Live Coaching
FOR CONSTRUCTION

Presenter Name
Presenter Title | @socialmedia
About Accelerators
Accelerators help you unlock the potential of Autodesk® technology.

Accelerators: Easy-to-access services built on Autodesk best-practices

Capabilities: Your technology, workflow, data, and organizational abilities

Outcomes: Measurable goals your business wants to achieve
How do Adoption Accelerators work?

**Discover Session**
Meet with your CSM and a subject matter expert to contextualize the content for your team. (30-60 minutes)

**Coaching Session**
Sessions are led by an Autodesk expert, introducing users to new technology or demonstrating workflows with Q&A. (60-120 minutes)

**Materials & Feedback**
We'll provide the session recording and presentation materials, and participants are encouraged to provide feedback on the Accelerator through a survey. (10 minutes)
Easy-to-access coaching sessions from Autodesk

**Introduction to**
Get familiar with the latest technologies & features

- Introduction to: BIM 360 Design
- Introduction to: Forge (General)
- Introduction to: Parameters in Revit

**How to**
Learn key workflows that solve specific challenges

- How to: Set up Revit for AEC Projects
- How to: Create hi-end visualizations using Arnold
- How to: Conduct Upfront CFD Fundamentals
If your company has an Enterprise plan with Autodesk, you can schedule Accelerators with your Autodesk Customer Success Manager (CSM).

If you are unsure of how to contact your Customer Success Manager, submit a request and we will connect you.

Find Accelerators for more industries and learn more about Autodesk Customer Success.
Accelerators
Details
Coaching Session

Introduction to

- IT Readiness for BIM 360
- Forge (General)
- BIM 360 Design Collaboration
- Parameters in Revit
- InfraWorks for site planning and logistics
- BIM 360 Account Admin module
- BIM 360 Assets module
- Basic reporting and Data Connector in BIM 360 Field (Next Gen)
- AutoCAD Graphics Improvements
- AutoCAD User Interface Enhancements
- AutoCAD Performance Enhancements

How to

- Set up a project in BIM 360 Docs
- Create issues and manage documents in BIM 360 Docs
- Improve Design Review Efficiency in AutoCAD
- Adopt AutoCAD's Latest Design Productivity Enhancements
- Modernize Collaboration when using AutoCAD
- Create digital checklists in BIM 360 Build
- Use checklists in the field with BIM 360 Build
- Communicate and resolve issues in BIM 360 Build
- Communicate changes in BIM 360 Build
- Export models from BIM 360 Document Management to VR
- Optimize field usage of BIM 360 Document Management
- Share data with BIM 360 Glue & Field (Classic)
- Export Checklists from BIM 360 Field Classic to Next Gen
- Set up Model Coordination in BIM 360
- Coordinate and resolve clashes in BIM 360
- Review models and identify coordination issues with Navisworks
- Set up Revit for AEC projects
- Manage data with Forge
- Use data to monitor quality with BIM 360 Field (Classic)
- Optimize BIM data for visualization
- Work with Inventor models in Revit and BIM 360
- Manage Revit Families
- Detect and resolve clashes in Revit
- Manage project assets (Issues & Checklists)
- Export points from Autodesk Point Layout
- View Digital Twins with Augmented Reality
- Create high-end visualizations using Arnold
- Design for safer air quality
Get assistance from Autodesk® experts to review and evaluate your IT infrastructure readiness for Autodesk BIM 360® cloud services.

**Topics**
- Discovery of your current system and network infrastructure.
- Identifying offices/sites that will adopt Autodesk cloud services.
- A detailed walkthrough of system and network requirements.
- Best practices for Autodesk cloud services.
- Metrics and data gathering with technical tools.

**Who it’s for**
- IT Managers

**Prerequisites**
- Enterprise Success Program

**Capabilities**
- IT Infrastructure Readiness
Introduction to: Forge (General)

Get familiar with functionalities of Autodesk Forge™, what tools are required to use it, and how to set up a team for application development.

Topics
- Understanding APIs
- Forge Overview
  - Common applications of Forge
  - The Forge business architecture
  - Adding Forge to an EBA
- Building online workflows and experiences around your design data
- Practical Forge use cases
- Setting up a team
- Where to get development and support resources
- The functionalities and pricing of each component of Forge

Who it’s for
- Project Managers
- BIM Managers
- BIM Leads
- Project Engineers

Prerequisites
- Enterprise Success Program
- Attendees have access to Forge

Capabilities
- Cloud-based Process Automation
- Data Enrichment, Management and Delivery
Introduction to: BIM 360 Design Collaboration

Get familiar with the relationship between Document Management and Design Collaboration in BIM 360® Design.

Topics
- Benefits Design Collaboration
- Activating Design Collaboration
- Integrating Design Collaboration into a project
- Workflow best-practices
  - Setup
  - Project Administration
  - Data Recovery

Who it’s for
- Owners
- VDC Managers
- Architects
- Project Managers
- Engineers
- End Users

Prerequisites
- Enterprise Success Program
- Basic knowledge of Design Collaboration, Document Management, Revit Cloud Worksharing

Capabilities
- Design Collaboration
- Model Co-authoring
Introduction to: Parameters in Revit

Get familiar with using project, family, shared, and global parameters to define and modify elements and communicate model information in Revit®.

Topics
- Overview of Revit parameters
- Selecting which parameter to use
- Types of parameters
  - Shared parameters
  - Project parameters
  - Global parameters
  - Family parameters
  - The Dynamo managing parameter
- Managing parameters
- Best practices

Who it’s for
- Building Engineers
- MEP Engineers
- Structural Engineers
- BIM Managers
- BIM Designers

Prerequisites
- Enterprise Success Program
- Attendees should have a basic understanding of AEC design and Revit.

Capabilities
- Model Authoring
- Civil Structure Model Authoring
- Design Detailing
- Design Authoring
Get familiar with planning construction sites in a live environment in InfraWorks® using design data, proposals, and traffic simulation.

Topics
- InfraWorks
- Civil 3D
- Traffic simulation
- Point Cloud

Who it’s for
- Site Execution Managers
- Schedulers
- Designers

Prerequisites
- Enterprise Business Agreement (EBA)
- Attendees should have a basic working knowledge of Civil 3D and InfraWorks

Capabilities
- Visualization
Get familiar with setting up and managing a BIM 360 Site, BIM 360® Administration capabilities, and administration and deployment of the next-generation BIM 360 platform.

**Topics**
- BIM 360 Account Administration
- Account Set Up & Project Creation
- Best Practices for Members
- Roles
- Data Connector
- BIM 360 Admin APIs – Capabilities & Example Integrations

**Who it’s for**
- BIM360 Site Account Administrators

**Prerequisites**
- Enterprise Success Program

**Capabilities**
- Document Management
- Data Hosting
- Licensing and User Management
- Document Management
- IT Infrastructure Readiness
Introduction to: BIM 360 Assets module

Learn how to create and manage assets and keep better track of commissioning using barcodes in the BIM 360® Assets module.

Topics
- Assets Overview
- Importing Assets with Excel
- Asset category management
- Custom attributes
- Custom status sets
- QR and barcode scanning on mobile
- Creating categories and statuses

Who it’s for
- Project Engineers
- Field Engineers
- Project Managers
- BIM Managers

Capabilities
- Commissioning
- Resource Management

Prerequisites
- Enterprise Success Program
- Access to BIM 360 barcode generator
- Attendees should have a basic understanding of BIM 360 and the commissioning process
Introduction to: Basic reporting and Data Connector in BIM 360 Field (Next Gen)

Learn how to generate reports at the project, account, and executive overview levels using dashboards in and Insight Data Connector.

**Topics**
- Project level reporting
- Insight dashboards
- Insight reports
- Account level reporting
- Executive overviews
- Insight Data Connector
- Exporting from modules
- Reporting via the Forge® API

**Who it’s for**
- BIM Managers / Digital Leads
- Project Managers
- QA Managers

**Prerequisites**
- Enterprise Success Program
- Attendees should have a basic understanding of the Document Management module in BIM 360®

**Capabilities**
- Site Administration
- Commissioning
- Safety Management
- Cost Management
- Coordination
- Document Management
- Handover
- Design Collaboration
- Quality Management
# Introduction to: AutoCAD Graphics Improvements

Understand what graphical improvements you will benefit from by updating to a newer version of AutoCAD.

## Topics
- Learn about the various 2D and 3D graphics display enhancements.
- Learn about the improvements for supporting high-resolution (4K) monitors.
- Learn about the all-new 3D graphics system that is being developed for AutoCAD and for which a technical preview is provided.
- Learn about the enhancements for a better touch experience in AutoCAD using a touch-enabled screen.

## Who it’s for
- Engineers
- Designers

## Prerequisites
- Autodesk Account
- Autodesk AutoCAD

## Capabilities
- Mechanical Drafting
Introduction to: AutoCAD User Interface Enhancements

Learn how the AutoCAD user interface has evolved to increase efficiency and improve the user experience.

Topics
- Learn about the redesign of the Start window.
- Display multiple drawings as separate floating windows.
- Learn about the improvements to the dark theme.
- Learn about the enhancements to the basic layout and features of the AutoCAD software's user interface.
- Learn about enhancements to the software while selecting objects in the drawing window.
- Learn about the preview enhancements to various commands in the AutoCAD software.
- Use the various tabs of the Blocks palette to insert blocks into the current drawing.
- Add multiple dimensions using the DIM command and add Center marks/centerlines to objects.
- Learn about the improvements for supporting high-resolution (4K) monitors.
- Learn about the enhancements for a better touch experience in AutoCAD using a touch-enabled screen.

Who it’s for
- Engineers
- Designers

Prerequisites
- Autodesk Account
- Autodesk AutoCAD

Capabilities
- Mechanical Drafting
Introduction to: AutoCAD Performance Enhancements

Understand what performance enhancements you will benefit from by updating to a newer version of AutoCAD.

**Topics**

- Set the various security options to protect against malicious executable files.
- Learn about performance enhancements to the software for better efficiency and enhanced display quality.
- Learn about the enhancements to the software while selecting objects in the drawing window.
- Learn about the preview enhancements to various commands in the AutoCAD software.
- Create named views and insert them as viewports.
- Add multiple dimensions using the DIM command and add center marks/centerlines to objects.
- Learn about the enhancements for a better touch experience in AutoCAD using a touch-enabled screen.

**Who it’s for**

- Engineers
- Designers

**Prerequisites**

- Autodesk Account
- Autodesk AutoCAD

**Capabilities**

- Mechanical Drafting
How to: Set up a project in BIM 360 Docs

Learn how the BIM 360® Docs ecosystem works, how to set up a project folder structure with permissions, and how to upload record documents.

Topics

- BIM 360 Docs modules
  - Document Management
  - Desktop Connector
  - Project Home
  - Insight
- Creating a project
- Project settings
- Folder structure
  - Plans vs. project files
- Folder permissions
- Plans upload

Who it’s for

- VDC Manager
- Project Engineer
- Field Engineer
- Project Manager
- Project Controls

Capabilities

- Coordination
- Quality Management
- Cost Management
- Design Collaboration
- Document Collaboration
- Document Management

Prerequisites

- Enterprise Success Program
- Attendees should have basic knowledge of BIM 360 Docs
Learn how to use BIM 360® Docs to log issues on site, approve and send documents, and use record documents in the field.

**Topics**
- Mark-ups
  - Permissions
  - Creation and visibility
  - Reviewing mark-ups
- Issues
  - Permissions
  - Creating an issue
- Reviews
  - Creating an approval workflow
  - Submitting documents for review
  - Monitoring reviews
  - Reviewing and approving documents
  - Transmittals
    - When and how to use transmittals
    - Creating a transmittal
  - Accessing documents on mobile devices

**Who it’s for**
- VDC Managers
- Project Engineers & Field Engineers
- Project Managers
- Project Controls
- Architects

**Prerequisites**
- Enterprise Success Program
- Attendees should have basic knowledge of BIM 360 Docs

**Capabilities**
- Design Collaboration
- Document Management
# How to: Communicate changes in BIM 360 Docs

Learn how to organize, update, and compare project documents and resolve issues in BIM 360® Docs.

## Topics
- **Sets**
  - How to categorize file sets
  - The sets module
  - Creating new sets
- **Versioning and comparing**
  - Creating a new version of a document
  - Comparing documents
  - Versioning of model files
- **Markups**
  - How to use markups and hyperlinks together
  - Using attachments to markups
- **Reports**

## Who it’s for
- VDC Manager
- Project Engineer
- Field Engineer
- Project Manager
- Project Controls

## Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge of BIM 360 Docs

## Capabilities
- Document Management
- Design Collaboration
How to: Optimize BIM data for visualization

Learn how to make data visualization easier by analyzing the contents of your scene and applying different optimization methods.

Topics
- Understanding the need for optimization
  - Overview
  - Hardware constraints
  - Rendering
- Analyzing the contents of your scene files
  - CAD to 3ds Max workflow
  - Revit import
  - Large objects & groups
- Optimization approaches
  - Automatic optimization tools
  - Replacing objects
  - Asset libraries
  - Optimization results
- Material workflow
  - Improving visual fidelity
  - Lights
  - Export from 3ds Max

Who it’s for
- BIM Manager
- Visualization Specialist
- Architectural Designer
- Lighting Designer

Prerequisites
- Enterprise Success Program
- Attendees have a basic understanding of Revit and 3ds Max

Capabilities
- Visualization
- Design Authoring
- Design Detailing
- Visualizations & Animations
- Rendering
Learn how to set up model coordination, perform clash detection, and resolve coordination issues in Autodesk® BIM 360®.

### Topics
- Setting up coordination spaces
  - Creating coordination spaces
  - Overview of coordination spaces
- Assigning permissions
- Managing models
- Working with Revit, AutoCAD, and IFC files
- Creating saved views

### Who it’s for
- VDC Managers
- VDC Engineers
- Architects
- MEP Engineers

### Prerequisites
- Enterprise Success Program
- Attendees understand how the Plans Folder works
- BIM 360 Tenant enabled

### Capabilities
- Coordination
- Construction Administration
- Design Coordination and Review
# How to: Coordinate and resolve clashes in BIM 360

Learn how to review models, resolve clashes, and address problems before they reach the construction site with BIM 360®.

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**Capabilities**

- Coordination
- Design Coordination and Review
Learn about project templates, coordinate systems, model strategy, model maintenance, working with links, and performance best practices in Autodesk® Revit®.

**Topics**
- Before starting a project
  - Project Templates
  - View Templates
  - Transfer Project Standards
  - System Family files library
- Coordinate Systems
- Model Strategy
  - Model size - Split Model
  - Concept of Model file / Layout file
  - Worksharing and Worksets
- Model Maintenance
  - Audit / Purge / Compact
  - Warnings
  - Review using Schedules
- Working with Links
  - About linking *.rvt
  - Levels and grids. Copy/Monitor
  - About linking *.ifc
  - About linking *.dwg
- Performance Best Practices
  - Revit Updates
  - Revit Links
  - Model Groups
  - Rooms & Spaces
  - Views
- Automation with Dynamo
  - Excel data transfer
  - Family Management: Bulk load from folder
  - Export warnings and impacted element’s ID to Excel

**Who it’s for**
- BIM Manager
- Revit Users
- Project Manager

**Prerequisites**
- Enterprise Success Program
- Attendees should have a basic understanding of Revit

**Capabilities**
- Model Authoring
- Civil Structure Model Authoring
- Design Detailing
- Design Authoring
How to: Manage Revit Families

Learn how to create Revit® families, use advanced loading techniques, and work with families within a project.

Topics
- Overview of Revit families
- Revit elements
- Kinds of families
  - System families
  - Loadable families
  - In-place families
- Host-based and standalone families
- Cuttable and non-cuttable families
- Working with solids and voids
- Creating Revit Families
- Family parameters
- Reference planes

- Reference lines
- Advanced loadable Revit family techniques
  - Nesting families
  - Work plane-based families
  - Vertical families
  - Room-aware families
- Revit family and project interaction
  - Replacing a family
  - Loaded families
  - Type catalogs
  - Upgrade families
  - Automation with Dynamo

Who it’s for
- Building Engineers
- MEP Engineers
- Structural Engineers
- BIM Managers
- BIM Designers

Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge in Revit

Capabilities
- Model Authoring
- Civil Structure Model Authoring
- Design Authoring
- Design Detailing
Learn how to identify and resolve clashes in Revit models using 2D overlays, Navisworks®, BIM 360®, and Dynamo.

**Topics**
- Reviewing clashes using 2D DWG overlay
  - Checking detection in Revit
  - Interference check in Revit
  - Revit warnings on overlapping elements
- Integrating Revit with Navisworks and BIM 360 for clash detection
  - Clash detection features in Navisworks
  - Uploading Revit files to BIM 360 model coordination
- Detecting and resolving clashes with Dynamo
  - Viewing clashes in Revit
  - HTML interference report exported from Revit
  - Parsing and extracting the element IDs
  - Creating a generic model to be placed at clash locations
  - Placing the clash family and filter by levels

**Who it’s for**
- Architects
- Design Engineers

**Capabilities**
- Design Coordination and Review
- Coordination

**Prerequisites**
- Enterprise Success Program
- Attendees should have a working knowledge of Revit
Learn how to create and navigate a federated model, control visibility, create viewpoints and mark-ups, and run clash detection between trades using Navisworks®.

**Topics**
- Why you should use Navisworks for federated models
- Types of Navisworks files
- Appending models in Navisworks
- Creating a federated model demo video
- Navigating a model
- Controlling visibility
  - Toolset options
  - Sectioning plane and box
- Managing toolset options for viewpoints and mark-ups
- Running clash detective between trades

**Who it’s for**
- BIM Manager
- VDC Manager
- BIM Manager
- IT Manager
- Design Technologist

**Prerequisites**
- Enterprise Success Program
- Basic knowledge on any BIM authoring tool such as Revit is recommended

**Capabilities**
- Coordination
- Design Coordination and Review
How to: Create high-end visualizations using Arnold

Learn how to create realistic visualizations with your CAD data in the Arnold Renderer for 3ds Max®.

Topics
- Arnold Renderer Overview
- Installing the Arnold Renderer
- Setting up a 3ds Max scene
- Setting up a render
- Denoise solutions
- Switching between rendering on the GPU and CPU

Who it’s for
- Project Managers
- Visualization Specialists
- CAD Engineers

Prerequisites
- Enterprise Success Program
- Users have basic knowledge of 3ds Max and Revit®

Capabilities
- Rendering
Learn how to connect CAD data streams to rich AR/VR environments using Autodesk® Forge®.

### Topics
- Achieving digital transformation with Forge platform
- Preparing CAD models for AR/VR workflows
  - The AR/VR toolkit
  - The administration console
  - The translation pipeline
  - gITF output
- Authoring AR/VR instructions
- Solution architecture

### Who it’s for
- IT Managers
- Manufacturing Engineers
- Field Engineers
- Service Technicians

### Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge of the Forge platform and AR/VR technologies

### Capabilities
- AR / VR / Immersive Design
How to: Manage data with Forge

Learn how to set up Autodesk® Forge™ and develop applications using the authentication, data management, and BIM 360® APIs.

Topics

- Setting up Forge
  - Your Autodesk ID and Forge account
  - Forge apps
  - Securing Forge apps
  - Tracking usage

- The authentication API
  - Using OAuth2
  - Overview of OAuth
  - Client IDs and secrets
  - Types of authentication
  - Access tokens
  - Authentication scopes

- The data management API
  - Transferring data between Autodesk and storage
  - Uploading objects
  - Uploading files

- The BIM 360 API
  - Adding custom integration
  - BIM 360 Issues Editor
  - Supported operations

Who it’s for

- Web Developers
- Desktop Programmers
- Project Managers
- BIM Specialists
- BIM Managers

Prerequisites

- Enterprise Success Program
- Attendees should have a basic understanding of Forge

Capabilities

- Cloud-based Process Automation
How to: Design for safer air quality

Learn how to identify areas of risk in buildings and explore mitigation strategies for occupant safety using Autodesk® CFD.

Topics

- Overview of safer air quality
- Computational Fluid Dynamics (CFD) for air quality applications
- CFD for IAQ simulations
  - Setting up CFD for indoor air quality
  - Geometry detail
  - Geometry generation
  - Materials
  - Boundary conditions
  - Meshing
  - Solve Dialog
- Determining the Local Mean Age (LMA) of air
- Using Traces
  - Distancing optimization
  - Office layout comparison

Who it’s for

- Site Execution Manager
- Preconstruction Managers
- Simulation Consultant
- Preconstruction Planner/Manager
- Project Manager
- BIM Manager
- Mechanical Engineer
- Project Manager
- Project Leaders
- Project Lead

Capabilities

- Simulation

Prerequisites

- Enterprise Success Program
- Attendees should have a basic knowledge of Fusion 360® and Revit®
Learn how to take advantage of the latest design productivity enhancements in AutoCAD that have been introduced to automate key design processes.

Topics

- Display multiple drawings as separate floating windows.
- Measure distances, angles, and areas of objects using the Quick Measure tool.
- Remove and extend certain parts of objects in a drawing.
- Insert blocks into the current drawing using the various tabs of the Blocks Palette.
- Remove unused or unreferenced elements in a drawing.
- Compare drawings to highlight differences between them.
- Compare the original and the modified externally referenced drawings.
- Create different types of revision clouds and modify their arc length property.
- Create named views and insert them as viewports.
- Modify the viewports in the layout using grips.
- Convert geometric objects that were originally SHX text into Mtext string objects.
- Work with the layer property overrides of the externally referenced drawing files.
- Learn about the various AutoCAD specialized toolsets.

Who it’s for

- Engineers
- Designers

Prerequisites

- Autodesk Account
- Autodesk AutoCAD

Capabilities

- Mechanical Drafting
Learn how to take advantage of the latest features in AutoCAD that have been designed to streamline the design review process.

**Topics**

- Save different versions of the drawing on cloud storage services.
- Compare drawings to highlight differences between them.
- Compare the original and the modified externally referenced drawings.
- Count the blocks and objects in a drawing.
- Mark up a drawing using the Trace tool in the Autodesk AutoCAD web app and review those markups in the AutoCAD desktop software.
- Measure distances, angles, and areas of objects using the Quick Measure tool.
- Remove unused or unreferenced elements in a drawing.
- Create different types of revision clouds and modify their arc length property.

**Who it’s for**

- Engineers
- Designers

**Prerequisites**

- Autodesk Account
- Autodesk AutoCAD

**Capabilities**

- Mechanical Drafting
Achieve better collaboration with both internal and external stakeholders by adopting the latest collaboration tools within AutoCAD.

**Topics**
- Share a copy of the current drawing on the cloud.
- Open, review, mark up, and edit a shared drawing in the Autodesk AutoCAD web app.
- Share views in the cloud and then to analyze and mark them up in the Autodesk Viewer.
- Save drawings to the cloud to be opened using Internet-connected mobile devices.
- Open the drawings that are saved to the cloud in the AutoCAD desktop software.
- Discover the various cloud collaboration enhancements, such as sharing and managing your files on Autodesk Drive and AutoCAD’s connectivity with Autodesk Drive and other cloud storage providers.
- Understand the Autodesk Docs feature.
- Upload drawing layouts from multiple drawings to an Autodesk Docs project as PDFs.

**Who it’s for**
- Engineers
- Designers

**Prerequisites**
- Autodesk Account
- Autodesk AutoCAD

**Capabilities**
- Mechanical Drafting
Learn how to create digital checklists that help improve quality, address issues, and get you closer to a zero-punch state at closeout.

Topics
- Understanding the quality process in BIM 360
- Digitizing pre-punch checklists to look for defects before punch
- Defining inspection scope and areas
- What to do before going into the field
- Using pre-punch checklists on a mobile device
- How to record to-dos and defects

Who it’s for
- Preconstruction Managers
- Subcontractor Leaders
- Project Leaders
- Project Manager
- Superintendent
- Field/Site/Project Engineer
- Quality/Safety/Health and Safety Director
- Foreman
- Mechanical Engineer
- Mechanical Designer

Capabilities
- Quality Management
- Safety Management
- Commissioning

Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge of BIM 360 Build
How to: Use checklists in the field with BIM 360® Build

Learn what to do before going into the field, how to use pre-punch checklists on a mobile device, and how to record to-dos and defects using BIM 360® Build.

### Topics
- Project set-up
- Locations
- App Configuration
- Document Download
- Using a checklist to inspect a room
- Documenting issues from a checklist
- Completing a checklist
- Recording issues
- After inspection is complete

### Who it’s for
- Subcontractor Leaders
- Project Leaders
- Project Manager
- Superintendent
- Field/Site/Project Engineer
- Quality/Safety/Health and Safety Director
- Foreman
- Mechanical Engineer
- Mechanical Designer

### Capabilities
- Quality Management
- Safety Management
- Commissioning

### Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge of BIM Build
Learn how to communicate issues across different teams, work with other teams to resolve issues before punch list and analyze data and trends in BIM 360® Build.

**Topics**
- Sending issue reports
- Creating internal and external reports
- Scheduling external reports
- Driving an issue to resolution
- Analyzing data

**Who it’s for**
- Superintendents
- Project Engineers
- Field Engineers
- Project Controls

**Capabilities**
- Quality Management
- Safety Management
- Commissioning
- Coordination
- Design Collaboration
- Handover
- Layout
- Sustainability Management
- Quantification

**Prerequisites**
- Enterprise Success Program
- Attendees should have basic knowledge of BIM 360 Build
Learn how to use 3D models on mobile devices, create equipment datasets, add equipment properties to site activities, and merge external data into equipment data.

**Topics**
- Products used for equipment data exchange
- Enabling BIM management in BIM 360® Field
- Opening and Gluing a Revit® model
- Creating equipment sets in Glue
- Sharing a Glue 3D model with BIM 360 Field
- Defining categories and types
- Adding a 3D model to BIM 360 Field
- Defining standard mapping in BIM 360 Field
- Viewing BIM 360 equipment models in Glue

**Who it’s for**
- Administrator
- BIM Manager
- VCD (Construction Management)

**Capabilities**
- Handover
- Commissioning

**Prerequisites**
- Enterprise Success Program
- Attendees must have a basic understanding of BIM 360 Glue and Field (both classic)
How to: Use data to monitor quality with BIM 360 Field (Classic)

Learn how to use defect logging & monitoring tools to detect quality issues and take action with BIM 360® Field (Classic).

Topics
- BIM 360 Insight in-product offerings
- Proactive vs. reactive quality control
- Pinning issues to locations with Pushpins
- Closing issues on time
- Ensuring project team engagement

Who it’s for
- BIM Managers
- Digital Leads
- Project Managers
- QA Managers
- Executives and Board Members

Prerequisites
- Enterprise Success Program
- Ongoing BIM 360 Field Classic projects
- Completed consent agreement giving Autodesk permission to collect relevant data

Capabilities
- Quality Management
Learn how to export points from multiple Autodesk® applications, including AutoCAD®, Revit®, and Navisworks®.

Topics
- Overview of Autodesk Point Layout (APL)
  - Improved efficiencies with APL
  - The APL workflow
  - The points lifecycle
  - Overview of the Autodesk Layout product family
- Exporting points from AutoCAD
- Exporting points from Navisworks
- Exporting points from Revit
- Overview of BIM 360 Layout

Who it’s for
- Superintendents
- Project Engineers
- Field Engineers
- CAD Managers
- Designers
- CAD Operators

Capabilities
- Layout

Prerequisites
- Enterprise Success Program
- Basic understanding of AutoCAD, Revit, Navisworks, and BIM 360
- Host application such as AutoCAD, Revit, and Navisworks
- Autodesk Point Layout license
### How to: Work with Inventor models in Revit and BIM 360

Learn how to prepare your existing design content in Autodesk® Inventor® and publish it for use in Revit® and BIM 360®.

### Topics
- Connecting Manufacturing and AEC
- Collaboration between Manufacturing and AEC
- Workflows for connecting Manufacturing and AEC
- Publishing Inventor models as BIM objects
- Simplifying Inventor models and removing intellectual property
- Defining MEP connectors
- Publishing BIM content
- Using Inventor data in Revit

### Who it’s for
- Product Design Engineers
- Mechanical Engineers
- Manufacturing Engineers
- Industrial Engineers
- Architects
- Building Design Engineers

### Capabilities
- Factory Layouts and Planning
- Design Detailing
- Coordination
- Civil Structure Model Authoring
- Civil Structure Detailing

### Prerequisites
- Enterprise Success Program
- Attendees should have a basic understanding of Inventor
How to: Export Checklists from BIM 360 Field Classic to Next Gen

Learn how to migrate and configure checklist templates in BIM 360® Field Management.

Topics
- Exporting checklists from BIM 360 Field Classic
- Importing checklists into BIM 360 Field Management
- Account level checklists
- Section assignees
- Pre-defined issue settings
- More flexible signatures
- Assets and checklists
- Discoverability improvements
- Insight
- Data Connector: provide raw data for BI solution reporting

Who it’s for
- BIM Managers
- Contractors
- Architects
- Project Engineers
- Field Engineers
- Project Managers

Prerequisites
- Enterprise Success Program
- Basic understanding of document management module (including issues) in BIM 360

Capabilities
- Quality Management
- Safety Management
- Commissioning
Learn how to track and manage the lifecycle of project assets to reduce the time to take asset data into the field, perform commissioning operations and reduce risk.

**Topics**
- What assets are
- Creating issues related to assets
- Using checklists
- Attaching documents to assets
- Exporting asset data

**Who it’s for**
- Superintendents
- Project Engineers
- Field Engineers
- Project Managers

**Prerequisites**
- Enterprise Success Program
- Attendees should have a basic understanding of the document management module in BIM 360

**Capabilities**
- Commissioning
- Equipment Commissioning
- Handover
Learn how to investigate and collaborate with models as if you were on site with BIM 360® Document Management cloud models and virtual reality integration.

**Topics**
- Demos of Insite VR and Resolve VR
- Integrations with BIM 360
- BIM 360 and virtual reality prerequisites
- BIM 360 and model setup
- Linking a model to an integration
- Getting the VR headset ready

**Who it’s for**
- Superintendents
- VDC Managers
- Project Managers
- Architects
- Designers
- Engineers
- Owners

**Prerequisites**
- Enterprise Success Program
- Attendees should have a basic understanding of document management and account admin modules in BIM 360

**Capabilities**
- Visualization
- AR / VR / Immersive Design
Learn best-practices for model creation and collaboration to assist project and field teams with viewing models using BIM 360® Document Management.

**Topics**
- Revit: Model Creation Best Practice,
- Revit Cloud Worksharing: Upload / Publish,
- BIM 360 Document Management: Overview / Design Review Tool Capabilities

**Who it’s for**
- VDC Manager
- BIM Manager
- Digital Leaders
- Subcontractor Leaders

**Capabilities**
- Visualization

**Prerequisites**
- Enterprise Success Program