# Understanding BIM 360 Coordination clash detection and issue management workflow (CS322928)

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#### About the speaker

#### Anil R. Mistry

I joined Autodesk in February 2014. Currently I am working with the Autodesk BIM 360 support team as Premium Support Specialist, BIM and based out of Boston, MA office. I am Autodesk product user for more than 20 years. I received my Bachelor's degree in Civil Engineering from University of Massachusetts, Lowell, MA. I have 15 plus years of experience working in Civil/Construction industry and worked on several small to large sized projects. I was involved on many highway design projects (The Central Artery/Tunnel Project (BIG Dig), Manchester–Boston Regional Airport, NHFG, Broad Street Parkway, NH) ) for Large and Small clients including DOT and municipal clients.

Teach "How to run Clash detection in BIM 360 Model Coordination using BIM 360 Design (CS225847)" class at AU 2018

Received "Certificate of Excellence" for outstanding performance and excellence while providing oversight on New Hampshire Department of Transportation Federally Funded construction project.

#### **Model Coordination**

#### Introduction:

Coordination is one of the keys to delivering a successful project! When you harness the power of the cloud, coordinating designers and trades no longer needs to be a drawn-out process. By automating coordination tasks, teams can quickly identify and resolve problems between disciplines, leading to increased efficiency, improved quality, and reduced risk. The following guide introduces the BIM 360 suggested coordination workflow and gives context to the different capabilities built into the product, including step-by-step starter guides.

BIM 360 improves the process of construction by supporting informed decision making throughout the project lifecycle. It does this by centralizing all project data in a single data repository and connecting project stakeholders and workflows from design to construction to operations, from the field to the office and back.

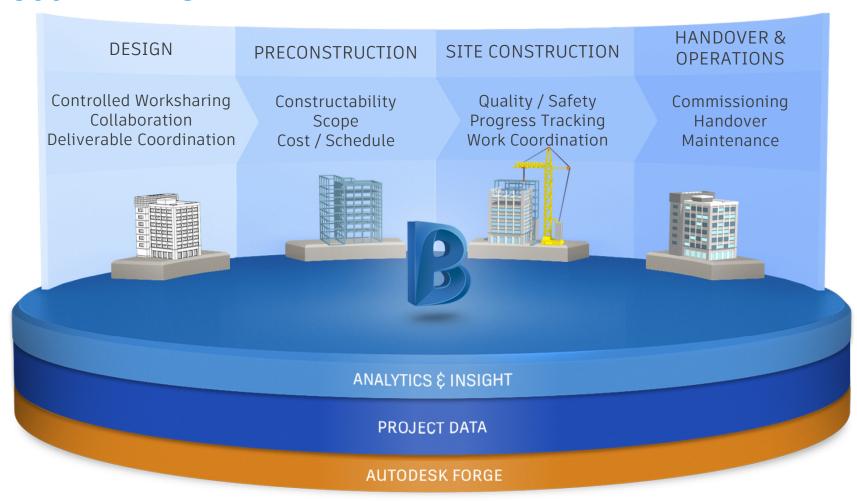
#### What is BIM 360?

BIM 360 is a unified platform that connects your project data in real-time from design through construction, supporting informed decision-making and leading to more predictable and profitable outcomes.

BIM 360 improves construction project delivery by supporting informed decision-making throughout the project lifecycle. From design collaboration, documentation and reviews, to pre-construction, and through quality and safety and operations, BIM 360 connects the people, data and workflows on your project, so you can see the big picture and keep your projects on track.

The Next-Gen BIM 360 line of applications is a cloud-based series of applications built upon Autodesk Forge platform (Classic BIM 360 applications such as BIM 360 Glue and BIM 360 Field are not on Forge platform).

#### **BIM 360 PLATFORM**



#### BIM 360 PRODUCT Packages

#### AUTODESK® BIM 360°



For all project stakeholders who need controlled access to information



For teams who need to collaborate in real-time on Revit models & track deliverables

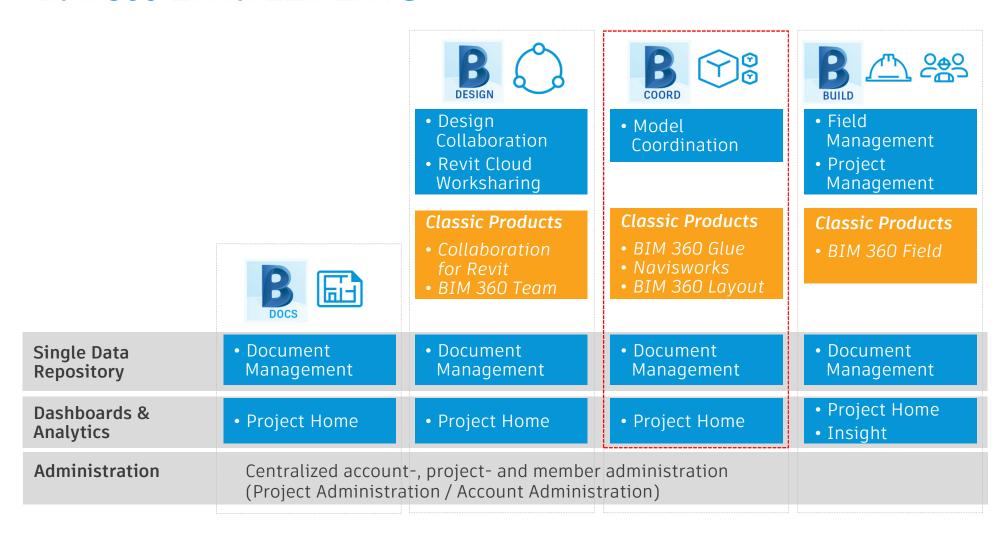


For teams who need to coordinate multidiscipline designs across trades

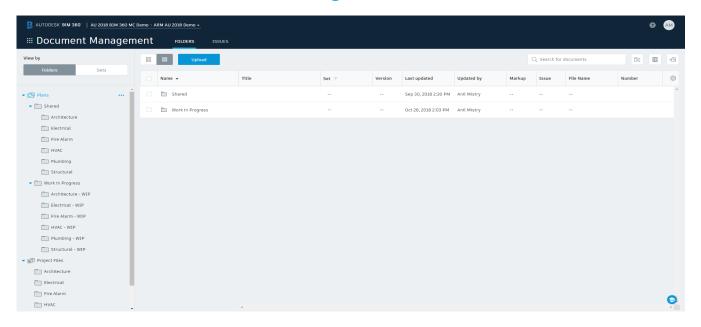


For teams who need to collaborate on work performed during construction

#### **BIM 360 ENTITLEMENTS**



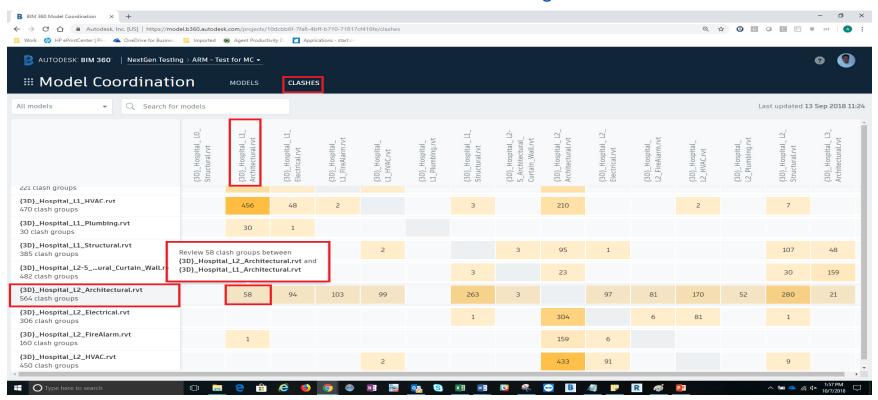
#### **BIM 360 Document Management:**



BIM 360 Document Management (Docs) is a cloud-based file repository and collaboration environment that allows teams to manage blueprints, 2D plans, 3D models, and other project documents. This streamlines the document management process and connects to Autodesk's other next generation SaaS products on the BIM 360 platform such as BIM 360 Model Coordination, BIM 360 Design (use with Revit), BIM 360 Build (aka Field Management), Design Collaboration (associated in with BIM 360 Design), Project Management, and Project Admin modules. BIM 360 Document Management serves of the focal point of the BIM 360 platform.

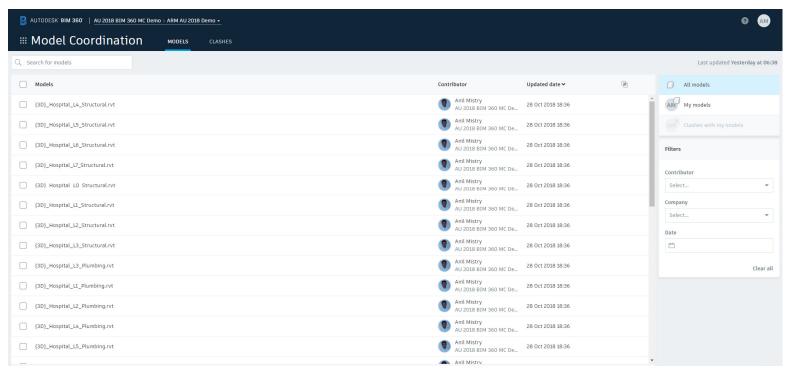
#### **Model Coordination**

#### What is Model Coordination Clashes Grid and how to get here:



#### **BIM 360 Model Coordination:**

BIM 360 Model Coordination provides a collaborative environment to publish, review, and run clashes on 3D BIM models. When models are uploaded to a centralized folder within BIM 360 Document Management (Plan Folder), the clash service within Model Coordination will automatically locate any clashes within those models. The module allows for viewing model data and filtering that data to facilitate easier inspection of clashes.



#### **Model Coordination Workflow**

#### Model Coordination Workflow

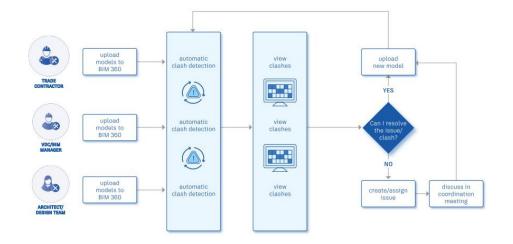
Simplify clash detection and view aggregated models using an automated workflow. The graphic below outlines the suggested model coordination workflow using BIM 360.

#### Why follow this workflow?

- Automate clash detections
- Easily sort and filter clashes
- · View and share models across multiple discipline

#### BIM 360 capabilities used

- · Coordination space
- Automatic clash detection



#### Model Coordination Workflow (step-by-step)

- Setting up a New Project and Activate Services (Account Administration)
- Manage Project Members and Access (Project Admin)
- Create structured project folders (Document Management)
- Set up Model Coordination Folder in Document Management Plan Folder
- Set up Model Coordination Space in Project Admin
- Upload Models for Coordination
- View and Filter Models
- View and Filter Clashes
- Create Saved Views
- Create an Issues
- Create Not an Issue

### Questions?

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