

Session Details

Description & Learning Objectives

In this timely panel discussion, hear how building owners, large and medium design firms, and the industry as a whole is using and benefitting from automated model checking. Learn, specifically, how they are reviewing their Revit models in BIM 360 software, generating reports on fidelity issues, and utilizing that data in dashboards. This panel will include a building owner (Denver International Airport) that manages all its design and construction projects in BIM 360; a large design firm (Jacobs) that works with DEN and other owners; a small design firm and how it works on BIM 360 projects; and the product development team responsible for Model Checker for Revit and Model Checker for Forge (CADD Microsystems). Facilitated by an architect on the Autodesk team, you will see and hear about all the great benefits these different project stakeholders have gained by implementing automated model checking on their projects.

- Learn about how automated model checking is being used in the industry
- Discover how building owners with modeling requirements are benefitting from working with their consultants
- Discover how large consulting firms are benefitting from working with building owners and their modeling requirements

Host



Eddy Krygiel

Senior Principal

Major Projects

Autodesk

Your Speakers

90

Chuck Mies

Senior Principal

Major Projects

Autodesk



Jason Kunkel
Senior Practice
Manager
CADD Microsystems



DFI Manager Denver International Airport

90

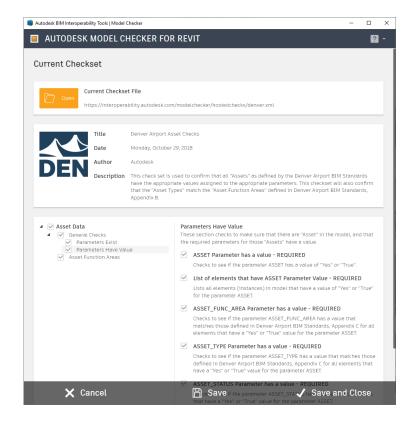
Chris Pittman
Project Architect
Jacobs

Get to Know Model Checker on Forge

Model Checker for Revit

Overview

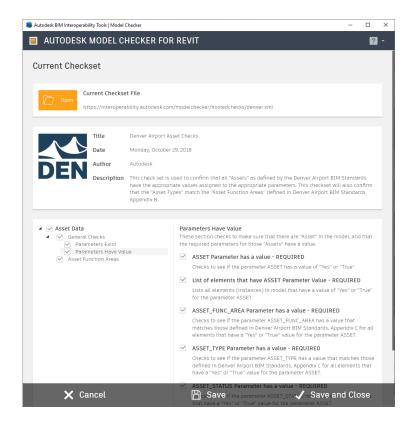
- Desktop version been around for years
- Review Revit model elements and validate data
- Export reports
- Custom checksets
- Use pre-built checksets



Model Checker for Revit

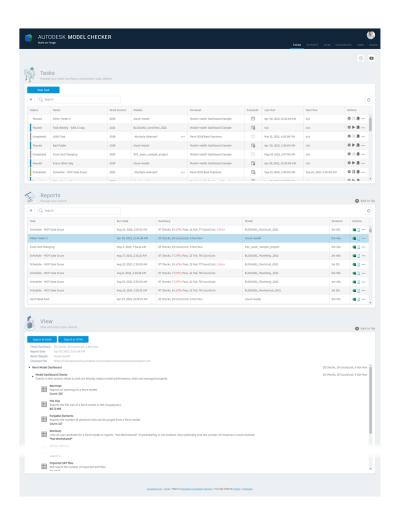
Limitations

- Runs inside Revit
- Challenging to automate
- Scaling can be an issue
- Maintaining consistency across checksets



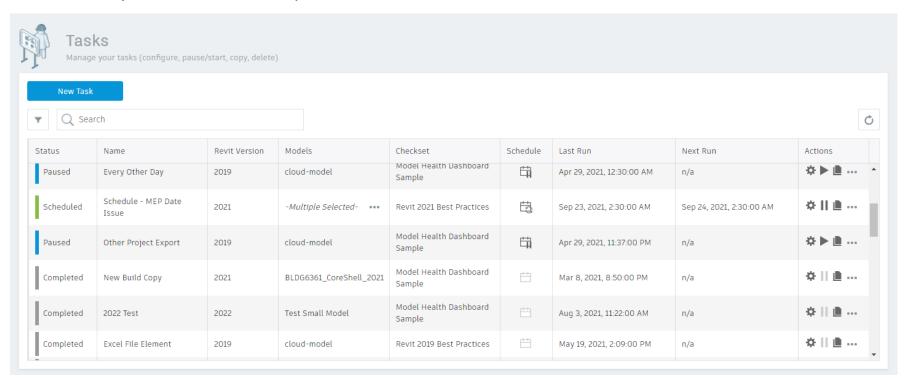
Overview

- Cloud-based
- Simple interface only two pages
- Runs on ACC project published Revit models
- Do not need direct access to Revit
- Create scheduled Tasks
- Maintains history



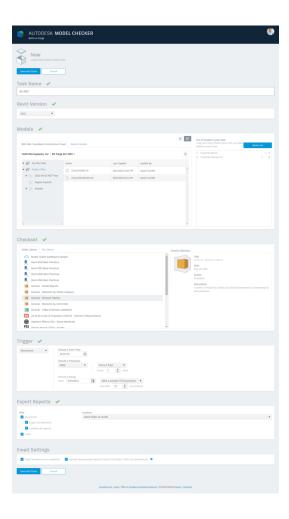
Tasks Panel

Shows all your active and completed tasks



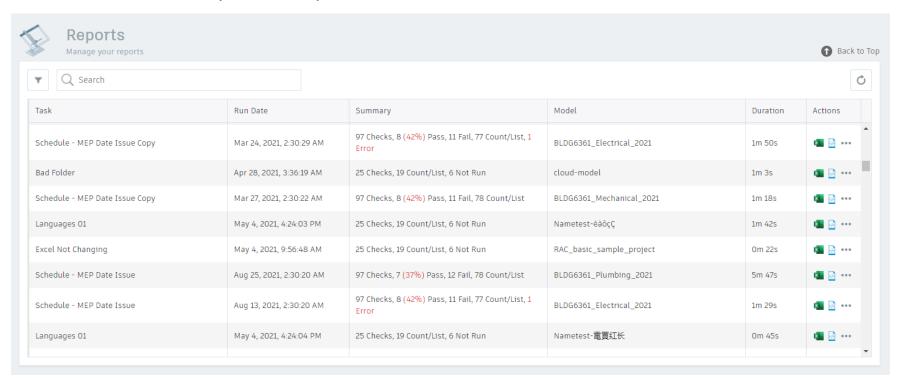
New Task

- Name it
- Select Revit Version
- Flag multiple Revit models from a single ACC or BIM 360 project
- Choose Public Library checkset or upload your own
- Tell it when to run
- Deal with reports
- Set it to email results (or not)



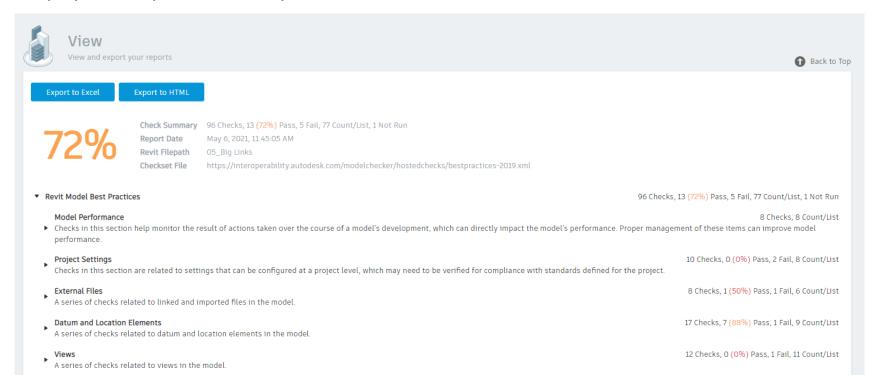
Reports Panel

Shows result summary from completed tasks



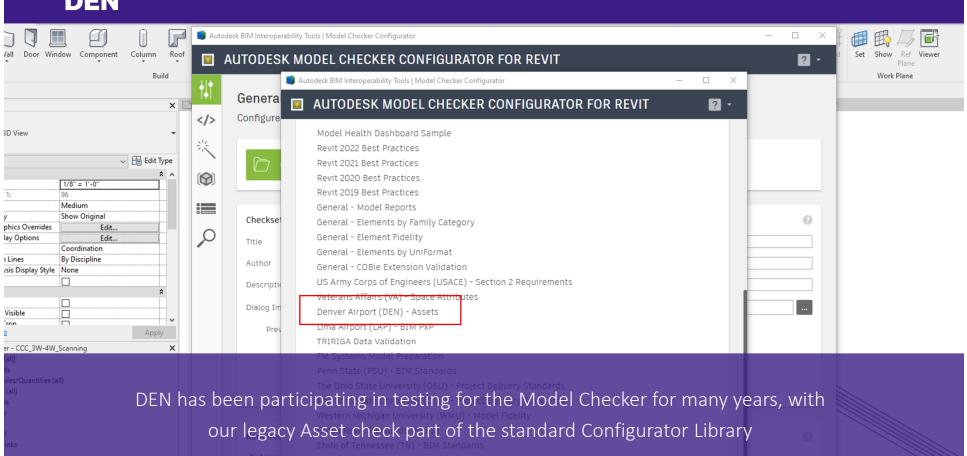
View Panel

Displays and exports active Report

















Brendan Dillon -

PROJECTS MEMBERS COMPANIES ROLES ANALYTICS SETTINGS

Go to unified projects

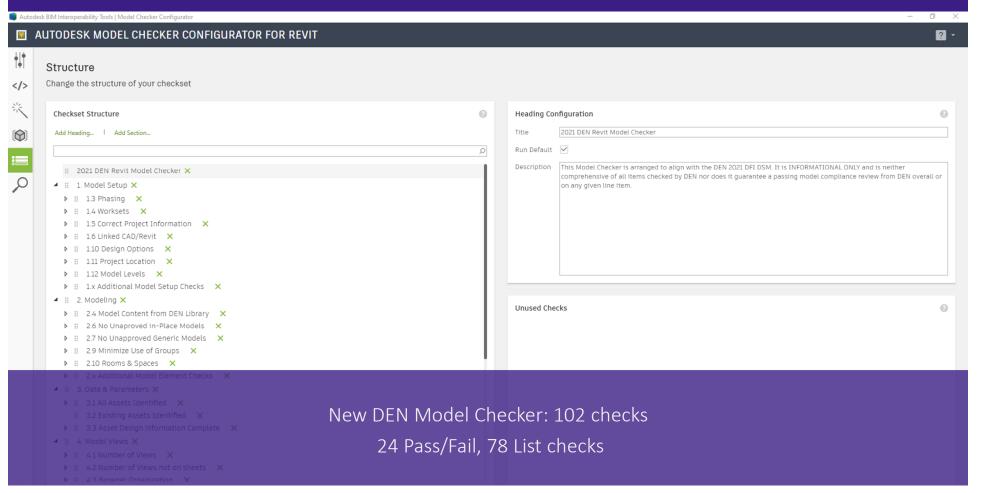
Project Directory

The Project Directory lists all

gect pirectory fists all projects in your account.			
Add	Q Search project by name		DEN

bbA			Q Search project by name				DEN
339 Current Projects View Archived						Filters	
Name	Platform	Members ▼	Companies	Project Status	Last Sign In		
03-SP-TML GHP Completion-201735867	В	450	84	Active	Sep 22, 2021	STATUS	
03-FAC-CCB East Expansion	В	357	132	Active	Sep 22, 2021	Active Inactive	334 5
03-FAC-CCA West Expansion	В	346	124	Active	Sep 22, 2021	Indenve	J
03-FAC-CCC East Expansion-Construction	В	256	125	Active	Sep 22, 2021		
	В						
03-FAC-CCC East Expansion-Design	В						
300+ Active projects on BIM360 ranging from Define phase to Warranty							
02-TEN-CC Expansion Renewal	В	Manage	ement, plus our	AIM CDE			
02-FAC-AMERICAN AIRLINES RELOCATION	В	113	14				
DEN 01-TEN-UAL DEN Club program	В						





ACTIVE APPLICATIONS





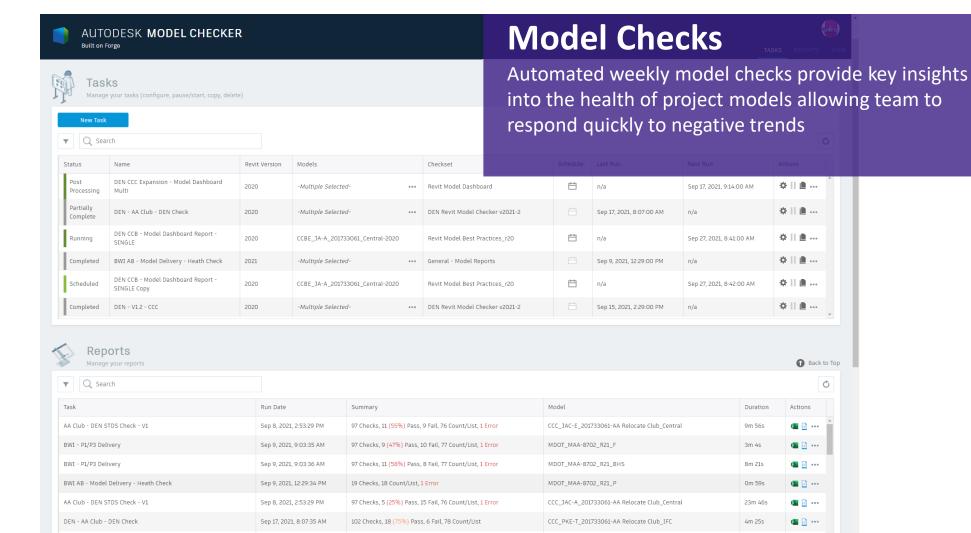
AIM asset data verification for Maximo population via Forge



AIM model checking for compliance with DEN standards



Automated PIM model checking for compliance with DEN standards and report distribution



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BWI AB - Model Delivery - Heath Check

Sep 9, 2021, 12:29:34 PM

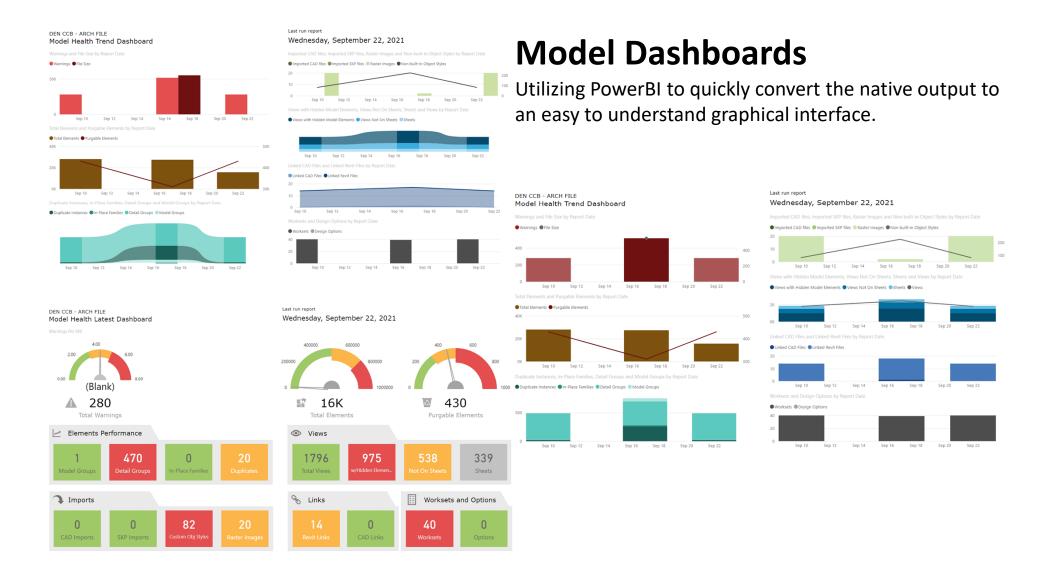
19 Checks, 18 Count/List, 1 Error



Demonstrated use on 2 large expansion projects at Denver International Airport – weekly reports provided insight into all discipline models to ensure no model downtime in 2+ years.

Customized reports to check models against client specific standards





Q: WHY DID WE MAKE THIS TOOL?

(JASON / CHUCK - 3 MIN ea)

Q: WHAT KIND OF DATA ARE YOU GETTING? HOW ARE YOU USING IT?

(Brendan / Chris- 3 MIN ea)

Q: WHAT ARE OTHER CUSTOMERS DOING WITH THE DATA

(Chuck / Jason - 3 MIN ea)

Q: HOW WILL THIS CHANGE YOUR WORK WITH A/Es? WILL YOUR EXPECTATIONS FOR DELIVERABLES **CHANGE?**

(Brendan- 3 MIN ea)

Q: WILL THIS CHANGE HOW YOU WORK WITH OWNERS?

(Chris - 3 MIN ea)

Q: ANY 'AH-HA' MOMENTS?

(Brendan / Chris / Chuck - 2 MIN ea)