AUTODESK® FORGE

Forge: The Basics

Autodesk Forge can be used to quickly create unique, integrated, data-centric AEC and Manufacturing solutions out of Autodesk cloud-based software components. It is both a scalable developer platform—comprising APIs, SDKs, and other cloud services for connecting data and workflows—and a community.

Forge enables you and your customers' software developers to:

- Create digital experiences that access any kind of design and engineering data—from virtually anywhere at any time

- Engage with the Forge community to get up to speed quickly

- Scale easily as your customers' needs change or as you form new ideas

- Improve existing software or build new, custom solutions using industry-standard web technologies

Your Opportunities with Forge

As one of Autodesk's best sales partners, you can help your customers identify their needs for custom, cloud-based solutions, and then help them develop those solutions—or build your own next-generation apps and web services.

- Quickly grow high-margin services without having to hire hard-to-find, high-cost staff

- Delight customers, and give them a competitive advantage, by delivering fast solutions to pressing problems

- Add compelling value to Fusion 360 and BIM 360 deals

Talk to your Autodesk cloud customers, especially BIM 360 and Fusion 360 users; they are ripe for a Forge solution to extend their Autodesk products or add new ones.

Conversely, Forge customers are good candidates for our cloud products because Forge makes it easier than ever to seamlessly add our software.

The Forge Community

The Forge community of partners and customers is growing fast. We've listed a few early adopters below. To learn more, check out these customer success stories: https://forge.autodesk.com/customers

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Under the Hood

The Forge platform is growing fast too. These are the most prominent components today.

Viewer
Displays 2D and 3D design files including basic VR, and associated data from 50+ file formats. Deliver your customer's web and mobile apps to increase online sales and reduce costs and risks. Communicate important design information to anyone anywhere on any device with a browser. Create tailored customer experiences—such as project dashboards, cost estimations, design sharing, and BOM or schedule views—that can leverage information from other applications.

Model Derivative API
Translates design files from one format to another, prepares them for online viewing, and extracts geometry and object property data. Design data can be quickly and easily integrated with other systems such as ERP, PLM, cost estimating, and scheduling.

Design Automation API
Runs AutoCAD as an engine in the cloud. Use it as a drawing generation engine for web applications, for example, or to convert thousands of DWGs to PDFs in batch. Autodesk Inventor and Revit engines coming soon.

Data Management API
Manages files across A360, Fusion 360, and BIM 360 Docs, and the Forge native Object Storage Service. Use a consistent and unified interface to upload/download data files from different Autodesk products and web services. Access project- and file-level data for integrating with other enterprise or project systems.

Dig Deeper

Do you have questions?
Want to explore a bit on your own?

- Product questions:
  forge.help@autodesk.com

- Pricing or business model questions:
  forge.sales@autodesk.com

- Partnership questions:
  forge.sales@autodesk.com

- Marketing questions:
  forge.marketing@autodesk.com

- Visit our website:
  forge.autodesk.com

- Visit our developer portal:
  developer.autodesk.com

- Visit us on Twitter:
  @AutodeskForge