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?

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

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

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

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

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

**Examples**
- 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**
Accelerator Details
Coaching Session

Introduction to

- Forge (General)
- Forge (Manufacturing)
- Digital factory design
- Design validation with Moldflow Adviser
- Assemblies in Inventor
- Generative Design in Fusion
- Fusion simulation
- Vault for DR/BC plans
- Sub-D modeling in Alias
- Hybrid modeling with Nurbs and SubD
- Navisworks (Manufacturing)
- AutoCAD Mechanical

How to

- Set up a project in BIM 360 Docs
- Create issues and manage documents in BIM 360 Docs
- Share data between Vault and BIM 360 or Fusion
- Analyze geometries with Inventor Nastran
- Configure an SQL environment for Vault
- Build a digital product catalog in Forge
- Work with Inventor models in Revit and BIM 360
- Integrate multiple assemblies into a machine design
- Transition from files to items in Vault
- Plan for a Vault migration
- Present Inventor data for design reviews
- Manage project assets (Issues & Checklists)
- Create high-end visualizations using Arnold
- Review models and identify coordination issues with Navisworks
- Review models with visualized walkthroughs

- Manage data with Forge
- Modern Approach to Documentation In Inventor
- Introduction to Netfabb
- Introduction to Netfabb Simulation
- Get Started with Vault Administration
- Create, Edit and Share Files in Vault Pro
- Publish Design Files for Release in Vault Pro
- An In-Depth look at Autodesk Vault’s Copy Design
- How to: Adopt AutoCAD’s Latest Design Productivity Enhancements
- How to: Improve Design Review Efficiency in AutoCAD
- How to: Modernize Collaboration when using AutoCAD
- AutoCAD Graphics Improvements
- AutoCAD User Interface Enhancements
- AutoCAD Performance Enhancements
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

Capabilities
- Cloud-based Process Automation
- Data Enrichment
- Management and Delivery

Prerequisites
- Enterprise Success Program
- Attendees have access to Forge
Get familiar with Autodesk Forge™ APIs in the manufacturing space and how to transition automation from desktop CAD to the cloud.

Topics
- Getting started with Forge
- Forge APIs
  - Cloud credit arrangements for Forge APIs
- Governing and administering Forge
- Design Automation for Autodesk Inventor®
- Design Automation for AutoCAD®
- The skillsets and resources need to develop a Forge application
- Web debugging tools

Who it’s for
- Mechanical Engineer
- CAD Manager
- IT Manager
- Manufacturing Director

Capabilities
- Design Automation

Prerequisites
- Enterprise Business Agreement (EBA)
- Access to Forge
Introduction to: Digital factory design

Get familiar with digital factory design workflows using Autodesk® AutoCAD®, Inventor®, and Vault.

Topics
- AutoCAD
  - Creating layouts
  - Updating layouts
  - Placing assets
  - Integrating with Vault and Inventor
- Inventor
  - Creating and updating assets
  - Creating and viewing layouts
  - Integrating with Vault and AutoCAD
- Vault
  - Storage of Asset Library
  - Storage of Layouts
  - Storage of additional files (Navisworks)

Who it’s for
- Anyone involved in laying out new factories or maintaining or modifying existing factories

Prerequisites
- Enterprise Success Program
- Attendees understand how factories are configured, updated, and managed
- AutoCAD Architecture and/or Inventor experience is helpful, but not required

Capabilities
- Factory Layouts and Planning
- Production Simulation and Analysis
Get familiar with validation workflows using Moldflow® Adviser to determine your ability to manufacture a part in the design phase.

**Topics**

- Overview of design concepts and manufacturability
  - Criteria for manufacturability
  - How manufacturability can influence design decisions
  - The pros and cons of custom solutions
  - Designing for manufacturability
- Design and manufacturability conflicts
  - Conflicts of expertise
  - Bottleneck workloads
  - Avoiding resource waste
- How Moldflow Adviser can be used to resolve conflicts

**Who it’s for**

- Project Managers
- Designers
- Tool Makers

**Prerequisites**

- Enterprise Success Program
- Attendees have a general knowledge of design tools

**Capabilities**

- Production Simulation and Analysis
- Product Simulation
# Introduction to: Assemblies in Inventor

Get familiar with the features and workflows for large assemblies in Autodesk Inventor®.

## Topics
- Establishing your start
- Origin Points in sketches
- Origin Planes
- Constraints

## Who it’s for
- Mechanical Engineers
- Mechanical Designers
- Machine Designers
- CAD Designers

## Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge of Inventor

## Capabilities
- Model-Based Engineering
- Machine Design
- Civil Structure Model Authoring
How to: Review models and identify coordination issues with Navisworks

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
Introduction to: Generative Design in Fusion

Get familiar with generative design for weight reduction and component consolidation in Fusion 360®.

Topics
- Manufacturability
- Light-weighting
- Preserve regions
- Obstacle regions
- Loads
- Materials
- Constraints
- Manufacturing methods
- Design exploration

Who it’s for
- Project Managers
- Designers
- Tool Makers
- Engineers

Prerequisites
- Enterprise Success Program
- Attendees have a general knowledge of design tools

Capabilities
- Product Generative Design
How to: Share data between Vault and BIM 360 or Fusion

Learn how to securely sync selective data to extended project teams with BIM 360® and Fusion™ Team.

Topics

- Sharing visual representations and getting feedback with Autodesk Viewer
- Delivering files to customers and suppliers with Autodesk Drive
- Exchanging select data with external collaborators automatically
  - External collaboration beyond the firewall
  - The external collaboration workflow
- Collaboration on designs and project sync
- Accessing design data in Autodesk Drive
- How to deploy and use Autodesk Desktop Connector
- Selective exchange of CAD documents
- Job Processor and Desktop Connector

Who it’s for

- IT Manager
- Project Engineers
- Field Engineers
- Project Managers

Prerequisites

- Enterprise Success Program
- Attendees must have a basic understanding of Vault and document management modules in BIM 360 and Fusion Team

Capabilities

- Data Management
Learn how to use CAD-embedded FEA workflows for structural element analysis in Inventor® Nastran.

**Topics**
- The Nastran environment
- Linear static analysis with solid elements
- Defining idealizations
  - Element type and material
- Mesh settings
- Boundary conditions
  - Constraints and loads
- Interpreting analysis results
- Generating a report
- How to duplicate an analysis
- Linear static analysis with shell elements
- Introduction to Contact
- Mesh convergence

**Who it’s for**
- Engineers
- Designers
- Project Managers
- Finite Element Specialists

**Prerequisites**
- Enterprise Success Program
- Access to the CS Learning Course
- Access to Inventor and Inventor Nastran

**Capabilities**
- Product Simulation
How to: Configure an SQL environment for Vault

Evaluate your SQL server and Vault configuration with a set of purpose-built diagnostic tests that check settings, verify errors, and confirm healthy replication.

Topics
- SQL settings
  - Cardinality
  - Compatibility
  - Mode
  - Max memory
- CPU
- Memory
- SQL/Window Versions
- Long running queries
- Maintenance
  - Maintenance plan
  - Index health
  - Current Statistics
  - Job statuses
- SQL Errors
- Replication status (if applicable)
- Database Size and growth
- SQL Waits types and causes

Who it’s for
- Vault Administrators

Prerequisites
- Enterprise Success Program
- Attendees should have basic knowledge of Vault

Capabilities
- Data Management
How to: Share data between Vault and BIM 360 or Fusion

Learn how to securely sync and share selective data to extended project teams using BIM 360® Docs, Fusion™ Team, Autodesk Viewer, and Autodesk Drive.

**Topics**
- Collaborative with Vault Professional
  - External collaboration workflows
  - Project sync
- Autodesk Drive
  - Pack & go including transmittal report
  - Accessing design data
- Desktop Connector
- Fusion Team
  - Exchanging data with external collaborators

**Who it’s for**
- IT Manager
- Project Engineer
- Field Engineer
- Project Manager

**Prerequisites**
- Enterprise Success Program
- Attendees must have a basic understanding of Vault and document management modules in BIM 360 and Fusion Team

**Capabilities**
- Data Management
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 Management
- Commissioning
- Document Management

**Prerequisites**
- Enterprise Success Program
- Attendees should have basic knowledge of BIM 360 Docs
How to: Create issues and manage documents in 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
Introduction to: Vault for DR/BC plans

Get familiar with how Autodesk® Vault® fits into your DR/BC plan, including disaster recovery procedures, the impact of infrastructure loss, roles and responsibilities, and more.

Topics
- Criteria for including Vault in a disaster recovery plan
- Considerations for when the Vault environment is replicated
- 3rd party solutions for backing up and restoring Vault
- What is not included in the default Vault disaster recovery plan
- Planning for disaster recovery
- Considerations for when the Vault server hosts AutoCAD®, Plant 3D, and Revit® data
- Accounting for other applications in the Vault ecosystem when developing a recovery plan
- Roles and responsibilities involved in the disaster recovery plan

Who it’s for
- Disaster Recovery Coordinators
- Database Administrators
- IT and Network Administrators
- Vault Administrators
- CAD Managers
- Escalation Managers

Capabilities
- Data Management

Prerequisites
- Enterprise Success Program
- Attendees must be familiar with their internal disaster recovery process
- A test environment matching the production environment
Learn how to build a proof of concept web application for publishing CAD models to a digital product catalog with Autodesk® Forge® & Fusion 360®.

**Topics**
- Fusion 360® & Forge Platforms
  - App Capabilities
  - Digital Catalog
- Interactive Instructions
- Solution Architecture
- App Deployment
- Expansion Ideas

**Who it’s for**
- Product Marketing
- Sales Engineers
- Field Engineers

**Prerequisites**
- Enterprise Success Program
- Attendees have a basic understanding of document management in Fusion Team

**Capabilities**
- Product Configuration
Introduction to: Sub-D modeling in Alias

Get familiar with the Sub-D toolset in Alias® and the workflows needed to quickly create Sub-D concept models.

Topics
- Understanding the anatomy of a Sub-D
- Understanding the Sub-D toolset in Alias
- Workflows for:
  - Box modelling
  - Edge modelling
- Adding details and model refinement
- Understanding topology
- Model clean-up
- Using traditional surface operations to add details and hybrid modelling

Who it’s for
- Industrial Designers
- Digital Sculptors
- Math Modelers

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

Capabilities
- Surfacing
- Visualization
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
Introduction to: Hybrid modeling with Nurbs and SubD

Learn how to create SubD models in a hybrid environment using Nurbs, Polygons, and Scan Data, and work with multiple geometry sets in Alias®.

Topics
- What hybrid modeling is
- Hybrid modeling environments
- Using the surface and surface edit tools to modify a SubD model
- SubD to SubD workflows
- Using scan data in SubD modeling
- Updating NURBS models with SubD
- Working with Maya® data in Alias

Who it's for
- Industrial Designers
- Digital Sculptors
- Math Modelers

Prerequisites
- Enterprise Success Program
- Attendees must have access to Alias 2021
- Attendees should be proficient with the Alias application and have experience in SubD workflows

Capabilities
- Visualization
Learn how to use sub-assemblies, constraints, and imported CAD data to bring multiple assemblies together into a holistic machine design.

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Capabilities

- Machine Design
Learn how to create, maintain, and link items with files in Autodesk® Vault Professional.

Topics
- Overview of Items
- Overview of Item management
- Bills of materials and BOM views
- Managing Items and BOMs in Vault
- BOMs in Inventor
- Types of BOM structures
- Creating Items

Who it’s for
- IT Project Engineers
- Project Managers

Prerequisites
- Enterprise Success Program
- Attendees should have a working knowledge of Vault’s file, revision, lifecycle, and properties functionalities.
- Access to Autodesk Vault

Capabilities
- Data Management
- Bill of Materials Management
Get familiar with the Autodesk Fusion 360® simulation environment with an introduction to the static stress analysis.

**Topics**
- Installing Autodesk Fusion 360
- The user interface
- Assigning and reviewing material properties
- Assigning loads to the geometry
- Assigning constraints
- Defining contact between parts of an assembly
- Meshing the geometry
- Analyzing the geometry
- Reviewing and comparing results

**Who it’s for**
- Product Designers
- Design Engineers
- Mechanical Engineers
- Project Managers

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

**Capabilities**
- Not in Airtable
How to: Plan for a Vault migration

Learn how to migrate your Vault, cover in-place upgrades and new server migrations, and how to handle both multi and single-site environments.

**Topics**
- Vault installation
- Vault migration in a multi-site environment
- Vault requirements
- SQL Server Requirements
- Testing and validation
- Migrating in a single site environment
- Migrating in a multi-site environment
- Migration when SSL is configured

**Who it’s for**
- CAD Managers
- IT Managers
- Database Administrators
- Vault Administrators

**Prerequisites**
- Enterprise Success Program
- Attendees should have knowledge their organization’s Vault environment and current configuration

**Capabilities**
- Design Automation
- Design Collaboration
How to: Present Inventor data for design reviews

Learn how to prepare, execute, and streamline clear and effective design reviews with peers and all involved stakeholders.

Topics

- Definition & Setup
  - Design View Representations
  - Level of Detail Representations
  - Positional Representations
  - Model-based Definitions (3D Annotations)

- Share & Review
  - Inventor Read-only Mode
  - Autodesk Design Review
  - Autodesk Shared Views (Online Viewer)

Who it’s for

- Product Design Engineers
- Mechanical Engineers
- Manufacturing Engineers
- Industrial Engineers

Prerequisites

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

Capabilities

- Design Coordination and Review
How to: Review models with visualized walkthroughs

Learn how to navigate an immersive, animated walk-through of a federated model to identify problems using Navisworks®.

**Topics**
- Preparing federated models for review
  - Navisworks file formats
  - Appending and merging models
  - Transforming models
  - The Appearance profiler
  - Grid and levels
  - Sectioning
- Real-time navigation
  - Steering Wheels
  - View Cube
  - Controlling the realism of your navigation
  - Custom avatars
  - Viewpoints
    - Reviewing models
    - Selecting objects and finding models
    - Output viewports and resolving issues

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

**Prerequisites**
- Enterprise Success Program
- Attendees should have a working knowledge of Navisworks

**Capabilities**
- Visualization
- Design Coordination and Review
- Coordination
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
Introduction to: Navisworks (Manufacturing)

Learn how to coordinate, review, and present your models using Navisworks®.

Topics
- Navisworks file types
- Model aggregation
- Clash detection
- TimeLiner
- Model review
- Walkthroughs

Who it’s for
- Mechanical Engineer
- Production and Operations Manager
- Manufacturing Engineer
- Facilities Manager
- Industrial Engineer
- Process Engineer

Capabilities
- Production Simulation and Analysis
- Design Coordination and Review
- Model Maintenance
- Visualization

Prerequisites
- Enterprise Success Program
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
# Introduction to: AutoCAD Mechanical

Get familiar with the functionalities and benefits offered by the AutoCAD® Mechanical toolset.

## Topics
- Standards management
- Drafting and annotation tasks
- Design and engineering tasks
- Advanced features

## Who it’s for
- Mechanical Engineers
- CAD Managers
- Design Engineers
- Product Engineers

## Prerequisites
- Enterprise Business Agreement (EBA)
- Attendees should have a basic familiarity with AutoCAD

## Capabilities
- CAD Interoperability
- Mechanical Drafting
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
Learn how to add Geometric Dimensioning & Tolerancing (GD&T) and other manufacturing information to the model. GD&T annotations on the 3D model describe the tolerances, controls, and allowable variation in the model.

**Topics**
- Add 3D annotation in the 3D model for basic description of the design dimensions.
- Include detailed annotation such as geometric dimensioning and tolerance data.
- Define views of the model to present 3D annotation clearly to share with others.
- Generate 2D drawings that include the 3D Annotation.
- Prepare a model for tolerance analysis and conduct an analysis of the design.
- Review the results of the tolerance analysis and edit tolerances to improve the design.

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

**Prerequisites**
- Autodesk Inventor
- Know how to create part and assembly models
- Know how to define detail drawings and GD&T

**Capabilities**
- Technical Documentation
- Manufacturing Documentation
- Mechanical Design

Modern Approach to Documentation Inventor
This Accelerator can be used to build foundational knowledge of Netfabb. It introduces users to an On-Demand course which can then be completed in their own time, with a series of Office Hours for questions and guidance.

### Topics
- Basic workflows within Netfabb
- Model Repair
- Packing
- Slicing
- Support Structures
- Lattice Generation

### Who it’s for
- Engineers
- Designers
- Project Managers
- Finite Element Specialists

### Prerequisites
- Autodesk Netfabb
- Autodesk Account

### Capabilities
- Product Simulation
- Additive Manufacturing
Gain the foundational knowledge required to use Autodesk Netfabb Simulation effectively.

### Topics
- Basic workflow and background of part level modeling
- Part Level vs Process Parameter
- Simulation Setup
- Result Outputs
- Interoperability

### Who it’s for
- Engineers
- Designers
- Project Managers
- Finite Element Specialists

### Prerequisites
- Autodesk Netfabb Simulation
- Autodesk Account

### Capabilities
- Product Simulation
- Additive Manufacturing
Learn the importance of proper project, folder, and file structure, as well as the customization of Vault Professional to securely store your design data in Vault.

**Topics**
- Get started with Inventor and Vault projects, folders, and files
- Add users, groups, and roles
- Understand lifecycle administration
- Understand category administration
- Set up a numbering scheme
- Understand properties administration
- Understand revision scheme administration
- Bulk load data into Vault

**Who it’s for**
- Vault Administrators

**Prerequisites**
- Autodesk Account
- Autodesk Vault

**Capabilities**
- Design Collaboration
- Manufacturing
- Documentation
- Data management
Create, Edit and Share Files in Vault Pro

When teams work from a central source of organized data, like Vault Pro, they reduce errors and save time collaborating. In this accelerator, you learn how to create new files and share them using Vault Pro. You also learn how to properly check out files that require editing.

Topics

- Create a new file from an existing file using Copy Design
- Update an existing file in Vault using the Get command
- Share a file version with others using Check In
- Change the lifecycle state of a file using Change State
- Notify teammates to update a local file using Refresh File

Who it’s for

- Vault Administrators
- Engineers
- Designers
- Project Managers

Prerequisites

- Autodesk Account
- Autodesk Vault

Capabilities

- Design Collaboration
- Manufacturing
- Documentation
- Data Management
Even if you are designing in 3D, 2D drawings are still required. In this accelerator, you learn how to print 2D drawing files for distribution from Vault Pro.

**Topics**
- Understand how Vault manages PDFs
- How to configure PDF Publishing options in Vault
- How to manually create a PDF in Vault
- How to automate PDF Publishing following lifecycle change in Vault
- How to share released files from Vault
- How to use Thin Client in your release process
- How to use Batch Plotting in your release process

**Who it’s for**
- Vault Administrators
- Engineers
- Designers
- Project Managers

**Prerequisites**
- Autodesk Account
- Autodesk Vault

**Capabilities**
- Design Collaboration
- Manufacturing Documentation
- Data Management
Leverage existing content to speed up your design process using Vault Copy Design.

**Topics**
- User Interface Explained
- Customizing the User Interface
- Numbering Schemes and Actions
- Copy/Replace/Reuse/Exclude
- Managing and Applying Rule Sets
- Copy a Design Walkthrough
- Best Practices

**Who it’s for**
- Vault Administrators
- Engineers
- Designers
- Project Managers

**Prerequisites**
- Autodesk Account
- Autodesk Vault

**Capabilities**
- Design Collaboration
- Manufacturing Documentation
- Data Management
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
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**Prerequisites**

- Autodesk Account
- Autodesk AutoCAD

**Capabilities**

- Mechanical Drafting
How to: Modernize Collaboration when using AutoCAD

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
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
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
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
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Prerequisites

- Autodesk Account
- Autodesk AutoCAD

Capabilities

- Mechanical Drafting