this app will be able to access.



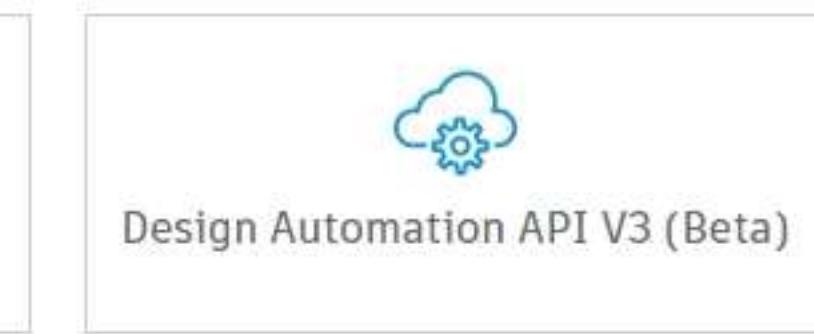
BIM 360 API



Data Management API



Design Automation API



Design Automation API V3 (Beta)



Model Derivative API



Reality Capture API



Token Flex Usage Data API



Webhooks API

App information (created on 11 Oct 2019)

Basic information about your app.

Client ID

HBsY4bGTWXm5sJdF1gZJiu3QSVBL5vJE

Client Secret

REGENERATE

App Name

AU 2019 Vault Fusion Lifecycle Connector

Autodesk Vault Professional 2020

File Edit View Go Tools Actions Help

New Standard File... Edit File Datasheet... Job Dialog Create PDF Share View Download from Cloud Drive

Worklist Pane Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

AUTODESK® VAULT

Vault 2020 Family of Products

Autodesk® Vault is purpose-built to help you more efficiently manage your engineering data, improve collaboration within your teams, and take control of your product development processes. Vault is tightly integrated with more than 30 Autodesk design applications and provides powerful revisioning and access control capabilities. With simplified installation and optional multi-site scalability, Vault is used by Autodesk customers worldwide to connect their people and processes so they can get more done, better, in less time.

Project Sync to BIM 360

Customers leveraging Vault as their enterprise solution across the globe and beyond the firewall will benefit from several improvements. Project Sync within Vault Professional 2020 has been extended to support Vault customers in the infrastructure and civil engineering market for streamlined collaboration with their extended project team by having a bi-directional connection with BIM 360.

Copy Design Enhancements

Vault 2020 enhanced user interface makes the copy design workflow easy to understand as well as adds powerful enhancements. Copy Design is now a modeless dialog, and you can go to the source as well as destination file location by selecting the file in the main grid. The copy design dialog can now remain open while you use the Vault client for other commands as well as add files to be copied.



Install Workspace from FLC App Store



Fusion Lifecycle x +

colorangeintegration.autodeskplm360.net/admin#section=setuphome&tab=appstore

AUTODESK FUSION LIFECYCLE Christian Gessner | Dashboard | Help

Main Menu Reports Tools Administration

Administration App Store

Welcome to the Fusion Lifecycle App Store



Quality Management

Quality Management Powered by Autodesk Fusion Lifecycle delivers the tools manufacturers need to collect and analyze quality data, define inspection standards, track and communicate non-

[More information](#)

Lean 5S Auditing

The Lean 5S Audit app, helps you to check that all the 5S processes have been carried out correctly. This app helps you to audit the processes for Sort, Straighten, Shine, Standardization and Sustain.

[More information](#)

Manufacturing Asset Management

Get the tools you need to collect and analyze data related to assets so you can keep them available and in good shape.

[More information](#)

Equipment calibration

Equipment calibration is a necessary part of any production line, calibration can be painless with proper planning and tracking. With Equipment calibration app you can add all of your calibration

[More information](#)

FMEA Analysis

Use the Failure mode and effect analysis (FMEA) app to review as your components, assemblies, and subsystems and record the results for each type for Functional, Design or Process FMEA analysis.

[More information](#)

Accident Reports

Avoid penalties and keep a complete record of work-related injuries with the Accident Report App powered by Autodesk Fusion Lifecycle.

[More information](#)

Design Review

Manage your design review requirements, issues, concerns, and discuss alternatives with the Design Review App powered by Autodesk Fusion Lifecycle.

[More information](#)

Field Failure Request

The Field Failure Request App powered by Autodesk Fusion Lifecycle enables your field technicians to communicate quality issues onsite on any device, and at any time.

[More information](#)

Return Merchandise Authorization

The Return Merchandise Authorization App powered by Autodesk Fusion Lifecycle provides a standardized and repeatable means to manage the RMA process.

[More information](#)

Document Control

The Document Control App powered by Autodesk Fusion Lifecycle provides an effective and secure means to distribute, enforce standards, and manage change of your documents.

[More information](#)

Customer Management

The Customer Management App powered by Autodesk Fusion Lifecycle can connect your customer data to all of your processes currently or soon to be managed by Autodesk Fusion Lifecycle.

[More information](#)

Marketing Asset Management

Marketing Asset Management app can be used for the management, control, tracking, and distribution of brand assets, marketing materials, sales tools and creative materials.

[More information](#)

CE Marking

Use the CE Marking App to manage your approval stages needed for the affixing of the CE marking on your product. Track when the EC Declaration of

Supplier Quarterly Business Review (SQBR)

Supplier Quarterly Business Review (SQBR) helps everyone in the organization to visualize the Supplier Performance

Supplier Corrective Action Request (SCAR)

A supplier quality action report (SCAR) was derived from the need to issue suppliers a corrective action to a problem that occurred due to their product or

Octopart - Item & BOM

The Octopart - Item & BOM app allows you to create part items that link automatically to the Octopart search engine. Octopart develops search technology

AUTODESK FUSION LIFECYCLE

Windows Taskbar

F Fusion Lifecycle x +

← → C 🔒 colorangeintegration.autodeskplm360.net/admin#section=setuphome&tab=workspaces

AUTODESK FUSION LIFECYCLE Christian Gessner | Dashboard | Help

Main Menu Reports Tools Administration

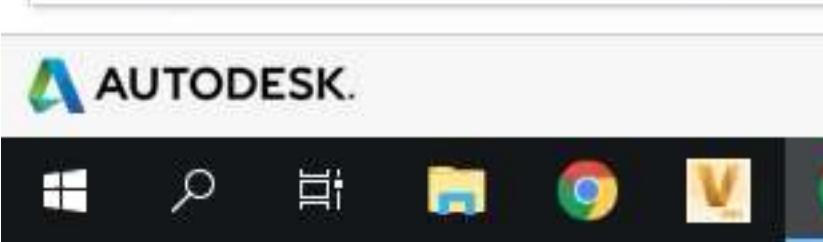
Administration Workspace Manager

- ▶ Problem Report - Basic Workspace with workflow
- ▶ Product Description Generator - Basic Workspace
- ▶ Products - Basic Workspace with workflow
- ▶ Project Task Template - Basic Workspace
- ▶ Return Merchandise Authorization - Basic Workspace with workflow
- ▶ SCAR Supplier Corrective Action Request - Basic Workspace with workflow
- ▶ SQBR Supplier Quarterly Business Review - Basic Workspace with workflow
- ▶ Suppliers - Supplier Management with workflow
- ▶ Tasks - Basic Workspace with workflow
- ▶ Training - Basic Workspace with workflow

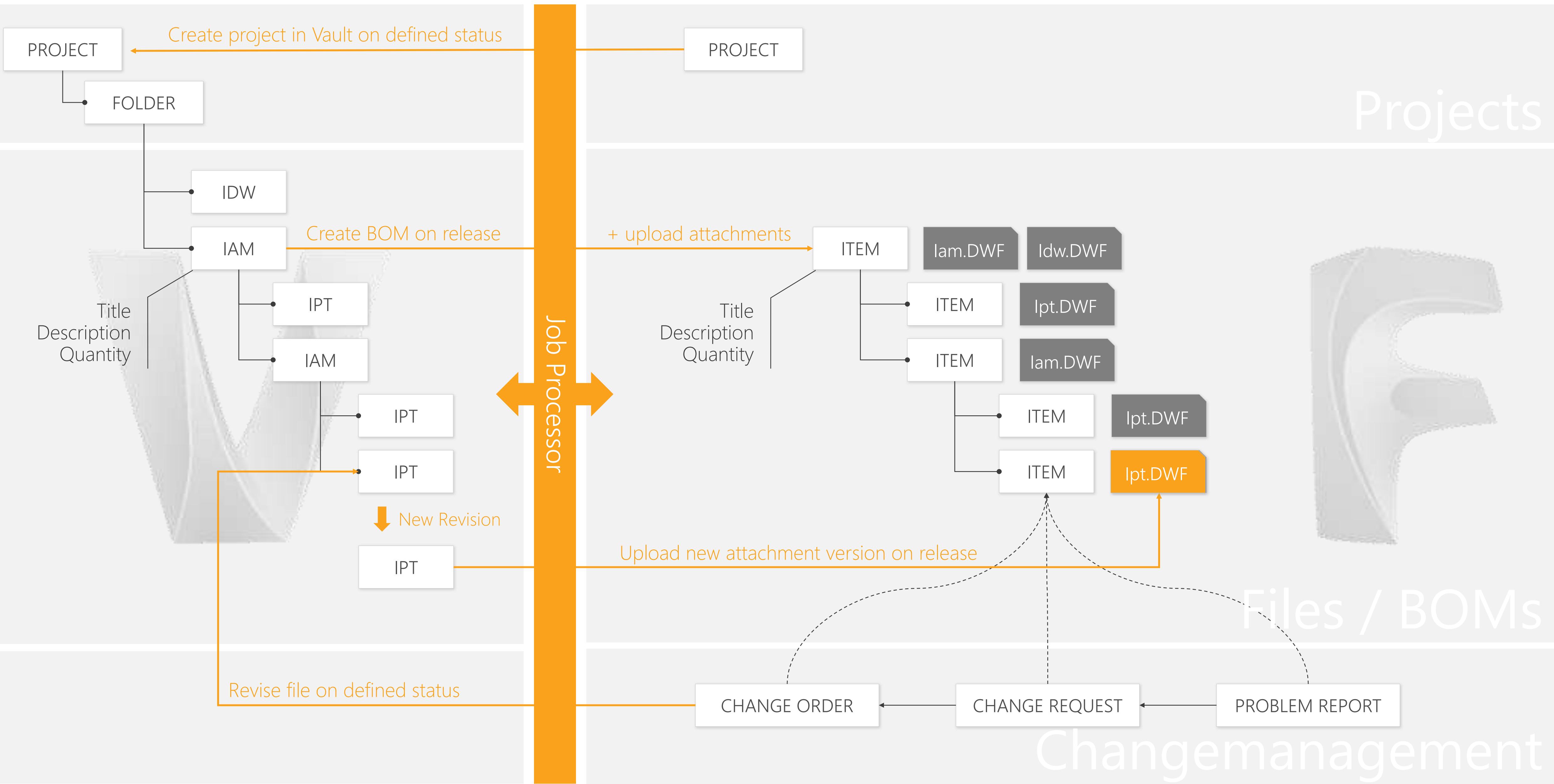
▼ Vault Items and BOMs - Revision Controlled Workspace

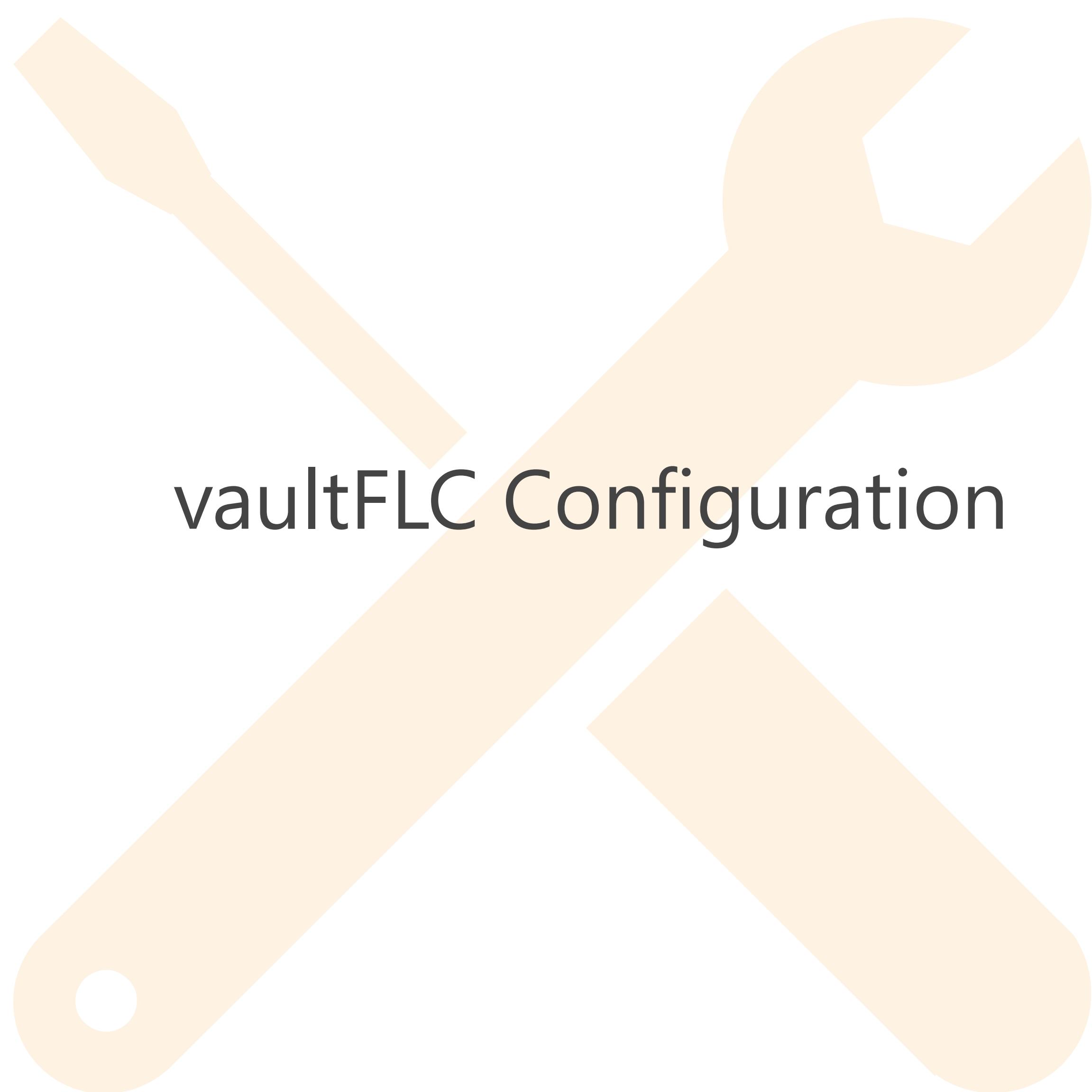
Workspace Settings	The name, description, type of this workspace and other details	
Item Details Tab	Configure fields and sections, customize layout and add validation in the Item Details tab	
Descriptor	Specify the fields from Item Details tab that should be part of the workspace's descriptor	
Grid Tab	Configure columns, customize layout and add validation in the Grid Tab	
Managed Items Tab	Configure custom columns, customize layout and add validation in the Managed Items Tab.	
Bill of Materials Tab	Configure custom columns, customize layout and add validation in the Bill of Materials Tab.	
Sourcing Tab	Configure custom columns, customize layout and add validation in the Sourcing Tab.	
Workspace Relationships	When adding items in the Bill of Materials, Relationships, and Managed Items Tabs configure which workspaces are available	
Tab Names	Override the default tab names and change their order	
Print Views	Configure print views of this workspace	
Advanced Print Views	Configure advanced print views of this workspace	
Behaviors	Configure behaviors of this workspace	

AUTODESK FUSION LIFECYCLE



Predefined/Standard Workflows





vaultFLC Configuration

Autodesk Vault Professional 2020

File Edit View Go Tools Actions Help

ToolBarsList Details... New Standard File... Edit File Datasheet... Job Dialog Create PDF Share View Download from Cloud Drive

Worklist Pane Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

Home

MFG319298 - Administrator

- Change Order List
- Item Master
- Project Explorer (\$)
- Classes
- Factory Asset
- Factory Layout
- Groups
- Main Groups
- Organisations
- Persons
- Segments
- Sub Groups
- Tasks
- Terms
- My Search Folders

My Worklist

ECO-000002 (31.07.2018)

My Shortcuts

Blower

Fusion Lifecycle Projects

Add new group

Home

Project Explorer

Classes

Factory Asset

Factory Layout

10 Object(s) (0 selected)

AUTODESK® VAULT

Vault 2020 Family of Products

Autodesk® Vault is purpose-built to help you more efficiently manage your engineering data, improve collaboration within your teams, and take control of your product development processes. Vault is tightly integrated with more than 30 Autodesk design applications and provides powerful revisioning and access control capabilities. With simplified installation and optional multi-site scalability, Vault is used by Autodesk customers worldwide to connect their people and processes so they can get more done, better, in less time.

Project Sync to BIM 360

Customers leveraging Vault as their enterprise solution across the globe and beyond the firewall will benefit from several improvements. Project Sync within Vault Professional 2020 has been extended to support Vault customers in the infrastructure and civil engineering market for streamlined collaboration with their extended project team by having a bi-directional connection with BIM 360.

The diagram illustrates the Project Sync to BIM 360 integration. A central Vault server icon is connected via a cloud to several external entities: an Engineering Manager, Civil Engineer, MEP Engineer, Analyst, Procurement MGR, Owners/Customers, Contractors, Engineering Service provider, and Main Consultants. Each entity is represented by a user icon and associated with specific roles and access levels.

Copy Design Enhancements

Vault 2020 enhanced user interface makes the copy design workflow easy to understand as well as adds powerful enhancements. Copy Design is now a modeless dialog, and you can go to the source as well as destination file location by selecting the file in the main grid. The copy design dialog can now remain open while you use the Vault client for other commands as well as add files to be copied.

The screenshot shows the Autodesk Vault Copy Design dialog box. The dialog includes tabs for 'Copy Design' (selected), 'Configure', 'Autodesk', 'Refresh', 'Default Rule Set', and 'Layout'. It features a 'Destination Name' dropdown, 'Source Path' dropdown, and a 'Copy' button. The main grid displays objects with columns for 'Name', 'Type', 'Status', and 'Actions'. A status bar at the bottom indicates '10 Object(s) (0 selected)'.

Properties

vm-2020 MFG319298 Administrator

Autodesk Vault Professional 2020

File Edit View Go Tools Actions Help

ToolBarsList Details... New Standard File... Edit File Datasheet... Job Dialog Create PDF Share View Download from Cloud Drive

Worklist Pane Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

Home

MFG319298 - Administrator

- Change Order List
- Item Master
- Project Explorer (\$)
- Classes
- Factory Asset
- Factory Layout
- Groups
- Main Groups
- Organisations
- Persons
- Segments
- Sub Groups
- Tasks
- Terms
- My Search Folders

My Worklist

ECO-000002 (31.07.2018)

My Shortcuts

Blower

Fusion Lifecycle Projects

Add new group

Home

Project Explorer

Classes

Factory Asset

Factory Layout

Copy Design Enhance

Vault 2020 Family of P

Autodesk® Vault is purpose-built to control of your product development, revisioning and access control capabilities worldwide to connect their people a

Project Sync to BIM 30

Customers leveraging Vault as the globe and beyond the firewall will Project Sync within Vault Professional support Vault customers in the market for streamlined collaboration by having a bi-directional connection

Vault FLC Connector Settings

Fusion Lifecycle Authentication

Tenant Name: colororangeintegration

Projects Change Orders Files Items / BOMs

Pull Fusion Lifecycle Projects to Vault Projects, on time interval

Activate Project Synchronization

Fusion Lifecycle

Workspace: Products

Project Name: Number

Valid States: Development, Production

Vault

Target Folder: \$/Designs/Fusion Lifecycle Projects

Folder Category: Project

Copy Folder Structure from Template Folder when new Folders are created in Vault

Folder Structure Template Folder: \$/Templates/Fusion Lifecycle

Property Mapping

Fusion Lifecycle	Vault
Description	Description
Number	Project Number

New

Delete

Scheduled Job

Interval: 10 Minutes Priority: 100

Save Cancel

Vault 2020 enhanced user interface makes the copy design workflow easy to understand as well as adds powerful enhancements. Copy Design is now a modeless dialog, and you can go to the source as well as destination file location by selecting the file in the main grid. The copy design dialog can now remain open while you use the Vault client for other commands as well as add files to be copied.

Properties

min your teams, and take ns and provides powerful by Autodesk customers

Owners/ Customers/ Contractors

Engineering Service provider

Main Consultants

10 Object(s) (0 selected)

vm-2020 MFG319298 Administrator

Autodesk Vault Professional 2020

File Edit View Go Tools Actions Help

ToolBarsList Details... New Standard File... Edit File Datasheet... Job Dialog Create PDF Share View Download from Cloud Drive

Worklist Pane Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

AUTODESK® VAULT

Vault 2020 Family of Products

Autodesk® Vault is purpose-built to help you more efficiently manage your engineering data, improve collaboration within your teams, and take control of your product development processes. Vault is tightly integrated with more than 30 Autodesk design applications and provides powerful revisioning and access control capabilities. With simplified installation and optional multi-site scalability, Vault is used by Autodesk customers worldwide to connect their people and processes so they can get more done, better, in less time.

Project Sync to BIM 360

Customers leveraging Vault as their enterprise solution across the globe and beyond the firewall will benefit from several improvements. Project Sync within Vault Professional 2020 has been extended to support Vault customers in the infrastructure and civil engineering market for streamlined collaboration with their extended project team by having a bi-directional connection with BIM 360.

Copy Design Enhancements

Vault 2020 enhanced user interface makes the copy design workflow easy to understand as well as adds powerful enhancements. Copy Design is now a modeless dialog, and you can go to the source as well as destination file location by selecting the file in the main grid. The copy design dialog can now remain open while you use the Vault client for other commands as well as add files to be copied.

Properties

10 Object(s) (0 selected)

vm-2020 MFG319298 Administrator

PDM and PLM United: Vault Fusion Lifecycle Connector

vaultFLC in Action



Autodesk Vault Professional 2020

File Edit View Go Tools Actions Help

ToolBarsList Details... Labels... New Standard File... Edit File Datasheet... Job Dialog Create PDF Share View Download from Cloud Drive

Default View Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

Project Explorer

- Project Explorer (\$)
 - Content Center Files
 - Designs
 - ItemBOMs
 - Libraries
 - Plot Sets
 - Sync BIM 360
 - Sync F Team
 - Templates
 - xDMIS
- My Search Folders

Designs

Name	State	Revision	Part Number	Description	Project Number
CAD Admins ONLY				Accessible to 'Configuration Administrators' group members ...	
DXF				Replacement for system library	
Factory Asset Library				Repository for source files of published asset library compone...	
Factory Asset Library Source				Data Set of FDU Tutorial Download	
FDU Tutorial				Predefined Import Folder	
Fusion Lifecycle Projects				Public available sample data	
Imported Data				FDU Demo FY20	
Inventor Sample Data				Laminating Plant	
P-00000	Order			Piping Suspension Trolley	
P-00001	Bid			Taylored Airblow Device 40kW	
P-00003	Order				
P-00014	Order				

Properties

Designs

System	
Category Name	Folder
Create Date	05.03.2018 16:54
Created By	CAD Admin
Current Owner	VM-2020\AUTODESKVULT
Folder Path	\$/Designs
Leased Until	16.09.2019 11:58
Lifecycle Definition	
Name	Designs
Obsolete	False
Property Compliance	Compliant
State	
User Defined	
Description	Inventor Workspace, recommend...
Title	Design and Engineering

My Shortcuts

- Blower
- Suspension Fork
- Fusion Lifecycle Projects

Add new group

Home

Project Explorer

Classes

Factory Asset

Factory Layout

25 Object(s) (0 selected)

vm-2020 MFG319298 Administrator

Autodesk Vault Professional 2020

File Edit View Go Tools Actions Help

ToolBarsList Details... Rename... Open Item... Labels... New Standard File... Edit File Datasheet... Job Dialog Create PDF Share View Download from Cloud Drive Upload to Cloud Drive

Default View Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

Project Explorer

- Designs
 - CAD Admins ONLY
 - DXF
 - Factory Asset Library
 - Factory Asset Library Source
 - FDU Tutorial
 - Fusion Lifecycle Projects
 - Imported Data
 - Inventor Sample Data
 - Car Seat
 - Fishing Rod Model
 - Inventor CAM
 - Inventor TolAnalysis
 - Jet Engine Model
 - Models
 - 3D Annotation
 - AEC Exchange
 - Assemblies
 - Blower
 - Engine MKII
 - Metal Container
 - Personal Computer
 - Scissors
 - Stapler
 - Suspension
 - Suspension Fork
 - Test Station
 - Tuner
 - Cable & Harness
 - Fabrication
- My Shortcuts
 - Blower
 - Suspension Fork
 - Fusion Lifecycle Projects
- Add new group
- Home
- Project Explorer
- Classes
- Factory Asset
- Factory Layout

10 Object(s) (1 selected)

Suspension Fork

Name	State	Revision	Part Number	Description	Project Number
Components					
Readme Suspension Fork.htm					
Suspension-Fork_Complete.bmp					
Suspension-Fork_Complete.dwfx					
Suspension-Fork_Complete.dwg	For Review	B	Suspension-Fork...		
Suspension-Fork_Complete.dwg.pdf	Released	A	Suspension-Fork...		
Suspension-Fork_Complete.iam	For Review	B	Suspension-Fork...		
Suspension-Fork_Complete.idw	For Review	B	Suspension-Fork...		
Suspension-Fork_Complete.idw.pdf	Released	A	Suspension-Fork...		
Suspension-Fork_Start.iam	Work in Progress	A	Suspension-Fork...		

Search Suspension Fork

History Uses Where Used Change Order Preview CAD BOM Datasheet FLC Connector Administration

Latest For Review

File Name	Revision	State (Historical)	Created By	Checked In	Comment	Lifecycle Definition
Suspension-Fork_Complete.iam	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Dial-Elastomer.iam	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Brace.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Crown.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Damper.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Damper_MIR.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Piston.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Piston_MIR.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Slider.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Slider_MIR.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Tube.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Fork-Tube_MIR.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
Head Tube.ipt	B	For Review	Administrator	14.10.2019 12:00	Under review	PLM Release Process
NF E 25-125 - M3 x 10.ipt	A	Released	CAD Admin	05.03.2018 22:09	Autoloader upload to Vault	Standard Parts Relea...
UNI 5933 - M4 x 12.ipt	A	Released	CAD Admin	05.03.2018 22:09	Autoloader upload to Vault	Standard Parts Relea...

Properties

Suspension-Fork_Complete.iam

System

Category Name	Assembly
Category Name (Historical)	Assembly
Change Order State	
Checked In	14.10.2019 12:00
Checked Out	14.10.2019 12:00
Checked Out By	
Checked Out Local Spec	
Checked Out Machine	
Classification	None
Comment	Under review
Controlled By Change Order	False
Created By	Administrator
Current Owner	VM-2020\AUTODESKVAULT
Date Modified	08.03.2018 12:00
Date Version Created	14.10.2019 12:00
File Extension	iam
File Name	Suspension-Fork_Complete.iam
File Name (Historical)	Suspension-Fork_Complete.iam
File Replicated	True
File Size	525824
Has Drawing	True
Hidden	False
iLogicRuleStatus	
Initial Approver	Administrator
Initial Release Date	08.03.2018 14:39
Item Assignable	True
Latest Released Revision	False
Latest Version	True
Leased Until	16.09.2019 11:58
Lifecycle Definition	PLM Release Process
Lifecycle Definition (Historical)	PLM Release Process
Linked to Item	False
Name	Suspension-Fork_Complete.iam
Number of Attachments	0
Obsolete	False
Original Create Date	05.03.2018 22:09
Originator	CAD Admin
Property Compliance	Compliant
Property Compliance (Historical)	Compliant
Provider	Inventor
Released Revision	False
Revision	B
Revision Scheme	Standard Alphabetic Format
Revision Scheme (Historical)	Standard Alphabetic Format

File Edit View Go Tools Actions Help

ToolBarsList Details... Rename... Labels... Show Data Standard Log Window New Standard File... Edit File Datasheet... Share View Download from Cloud Drive Upload to Cloud Drive

Default View Quick Sync... Workspace Sync... View Properties Grid Change Category... Change State... Change Revision...

Home

- Content Center Files
- Designs
 - AutoCAD E Sample Data
 - AutoCAD M Sample Data
 - CAD Admins ONLY
 - Factory Asset Library
 - Factory Asset Library Sc
 - FDU Tutorial
 - FLC Products
 - Imported Data
 - Inventor Sample Data
 - Boxermotor
 - Car Seat
 - Ember
 - Fishing Rod Model
 - Inventor CAM
 - Inventor TolAnalysi
 - Jet Engine Model
 - Models
 - RCCF
 - 00 standard con
 - 01 supplier com
 - Parts
 - Sub Assemblies
 - Trial Sample Data
 - P-00000
 - P-00001
 - P-00003
 - P-00014
 - P-00022
 - P-00023
 - P-00024
 - P-00025
 - P-00026
 - P-00027
 - SR-0001
 - SR-0002
 - SR-0003
 - SR-0004
 - SR-0005
 - SR-0006
 - Standard
 - Libraries

My Shortcuts

2019-01-002-0002 Clutch Assembly.ipt

Add new group

24 Object(s) (1 selected)

Sub Assemblies

Name	Part Number	State	Revision	Visualization	Attachment
2019-01-002-0002 Clutch Assembly.ipt	Clutch Assembly	Work in Progress	A	System	
2019-01-002-0003 Clutch Housing.ipt	Clutch Housing	Work in Progress	A	System	
2019-01-002-0004 Clutch Internals.ipt	Clutch Internals	Work in Progress	A	System	
2019-01-003-0002 UPPER BEARING BLOCK.ipt	UPPER BEARING BLOCK	Work in Progress	A	System	
2019-01-003-0003 TROWEL WELDMENT.ipt	CF101-TW1	Work in Progress	A	System	
2019-01-003-0004 SPROCKET WELDMENT.ipt	CF101-SPKT-W	Work in Progress	A	System	
CF101-CARRIER.ipt	CF101-CARRIER	Work in Progress	A	System	
CF101-CVR.ipt	CF101-CVR	Work in Progress	A	System	
CF101-DCDC-WH.ipt	CF101-DCDC-WH	Work in Progress	A	System	
CF101-DRVSHAFT.ipt	CF101-DRVSHAFT	Work in Progress	A	System	
CF101-HRMTR.ipt	CF101-HRMTR	Work in Progress	A	System	
CF101-HS-322.ipt	CF101-HS-322	Work in Progress	A	System	
CF101-LATCH.ipt	CF101-LATCH	Work in Progress	A	System	
CF101-LBB-LH.ipt	CF101-LBB-LH	Work in Progress	A	System	
CF101-LBB-LH-WLD.ipt	CF101-LBB-LH-WLD	Work in Progress	A	System	
CF101-LBB-RH.ipt	CF101-LBB-RH	Work in Progress	A	System	
CF101-LBB-RH-WLD.ipt	CF101-LBB-RH-WLD	Work in Progress	A	System	
CF101-SA-L.ipt	CF101-SA-L	Work in Progress	A	System	
CF101-SA-R.ipt	CF101-SA-R	Work in Progress	A	System	

Search Sub Assemblies

Properties

2019-01-002-0002 Clutch Ass...

System

Category Name	Assembly
Category Name (...	Assembly
Change Order State	
Checked In	7/30/2019 2:42 PM
Checked Out	
Checked Out By	
Checked Out Loc...	
Checked Out Mac...	
Classification	None
Comment	Autoloader upload to ...
Controlled By Cha...	False
Created By	schanenb
Current Owner	ECS-BF39FSC9\AUTO...
Date Modified	7/30/2019 2:33 PM
Date Version Crea...	7/30/2019 2:42 PM
File Extension	.ipt
File Name	2019-01-002-0002 Clut...
File Name (Histori...	2019-01-002-0002 Clut...
File Replicated	True
File Size	438784
Has Drawing	False
Hidden	False
iLogicRuleStatus	
Initial Approver	
Initial Release Date	
Item Assignable	True
Latest Released Re...	False
Latest Version	True
Leased Until	7/30/2019 2:42 PM
Lifecycle Definition	PLM Release Process
Lifecycle Definitio...	PLM Release Process
Linked to Item	False
Name	2019-01-002-0002 Clut...
Number of Attach...	0
Obsolete	False
Original Create Da...	7/30/2019 2:42 PM
Originator	schanenb
Property Complia...	Compliant
Property Complia...	Compliant
Provider	Inventor
Released Revision	False
Revision	A
Revision Scheme	Standard Alphabetic F...
Revision Scheme (...	Standard Alphabetic F...
State	Work in Progress
State (Historical)	Work in Progress
Version	1

Shared Views

Car Seats.collaboration

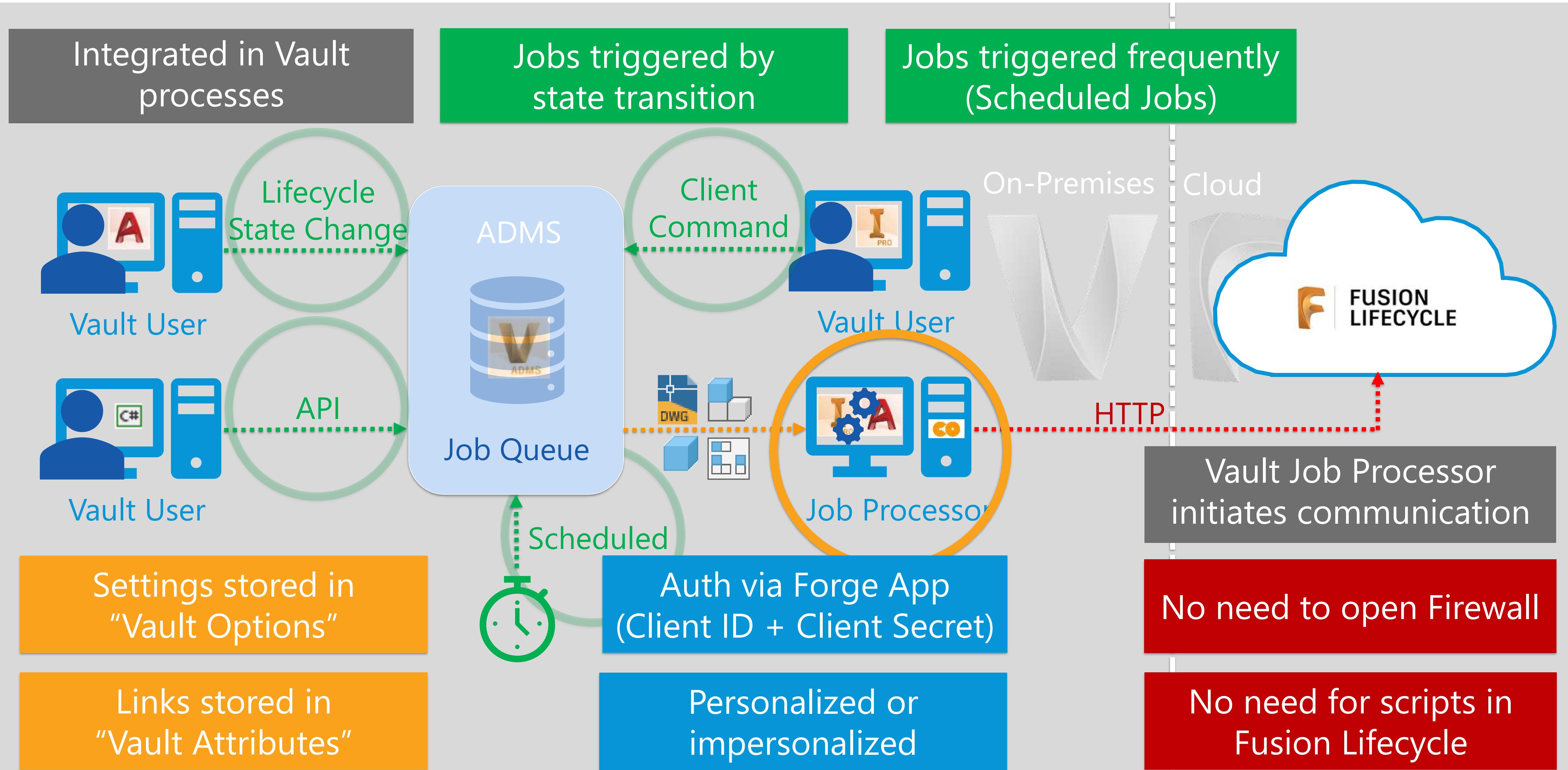
Created on October 22, 2019
Expires in 15 days
2 comments

10.50.92.46 PDMC-Sample schanenb

PDM and PLM United: Vault Fusion Lifecycle Connector

Technical Details

vaultFLC Architecture



System Requirements



VAULT

Vault Professional 2020 or
Vault Professional 2019



JOB PROCESSOR

HTTP Connection



FORGE

Forge App (free)



FUSION LIFECYCLE

Fusion Lifecycle Tenant

Installation + Activation

- Download
 - <http://download.coolorange.com/>
- Installation
 - Job Processor
 - Setup Wizard
- Registration / Activation
 - License.exe (Extensions directory)
 - License: sales@coolorange.com

The screenshot shows a web browser window titled "coolOrange download zone" with the URL "download.coolorange.com". The page displays the "bcpToolkit" software with a "VaultBCP" section. The "VaultBCP" table has four columns: Version, VaultBCP 2020, VaultBCP 2019, and VaultBCP 2018. The rows show the following data:

Version	VaultBCP 2020	VaultBCP 2019	VaultBCP 2018
2017	not supported	not supported	supported
2016	not supported	not supported	supported

Below the table is a file explorer window titled "Vault2FLC" showing the contents of the "ProgramData\Autodesk\Vault 2020\Extensions\Vault2FLC" folder. The "License.exe" file is selected. A "License Information - Vault Fusion Lifecycle Connector" dialog box is open, displaying "License Details" for the product "Vault Fusion Lifecycle Connector - v1.0". The dialog shows the following information:

Product	Vault Fusion Lifecycle Connector - v1.0
Type	StandAlone
SerialNumber	EQ8YW-MTIDIT-VP2NF-SYTVF
Machine Code	5953056E22896C2BBF4182B114C99A011E72D89A24A43D2F60A49275C1CB B2C9

At the bottom of the dialog, there are links for "Register License" and "documentation" and "support".

At the bottom of the page, there is another section titled "vaultFLC" with a table:

Version	Vault 2020	Vault 2019
1	1.0	1.0

Connectivity

- Forge App
 - <https://forge.autodesk.com/myapps/create>
 - No Forge APIs required
 - Arbitrary App Name + Description
 - Arbitrary Callback URL (e.g. http://localhost)
 - Client ID to Fusion Lifecycle Whitelist
- Vault Fusion Lifecycle Connector
 - Tenant
 - Client ID + Client Secret
 - System-User

The screenshot shows two browser windows side-by-side. The top window is titled 'Create App | Autodesk Forge' and displays the URL 'forge.autodesk.com/myapps/create'. It shows a list of available APIs: Model Derivative API, Reality Capture API, Token Flex Usage Data API, and Webhooks API. The bottom window is titled 'Fusion Lifecycle' and displays the URL 'colororangeintegration.autodeskplm360.net/admin#section=setuphome&tab=general&item=config...'. It shows the 'General Settings' section with 'Allow multiple concurrent sessions with the same User ID' set to 'Yes' and a 'Whitelist' entry of 'HBsY4bGTWXm5sJdF1gZJiu3QSvBL5v'. A modal dialog box titled 'vaultFLC Tenant Settings' is open, containing fields for 'Tenant Name' (colororangeintegration), 'Client Id' (HBsY4bGTWXm5sJdF1gZJiu3QSvBL5vJE), 'Client Secret' (redacted), 'Default User Email' (christian.gessner@colororange.com), and a checked 'Prefer current user' checkbox. The 'Save' and 'Cancel' buttons are at the bottom of the modal.

Autodesk Forge Create App Interface:

- URL: forge.autodesk.com/myapps/create
- Available APIs:
 - Model Derivative API
 - Reality Capture API
 - Token Flex Usage Data API
 - Webhooks API

Fusion Lifecycle Administration Interface:

- URL: colororangeintegration.autodeskplm360.net/admin#section=setuphome&tab=general&item=config...
- General Settings:
 - Allow multiple concurrent sessions with the same User ID: Yes
 - Whitelist: HBsY4bGTWXm5sJdF1gZJiu3QSvBL5v, Value: ALLOW-IMPERSONATION
- API V3:

 - Model Derivative API
 - Reality Capture API
 - Token Flex Usage Data API
 - Webhooks API

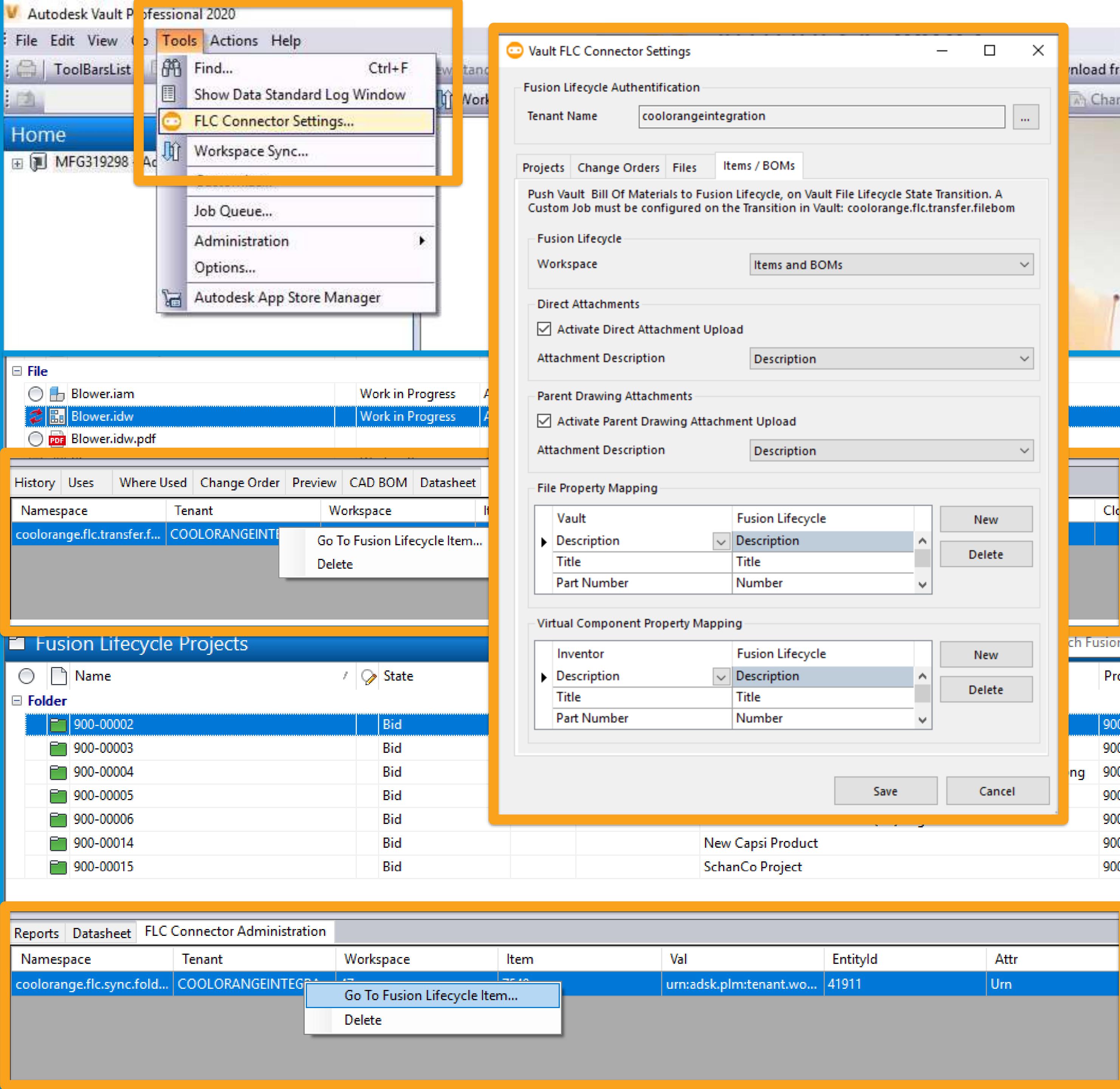
vaultFLC Tenant Settings (Modal Dialog):

Tenant Name	colororangeintegration
Client Id	HBsY4bGTWXm5sJdF1gZJiu3QSvBL5vJE
Client Secret	*****
Default User Email	christian.gessner@colororange.com
Prefer current user	<input checked="" type="checkbox"/>

Buttons: Save, Cancel

Vault Explorer

- Job Processor
- Settings Dialog
 - Workspaces
 - Mappings
- Additional Tabs
 - Files + Folders
 - Shows Vault-FLC Links
 - Go-To Command
 - Delete Command
- For administrative purposes



vaultFLC [coolOrange Wiki] X +

coolOrange Wiki

Trace / coolOrange Documentation / vaultFLC

coolOrange Documental

- ▷ bcpToolkit
- ▷ clever
- ▷ dataLoader
- ▷ jobWatcher
- ▷ License
- ▷ mightyBrowser
- ▷ myFile
- ▷ powerEvents
- ▷ powerGate
- ▷ powerGateServer
- ▷ powerJobs
- ▷ powerVault
- ▷ qJob
- ▷ **vaultFLC**

Activation and Trial
Configuration
Getting Started

- ▷ vaultRuler
- ▷ wiki

vaultFLC

The Vault Fusion Lifecycle Connector (vaultFLC) allows the exchange of data between Vault and Fusion Lifecycle.

Features

Project Synchronization

Synchronizes FLC items to Vault folders/projects using Vaults "Scheduled Jobs".

Change Management

Maps Fusion Lifecycle Change Order states to Vault File Lifecycle states, managing approvals and signoff of vaulted designs from Fusion Lifecycle.

File BOM Transfer

Transfers Vault file metadata, file and drawing attachments as well as Bill Of Material information to Fusion Lifecycle at configurable Vault file lifecycle state changes.

File Synchronization

Documentation

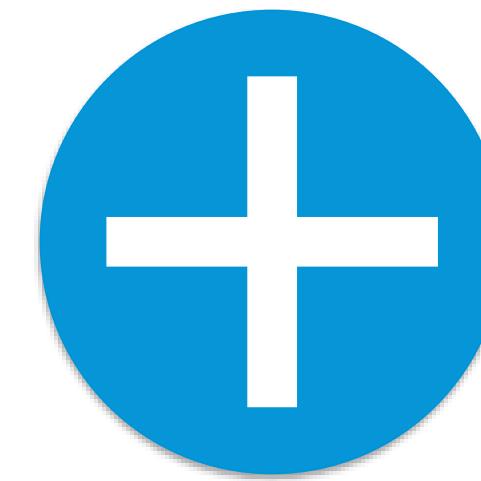


<https://www.coolorange.com/wiki/doku.php?id=vaultflc>

Where to buy?



www.coolorange.com
sales@colororange.com



www.autodesk.com
Autodesk Price List



Help and Support



<https://support.coolorange.com/support/discussions/forums/22000188646>

Home Solutions Forums

How can we help you today?

Enter your search term here...

SEARCH

Knowledge base

General

FAQ (1)

Get Installed Version of coolOrange Product...

Misc (2)

Extract log files and change the log level

Automating Product Installation

powerJobs

Installation (1)

Upgrade powerJobs from earlier versions

Trouble shooting (24)

powerJobs cuts off username when space c...

When creating PDF from AutoCAD drawing...

How to unblock files

powerJobs status bar is on "Processing" af...

Startup-Operation: 'RestrictionChecks' fail...

See all 24 articles

Configuration (23)

How to exclude Model or Layout space wh...

How to manually queue Autodesk Vault jobs

How to handle different paper sizes when ...

How to send emails with powerJobs

How to exclude Layers when exporting Au...

See all 23 articles

powerGate

Configuration (7)

What to consider when using SSL

How to use powerGate with TLS 1.2

Show the status of Vault compared to ERP

How to distribute the BOM Window layout ...

How to update BOM properties in the BOM...

See all 7 articles

Trouble shooting (3)

powerVault Show-Inspector cmdlet fails wi...

The columns in the BOM Window disappear

How to identify problems after an operatio...

Inventor Apps

threadModeler (1)

The threadModeler panel is not visible in t...

PDM and PLM United: Vault Fusion Lifecycle Connector

Extensibility and Additional Software

Extensibility

Additional Software



VAULT
Data Standard



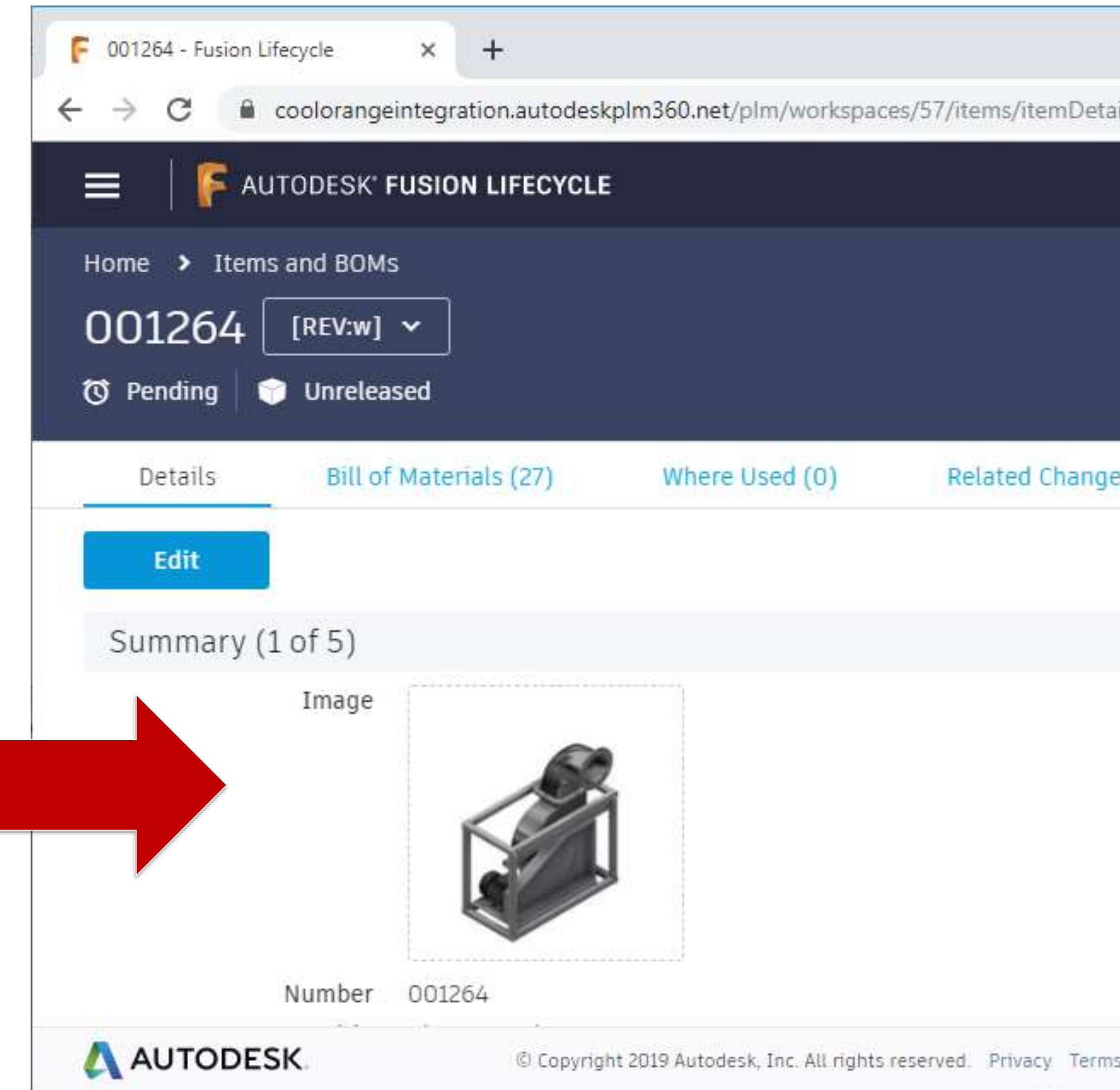
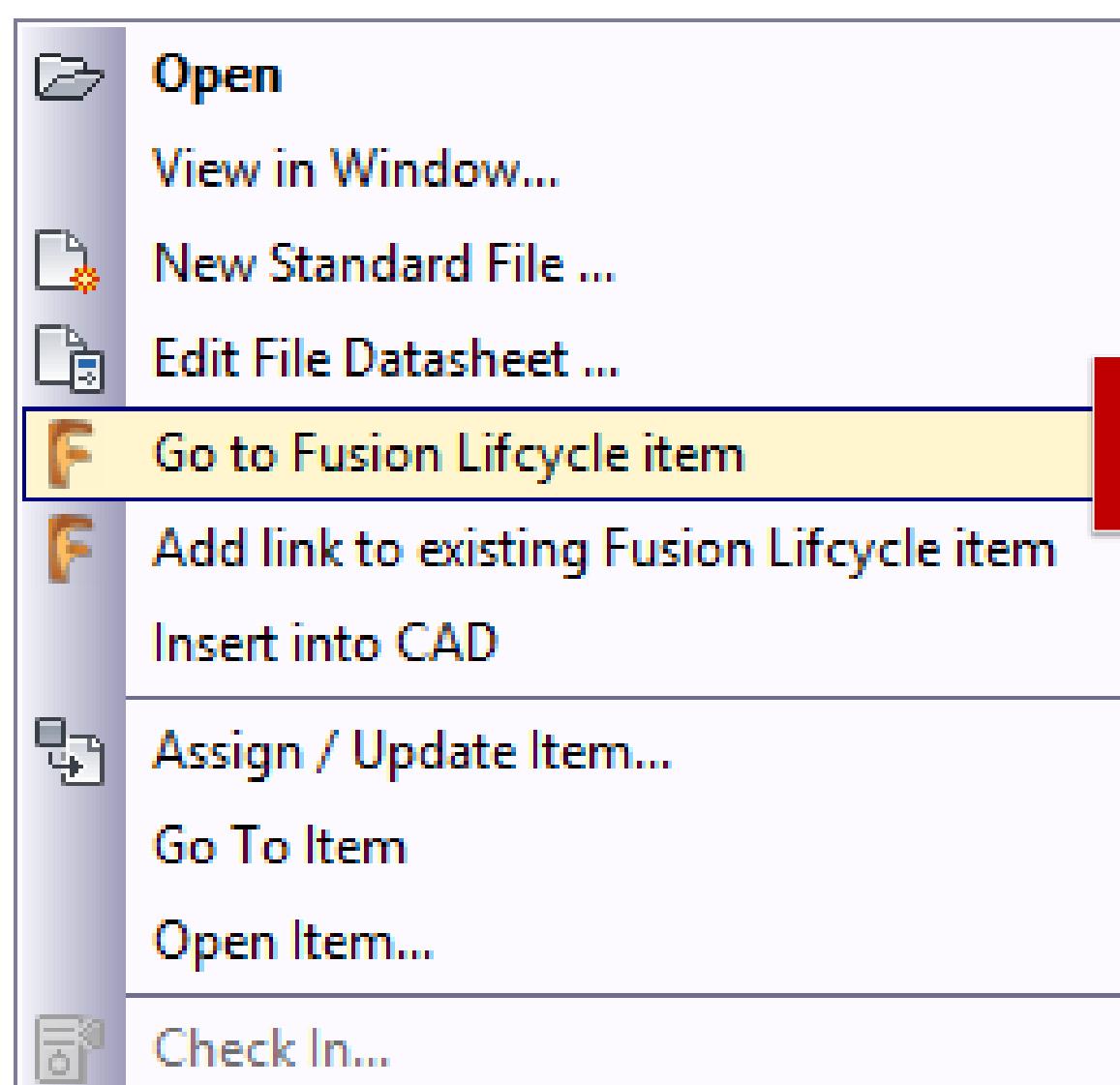
powerEvents

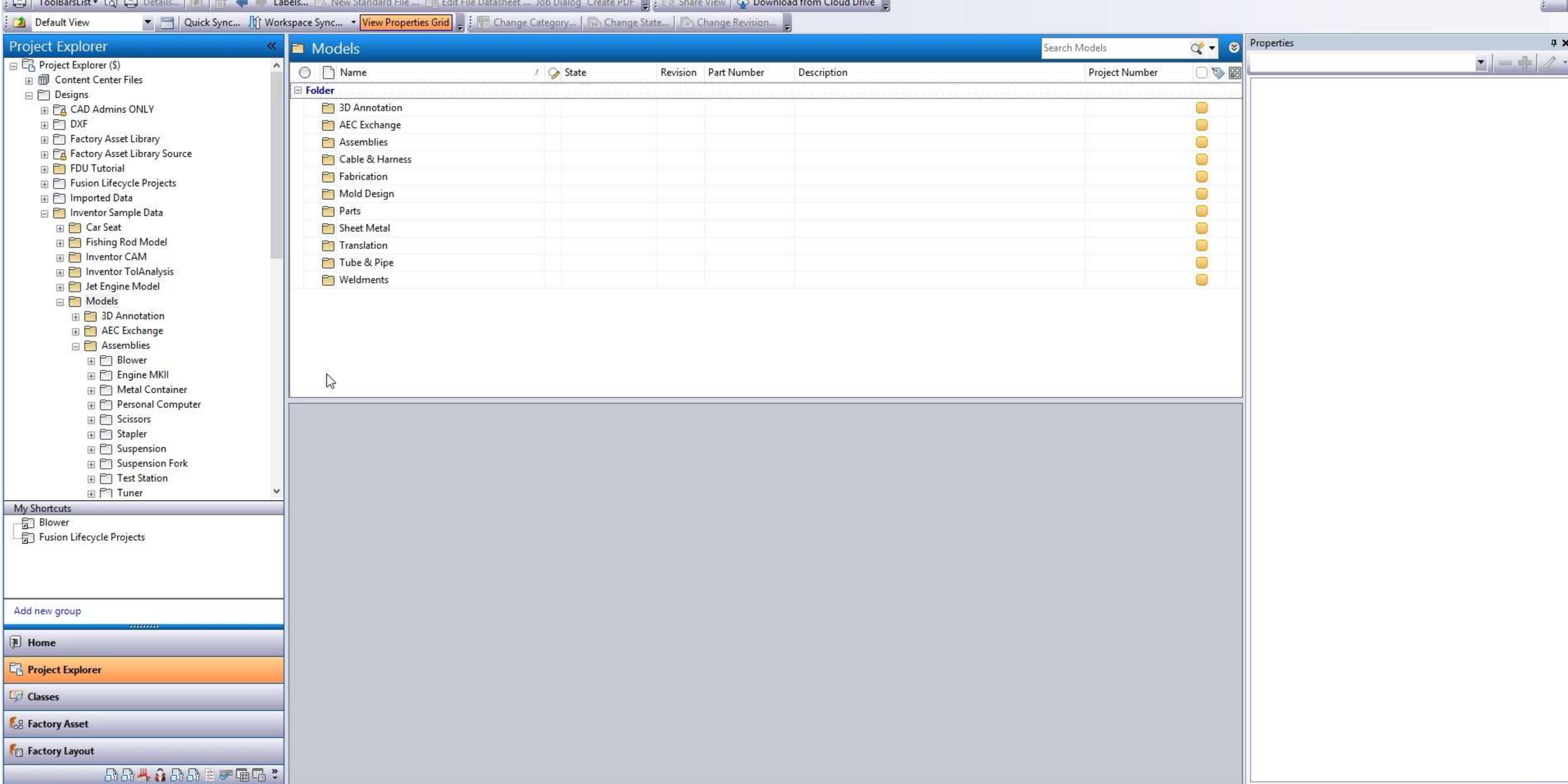


powerJobs

Using Data Standard to create new Commands

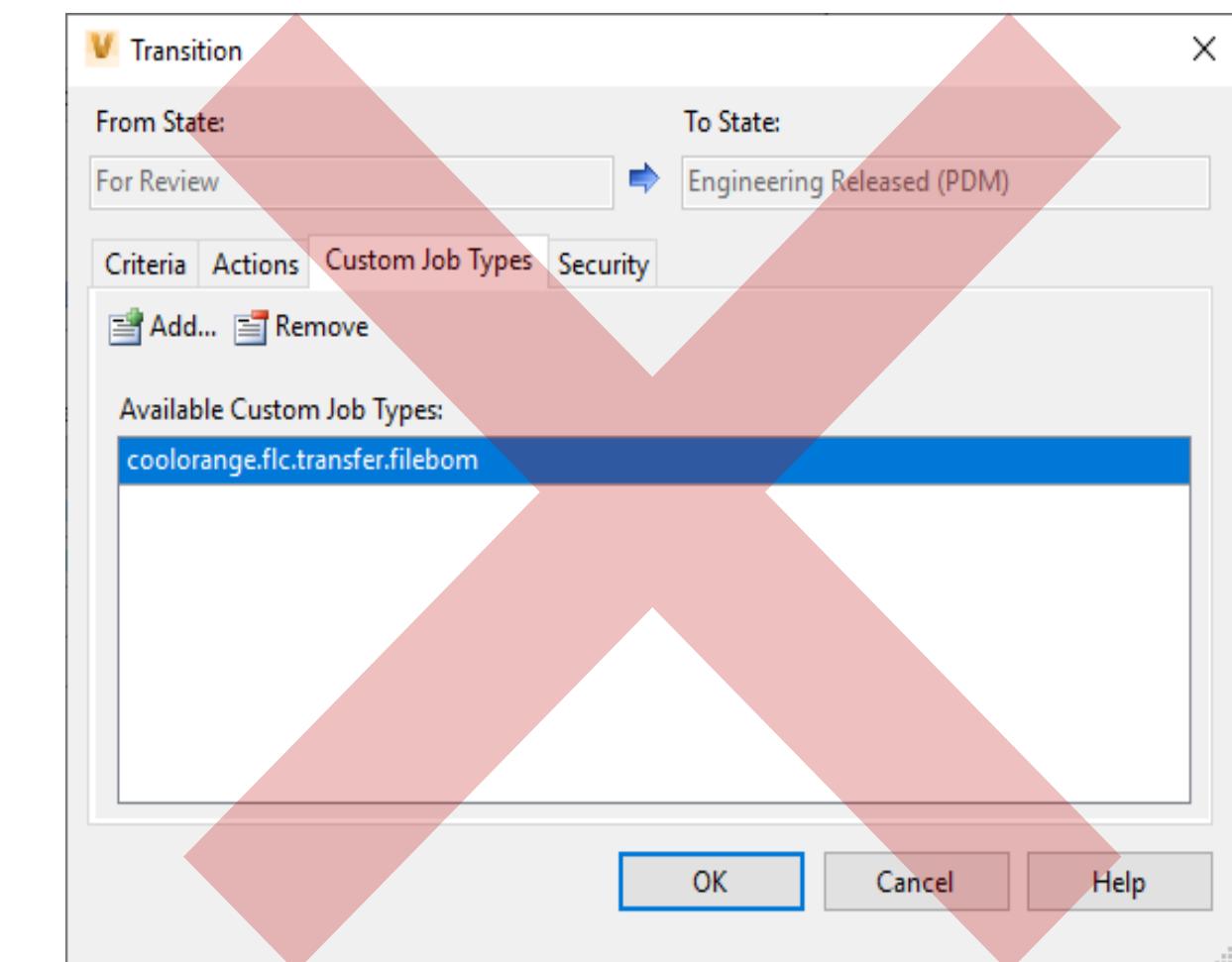
- Navigate from Vault to Fusion Lifecycle Item
- Connect existing Fusion Lifecycle Item with Vault File





Using powerEvents to smartly trigger Jobs

- Examples:
 - Create PDF prior to transfer it to FLC
 - Send files to different workspaces
 - Depending on file type
 - On Release transfer drawings to “Documents”
 - On Release transfer models to “Items / BOMs”



Using powerJobs to create own workflows

- API (PowerShell)
- Examples:
 - Transfer BOM from AutoCAD/SolidWorks/other formats (BOM Blobs)
 - Transfer BOMs based on Vault Items (Item Master)
 - Include Vault Thin/Thick-Client Links
 - Transfer Attachments from FLC to Vault during project creation
 - Transfer native Files (e.g. DWG, Inventor or Office)
 - Synchronize Vault ECOs with Fusion Lifecycle Change Orders Items
 - Synchronize Vault Custom Objects with Fusion Lifecycle Items
 - etc.



More Ideas?



[https://support.coolorange.com/support/discussions/forums/
22000188644](https://support.coolorange.com/support/discussions/forums/22000188644)

Feature Requests : coolOrange support.coolorange.com/support/discussions/forums/22000188644 Welcome Login Sign up

coolOrange coolOrange Home Solutions Forums

How can we help you today? Enter your search term here... SEARCH

Discussions / coolOrange Forums Start a new topic

Feature Requests (39) Customers can voice their ideas here.

Recent Popular Planned In Progress Deferred Implemented Not Taken

	vaultFLC Connector - Autocad Electrical Bill of Material Posted by Scott Stortz, 13 hours ago
	vaultFLC Connector - Change Order Job, process only open Change Orders Posted by Scott Stortz, 13 hours ago
	vaultFLC Connector - Unit of Measure Posted by Scott Stortz, 14 hours ago
	vaultFLC connector Posted by Scott Stortz, 14 hours ago
	vaultFLC Connector - Projects tab, do not sync archived -> Obsolete Posted by Alex Pedersen, a month ago , Last Reply by Alex Quagliato, 25 days ago
	PowerJobs: Automatic login Posted by Dominik Gleinser, 2 years ago , Last Reply by Jim Williams, 2 months ago , 18 votes
	Hyperlinks in FLC back to files in Vault Posted by Curtis Schmidt, 3 months ago , 3 votes
	Create Items & BOMs in FLC and then push to Vault Posted by Curtis Schmidt, 3 months ago , 2 votes

Handout and Additional Material

The screenshot shows a PDF document titled "ClassHandout-MFG319298-Gessner-AU2019.pdf" (page 3 of 27). The document is from Autodesk University and is titled "PDM and PLM United: Vault Fusion Lifecycle Connector – a Zero-Code Connector". It includes sections for Learning Objectives, Description, Speaker(s), Table of Contents, and detailed chapters on the Vault Fusion Lifecycle Connector, its architecture, download/installation, configuration details, and logging.

Table of Contents

PDM and PLM United: Vault Fusion Lifecycle Connector – a Zero-Code Connector

- Learning Objectives
- Description
- Speaker(s)
- Table of Contents
- Vault Fusion Lifecycle Connector a.k.a. vaultFLC
- Architecture
- Download, Installation and Configuration
- Configuration Details
- Logging
- Workflow Details

Speakers

Christine Gessner is a co-Designer and Technical Evangelist at oocForge. In her role, she helps customers to successfully implement and utilize the latest technologies for managing their data and processes. She has over 15 years of experience in developing and implementing data management solutions for various industries. Prior to oocForge, Christine was involved in the development of various data management solutions for different industries.

Brian Schreiner works for Autodesk, Inc., as a Strategic Manager for Autodesk Data Management Solutions. Brian has over 15 years of experience in the industry, the last 10 years working for Autodesk. He is responsible for evangelizing Autodesk PLM and Data Management software solutions internally and externally. Brian has extensive experience in the areas of PLM, Data Management, and Project Management. Prior to Autodesk, Brian worked for various companies in the areas of PLM, Project Management, and Process Management. Brian has over 10 years of PLM and Data Management experience. He is an Autodesk Certified Professional (ACP) and holds several Autodesk Certifications. Brian has experience in project management, process management, and even assisting in deployment of Autodesk software.

Page 3

- Handout
 - Architecture
 - Installation
 - Configuration
 - Logging
 - Workflow Details
- Additional Material
 - Extensibility Examples (Scripts)

GitHub Repository

- AU2019_MFG319298
- Presentation
- Handout
 - Detailed Technical Information
 - Installation Guide
- Extensibility Examples



[https://github.com/christiangessner/
AU2019_MFG319298](https://github.com/christiangessner/AU2019_MFG319298)

PDM and PLM United: Vault Fusion Lifecycle Connector

Q & A



Make anythingTM

Autodesk and the Autodesk logo are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

© 2019 Autodesk. All rights reserved.

