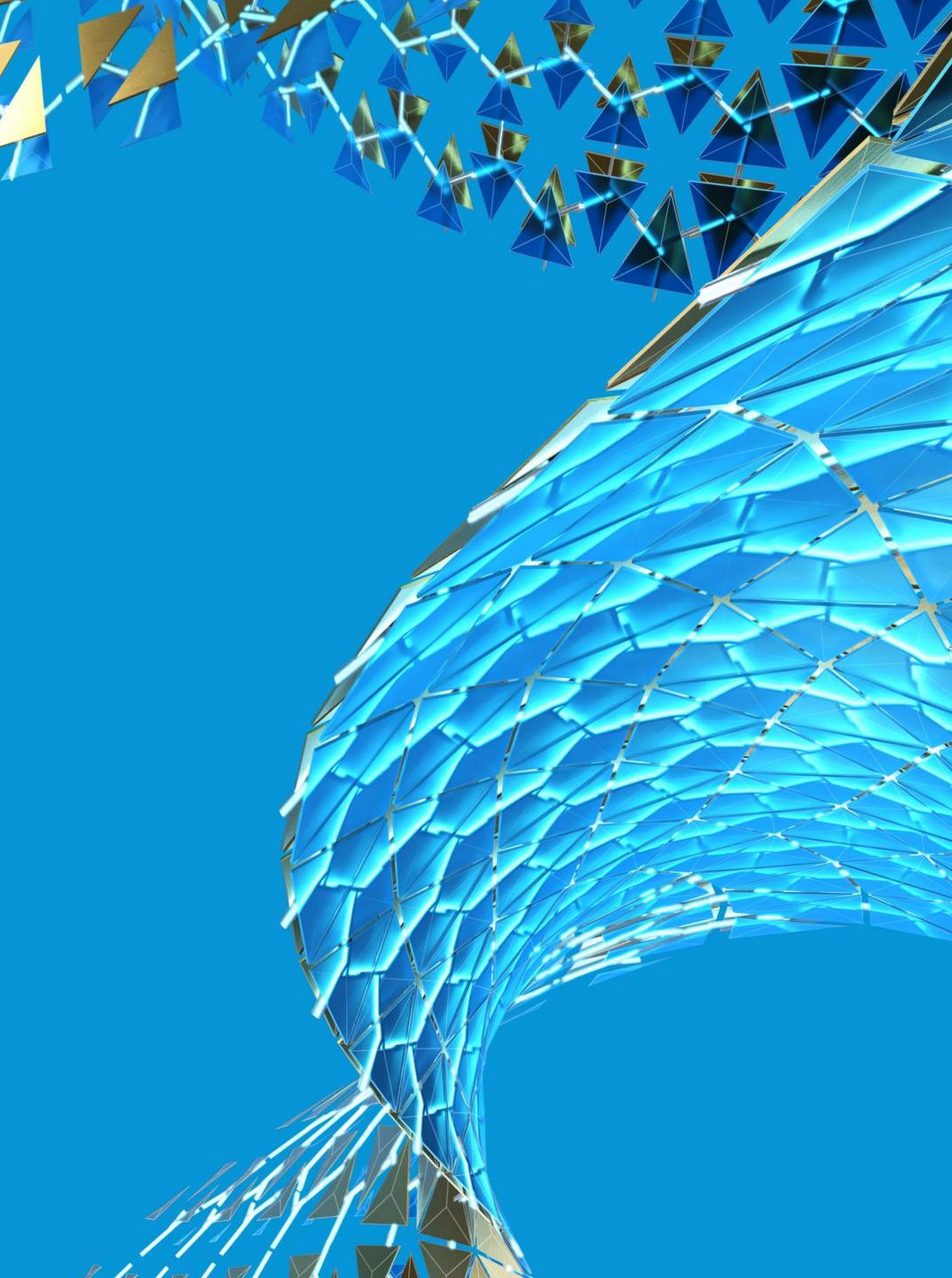


# Looking into the Crystal Ball: The Future of Vault

**Younes Yammouri** 

Sr. Product Manager





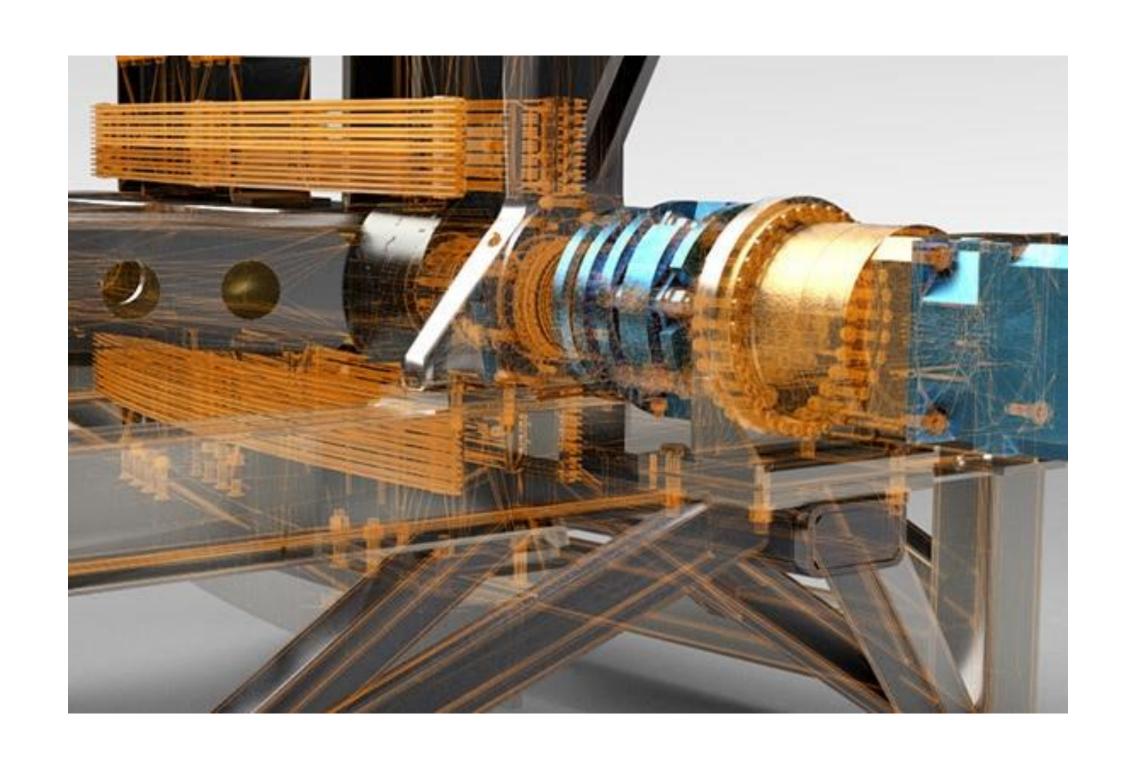
#### Younes Yammouri

Younes Yammouri has been with Autodesk since March 2005 and is currently a Vault product manager. He has spent the last 20 years absorbing and applying product data management technology as technical support, quality assurance engineer, product designer, and product manager. As part of product management role he establish and maintain successful relationships with key customers and partners to ensure successful delivery of customer focused solution.

#### SAFE HARBOR

We may make statements regarding planned or future development efforts for our existing or new products and services. These statements are not intended to be a promise or guarantee of future availability of products, services or features but merely reflect our current plans and based on factors currently known to us. These planned and future development efforts may change without notice. Purchasing decisions should not be made based upon reliance on these statements.

These statements are being made as of 10-28-2020 and we assume no obligation to update these forward-looking statements to reflect events that occur or circumstances that exist or change after the date on which they were made. If this presentation is reviewed after 10-28-2020, these statements may no longer contain current or accurate information.



### A glimpse of the future

Our roadmap is by no means a comprehensive list of everything coming in Vault. We simply want to give you a glimpse of what we're working on for the future to get a sense of focus areas and direction.

## Modern, Connected & Insightful Experience



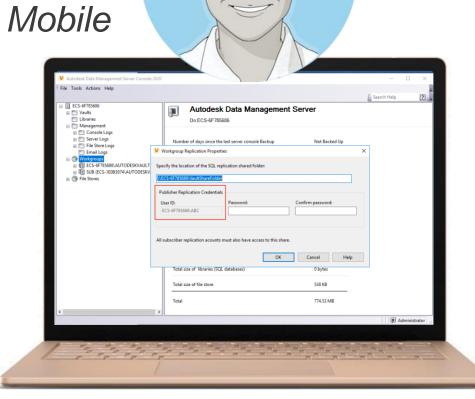


Desktop & Mobile Experience Process workflows



#### **Administrator**

Desktop, Browser & Mobile Experience



#### Consumer

Browser Experience Navigate & View



## Authors

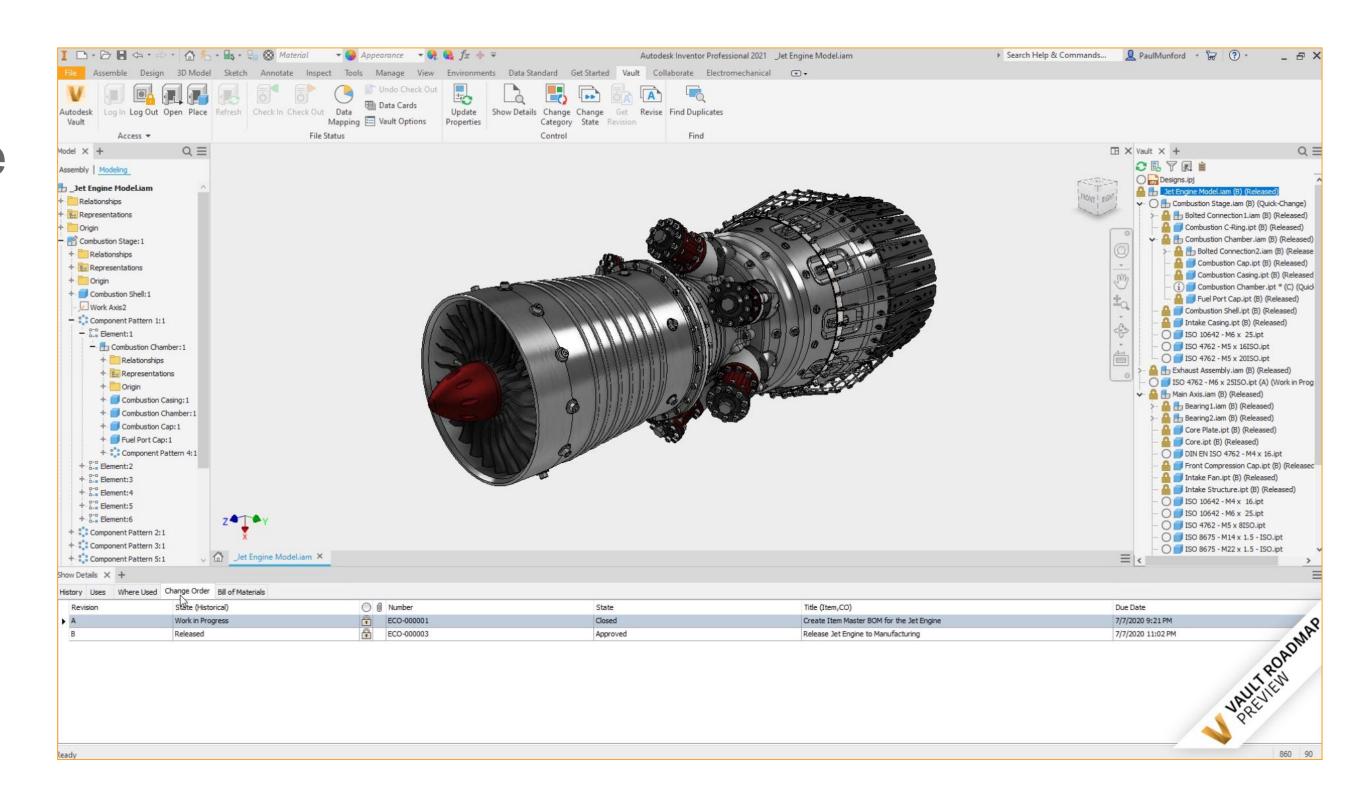
Modern, Connected & Insightful Experience

## Modern, Connected & Insightful Experience Access more Contextual Data in CAD Application



 Dockable panel: Access all information related to your design through a dockable panel that includes tabs for uses, where used, bill of materials, and change orders

Additional workflows/ commands like
 Assign Item, Copy Design, Edit
 Properties and much more while
 continuing to work on your design



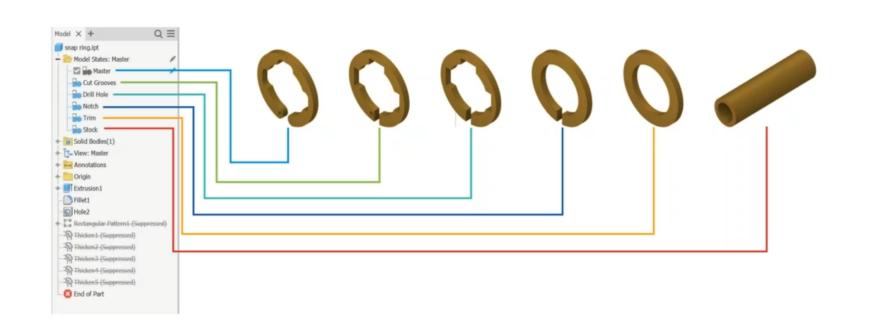
## Modern, Connected & Insightful Experience Model State managed within Vault



Manage different representations of part or an assembly within a single document within Vault

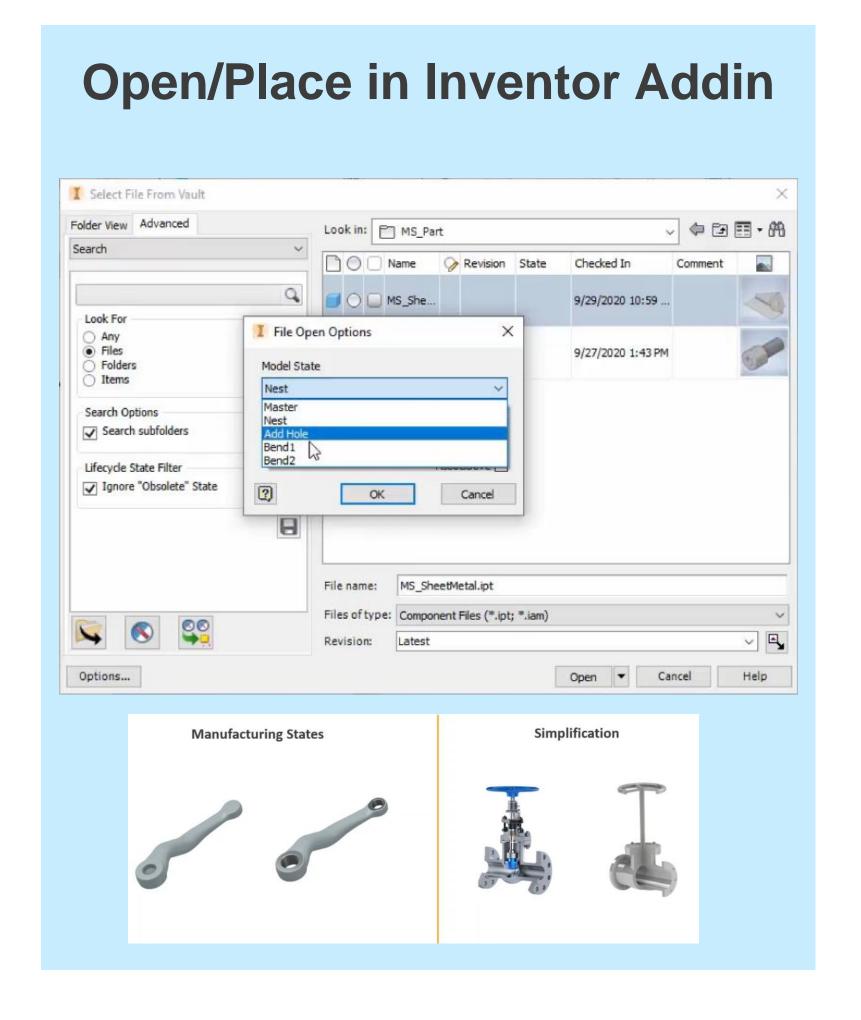
- Provide a convenient way to engineer,
  manage, manufacture your designs with
  different dimensions, components, properties,
  parameters or simplification
- Support all model state workflows from data management perspective

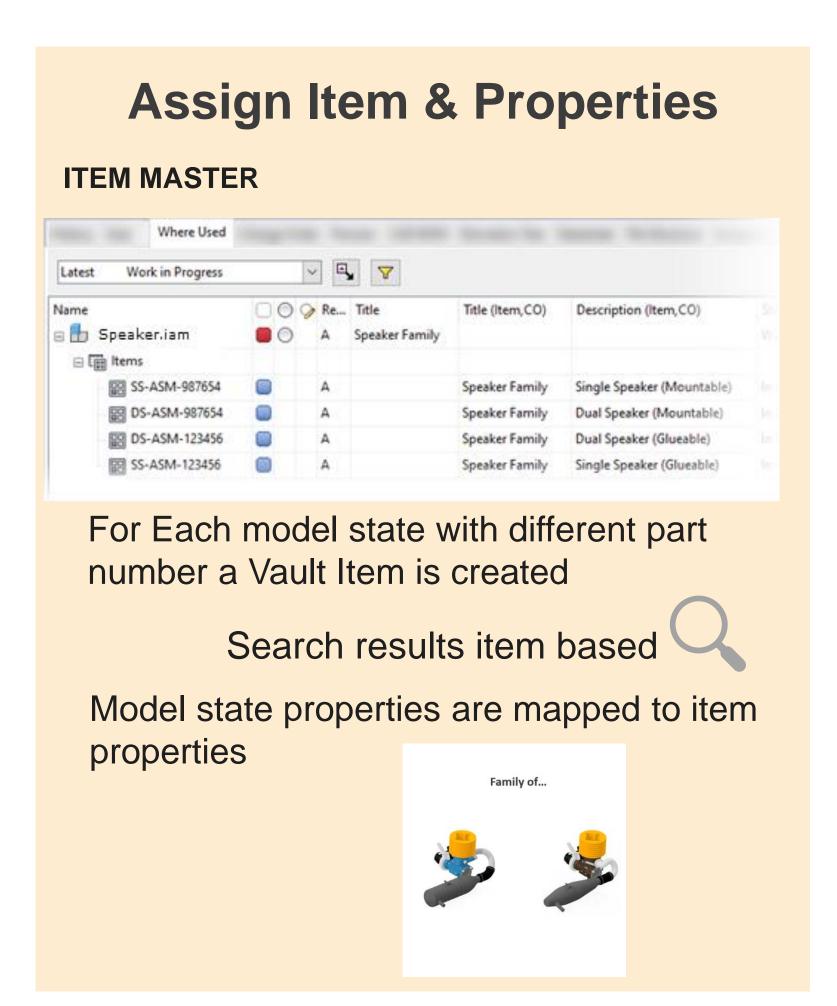


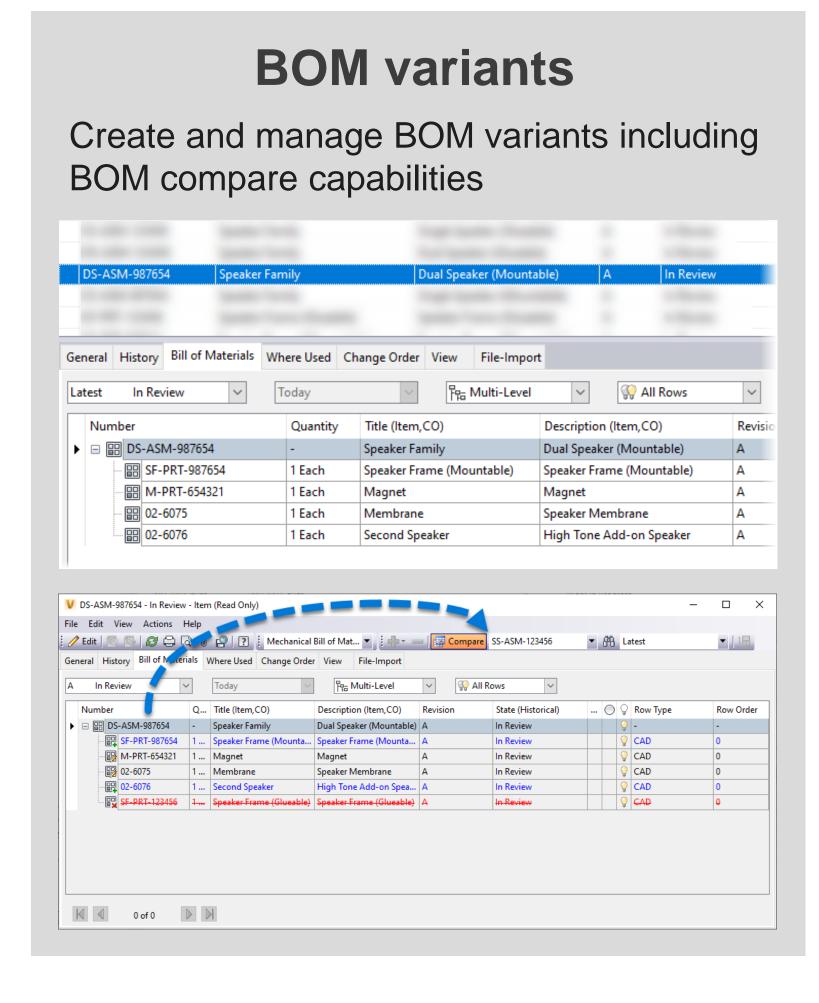


## Model State & Vault Support







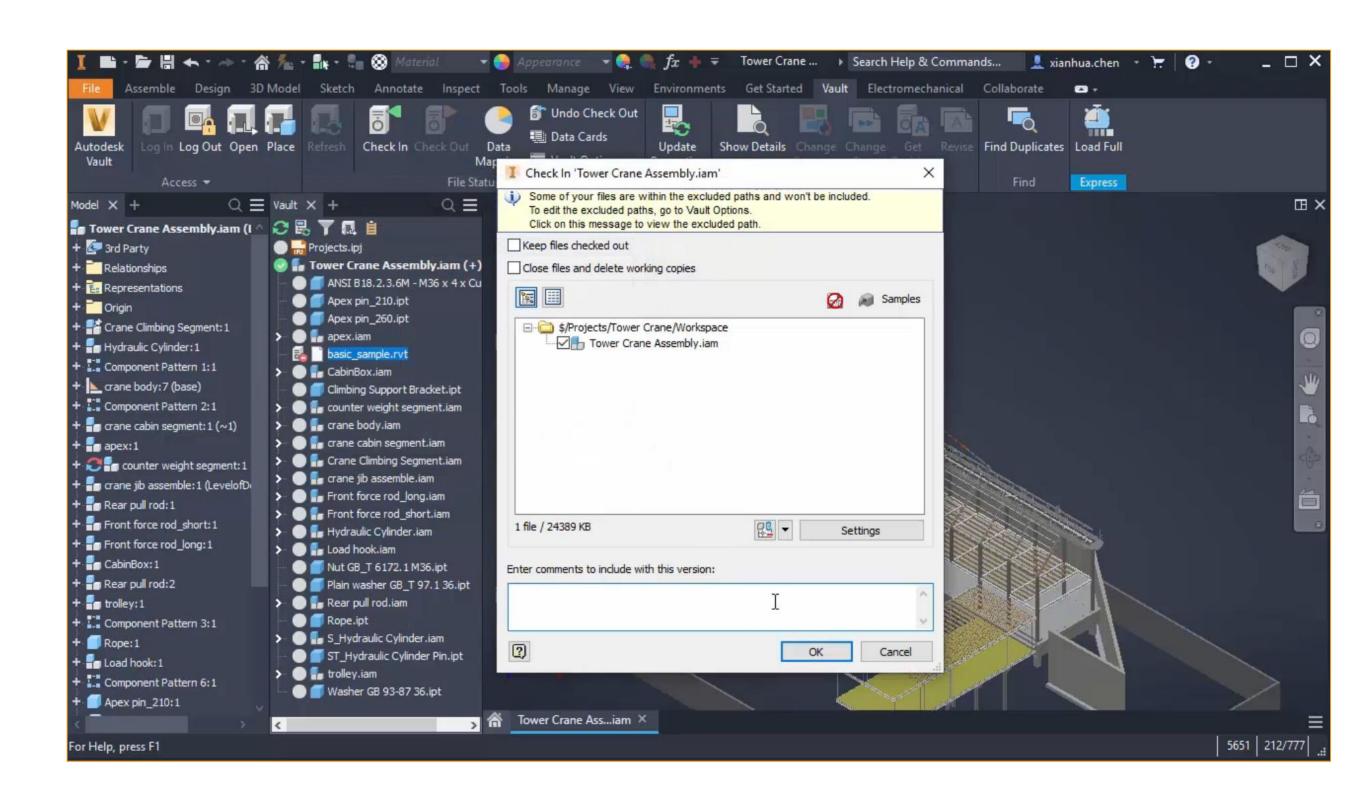


## Modern, Connected & Insightful Experience Keep only relevant data managed within Vault



Keep only relevant data for design process managed within Vault by leveraging capability to exclude specific files located into local, network folder or in Cloud services

- Exclude path by using Vault Options within Inventor/Vault Add-in
- Files within the excluded paths will not be included during check-in process for example Revit files managed in BIM 360, Point Cloud



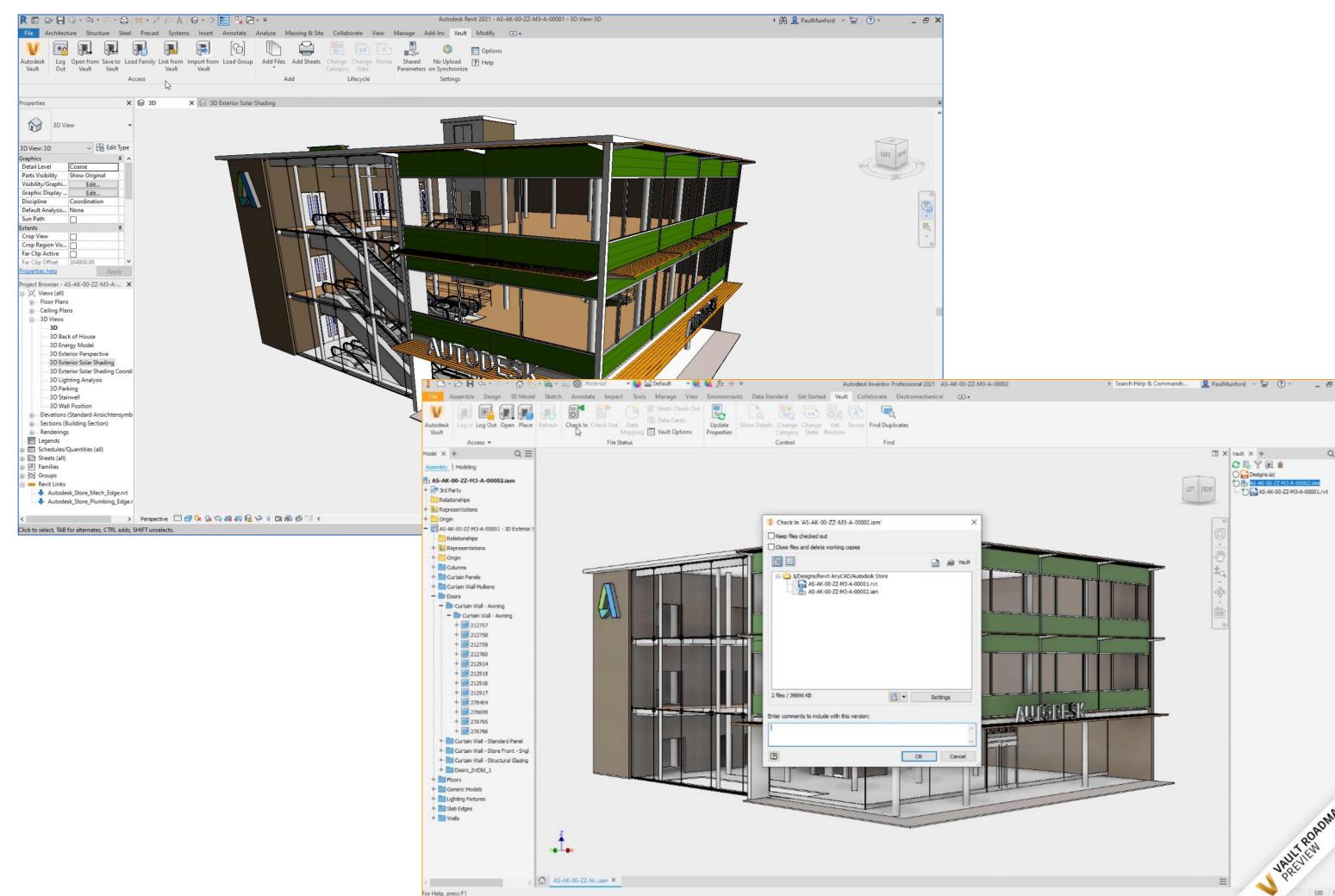
### Modern, Connected & Insightful Experience Industry Convergence & Inventor - Revit Interop



#### Inventor Revit Interop

Archive Revit files (Inventor AnyCAD)

 Inventor Place from Vault command supports managed Revit files in Vault



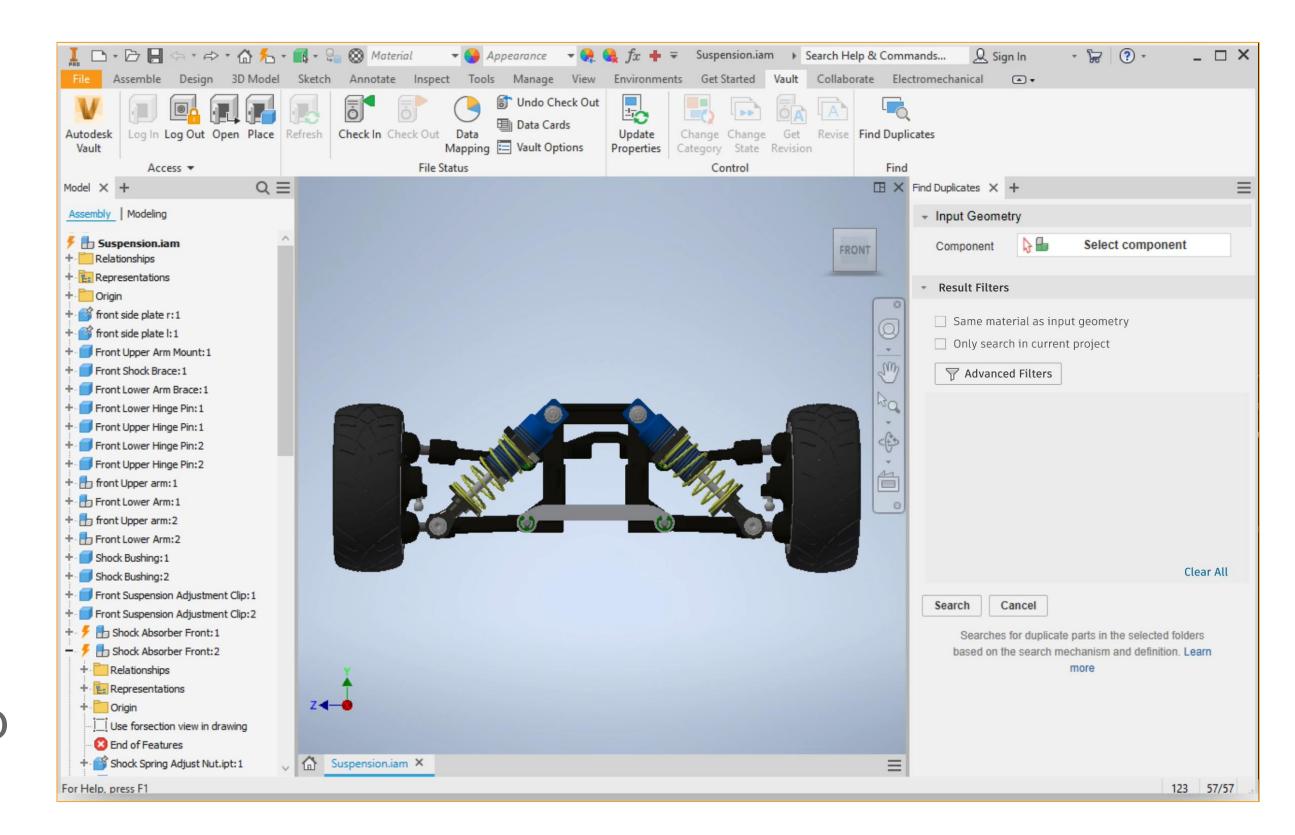
## Modern, Connected & Insightful Experience Combined Geometric Search & Filtering



Properties Filtering supports the Mechanical Engineer to find quickly the right part for replace workflow

- Advanced Search
- Exclude different Materials
- Identify the exact match
- Exclude mirror parts

The process can now be done before the replace workflow for all files within one group





#### Mobile Experience





#### Project Manager/ Shopfloor Worker

#### On the shop Floor

- Reduce the amount of paper needed
- No need to go to a computer terminal to access data
- No need to type in part number to search for drawings if you have QR code if you are looking to create change requests

#### Sales Engineer/ Product Manager

#### At the customer Site

- Reduce the need to print off paper documents,
- Don't get caught without the right documentation,
- Feel confident that you are viewing correct, up to date information,
- Document engineering change requests incl. images

#### Installation/ Service Engineer

#### In the field

- Reduce the need to print off paper documents
- No need to type in part number to search for drawings if you have QR code
- Don't get caught without the right documentation
- Record commissioning or service details

## Vault Mobile App



## IOS version 12 & higher (Release Preview) Android version 8 & higher (Pilot)

Tablet and phone compatible

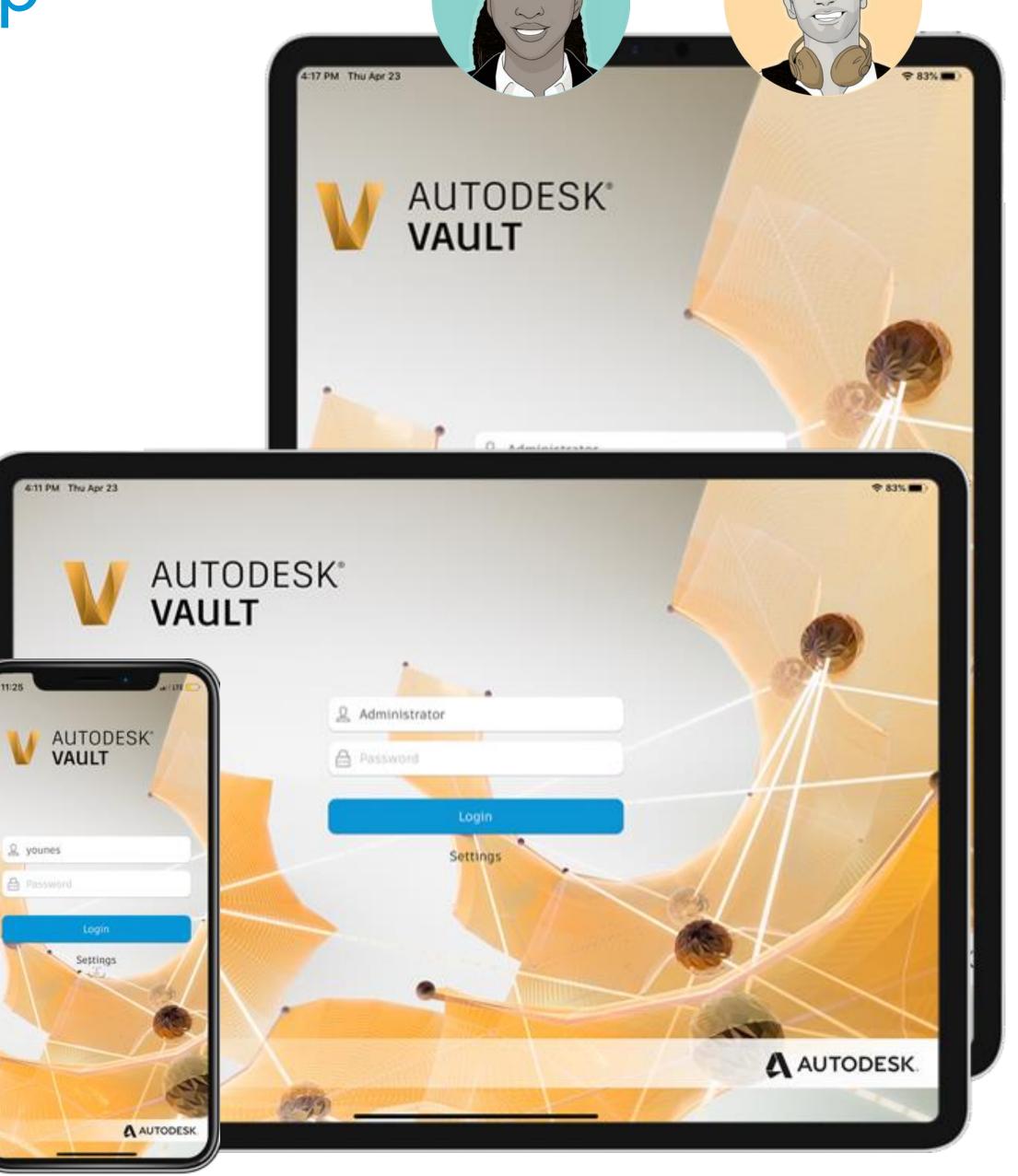
View 2D/3D designs

Check non-CAD files in and out

Review, approve, and sign documents

Perform QR, barcode, simple, and extended searches

Create and participate in change orders, and more



#### Consumer – Navigate & View

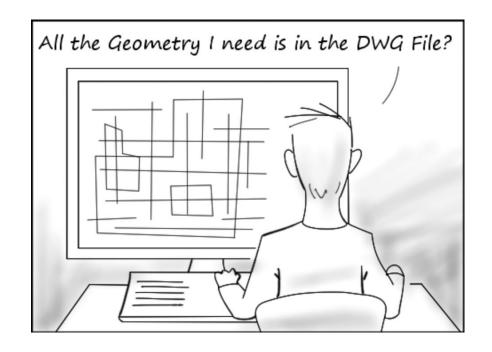


can never find the docs or BOMs I need.

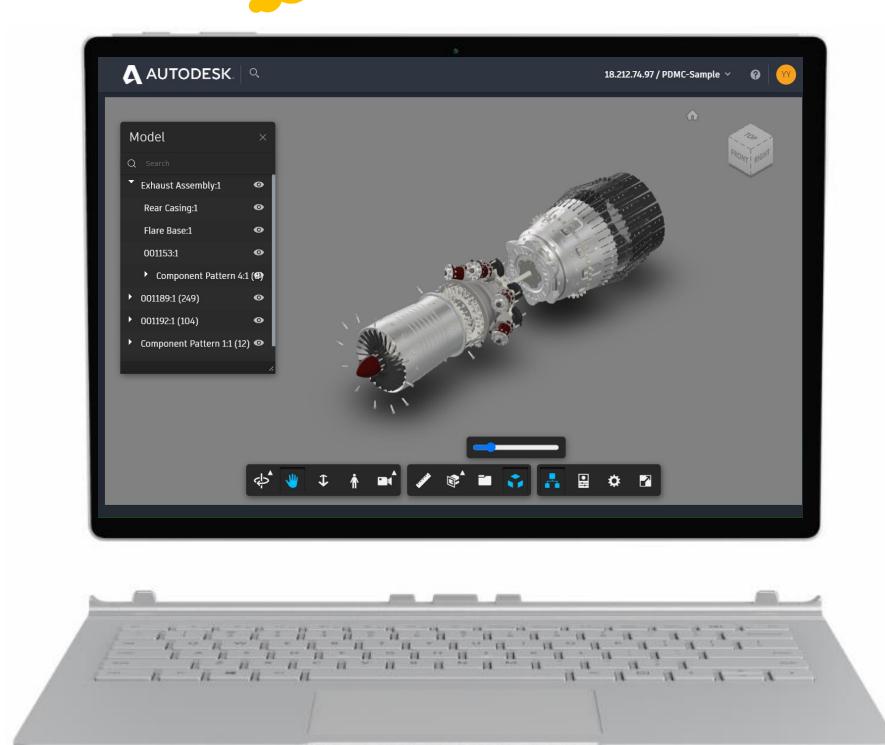
These project names and file names mean nothing to me. It's exhausting.

I'll have to check with engineering to get the data I need. It would be amazing to have better search and to be able to collaborate with engineering without walking over there and access the data on the go leveraging my mobile device

Field Engineer Machine Shop Worker



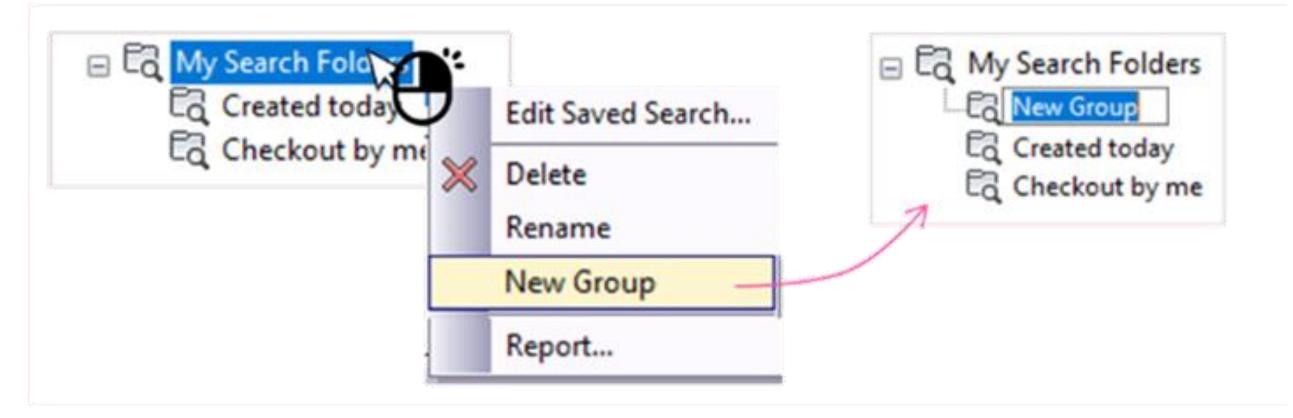
Navigate, Search, View You can <u>navigate</u> and/or <u>search</u> in Vault for just about anything and take action right way to <u>view</u> the model

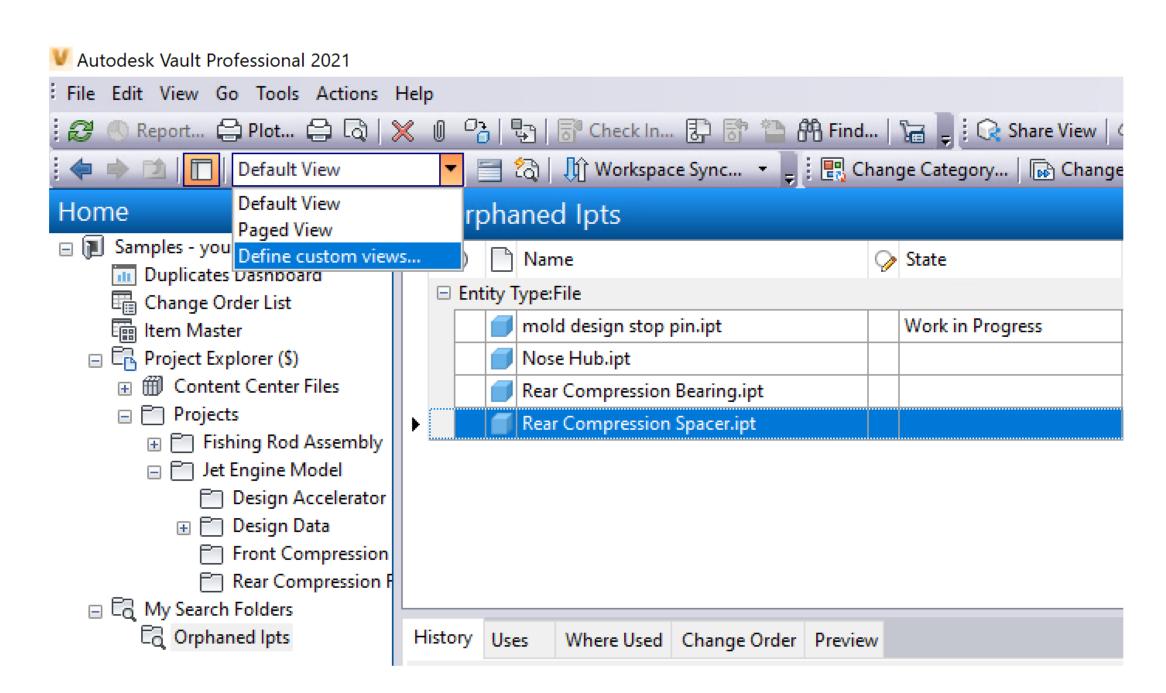


### Saved Search Improvements



#### Manage & organize your Search Folders





Custom Views for "my Search Folders" like "Other Views"

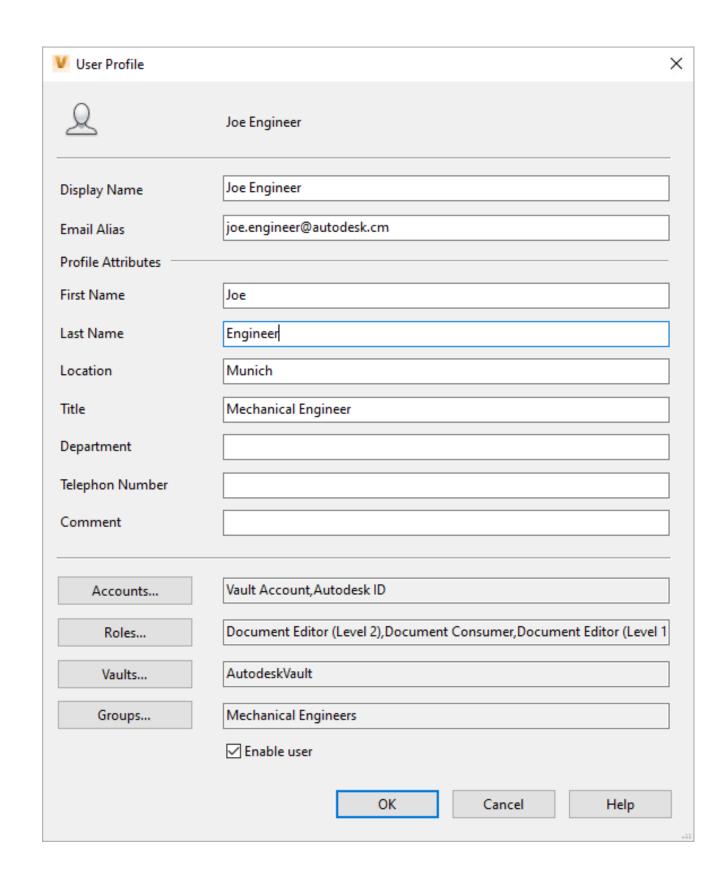


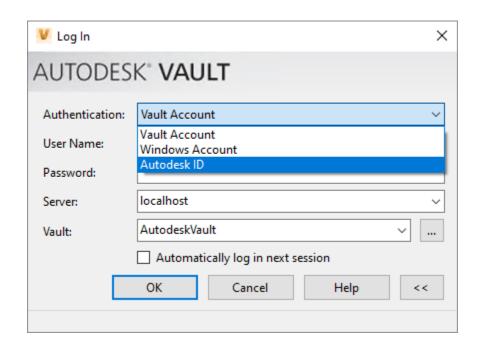
## Enhanced User & Group Management



## Improvements to User and Group Management for Administrators

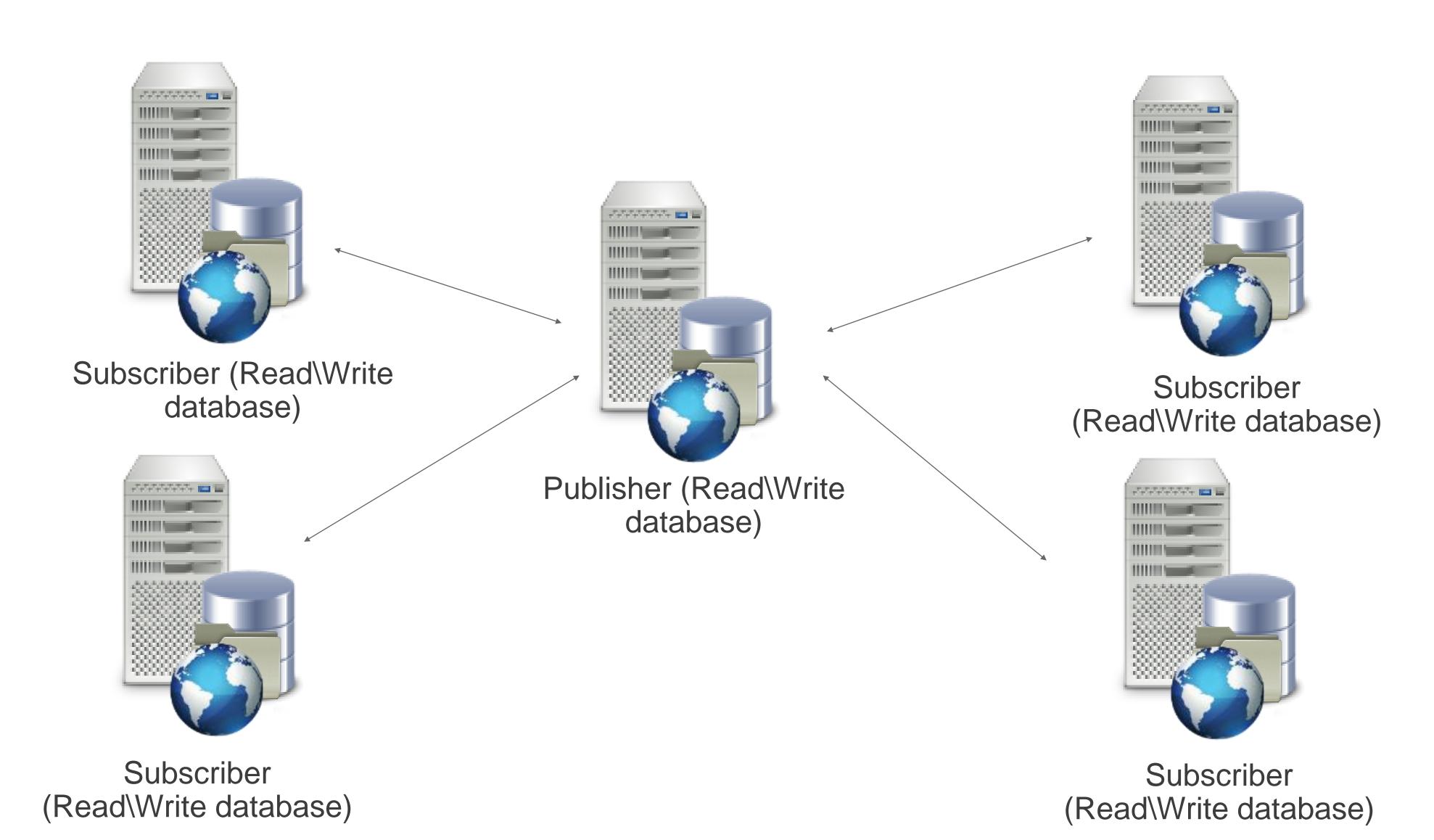
- Friendly Display Names
- User and Group Attributes
- Autodesk ID Authentication





### Full Replication Today

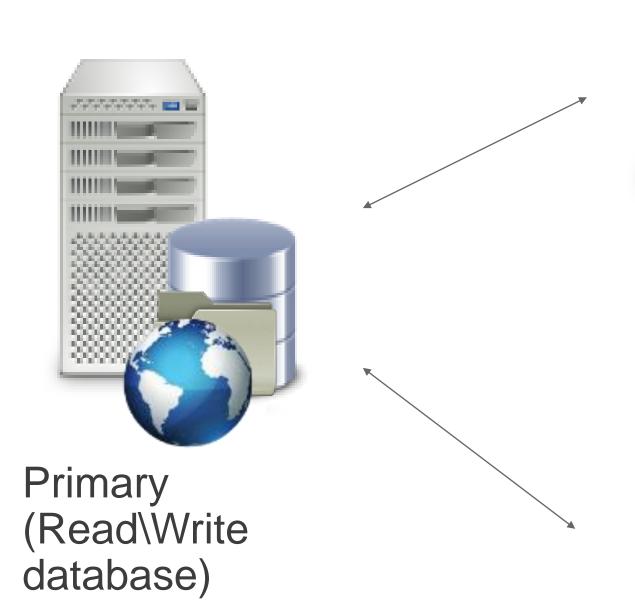




### Replication Technology Enhancements

- Improve replication stability & reliability
- 98% of operations are Reads
- File Replication unchanged
- Eliminate the need for object Ownership







Secondary (Read database)



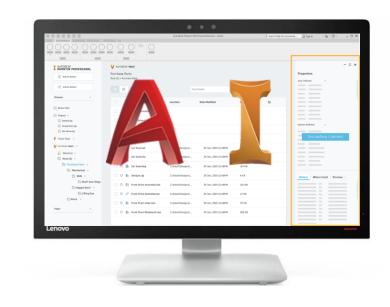
Secondary (Read database)

### Recap: Modern, Connected & Insightful Experience

Author
InCAD Experience
Design Data Creation



Show details, Model state support
Inv-Revit Interop, exclude path
Duplicate search and much more



Contributor

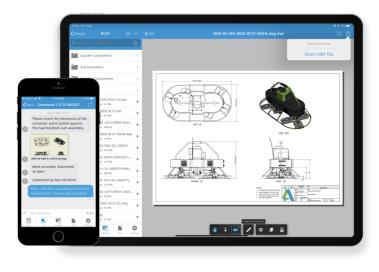
Desktop & Mobile Experience
Process workflows



View 2D & 3D, QR code search,

Release process

Change management & much more



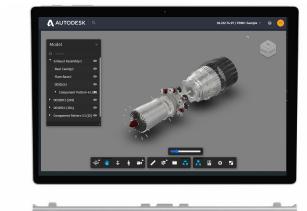
## Consumer Browser Experience Navigate & View



Zero deployment

Modern experience

Navigate /& View 2D & 3D data



Administrator

Desktop, Browser &

Mobile Experience



User & Group management
Replication Technology
Vault Cloud Connect





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