

The background of the slide is a complex, organic wireframe mesh in light gray. A solid blue horizontal band spans the middle of the image, serving as a backdrop for the text.

Forge for Digital Construction

Jeremy Tammik | @jeremytammik
The Building Coder, Autodesk

Join the conversation #bamdigital



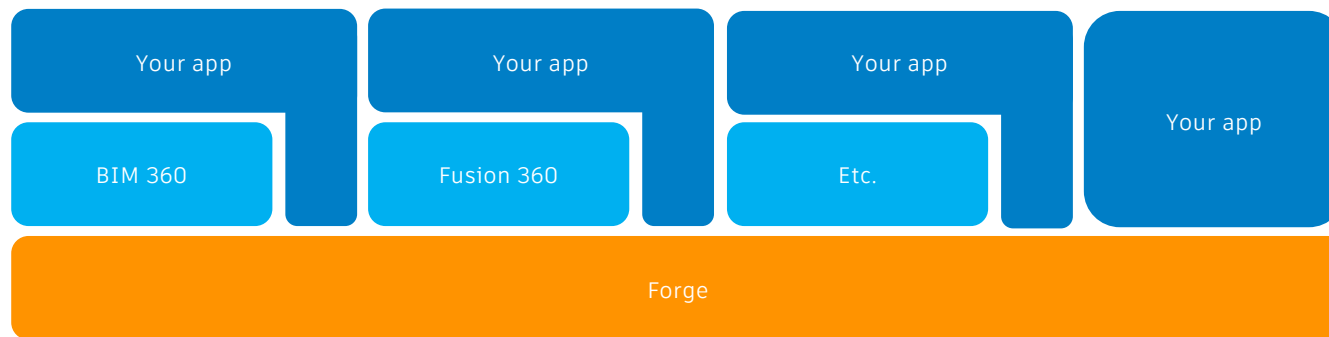
Forge Empowers Developers to Empower Users

- Forge is a platform to empower developers
- They can in turn empower their users
 - design
 - visualise
 - collaborate
 - make
 - use



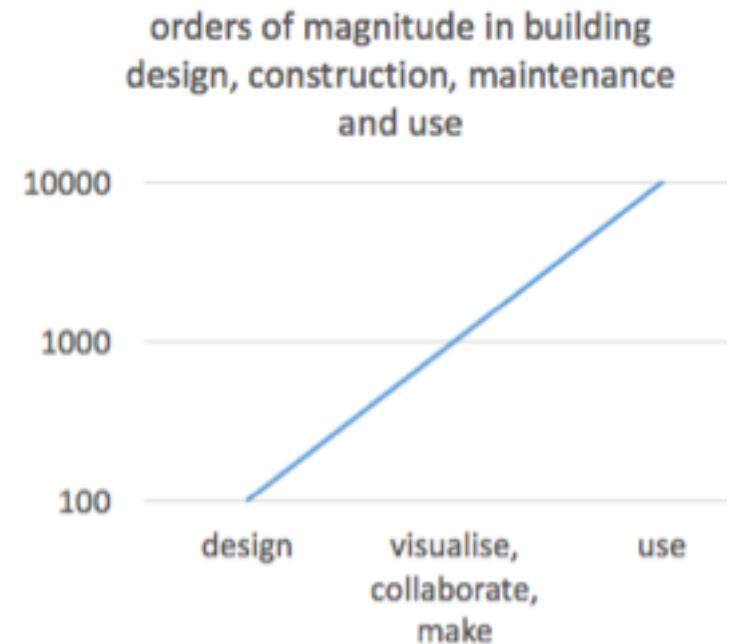
Forge is a Platform

- Autodesk uses Forge to build its products
- Your application has access to the same APIs



Digital Model Collaboration Roles

- Participant counts grow by orders of magnitude
- Building design, construction, maintenance, use
 - design - architect, engineer - Revit
 - visualise - client, everybody - Viewer
 - collaborate - management – Glue, Plan
 - make - construction – Field, Layout
 - use - inhabit, maintain, FM



Loosing Information Looses Money

- High cost savings connecting optimally

Optimise Your Digital Workflow

- What are the tasks?
- Who needs what?
- Where, when, and how?
- Is a collaborator involved in hard-core digital design work?
- Or, more commonly, read-only access, or simple data input, e.g.:
 - view, annotate, adjust, construct, mobile, field work?
- Minimise! Data, access, complexity, you name it...
- Fix pain points?

Architectural Showcase

- Gallery of buildings
- Built by [CAD & Company](#) in the Netherlands
- Including detailed BIM information

<https://bldng360.com>

[Duijpaviljoen 'Zuin am See'](#)

BIM360 Project Property Access & Dashboard

- BIM360 project dashboard example
- Demonstrate how to extract properties from BIM360 elements
- Display in a project dashboard

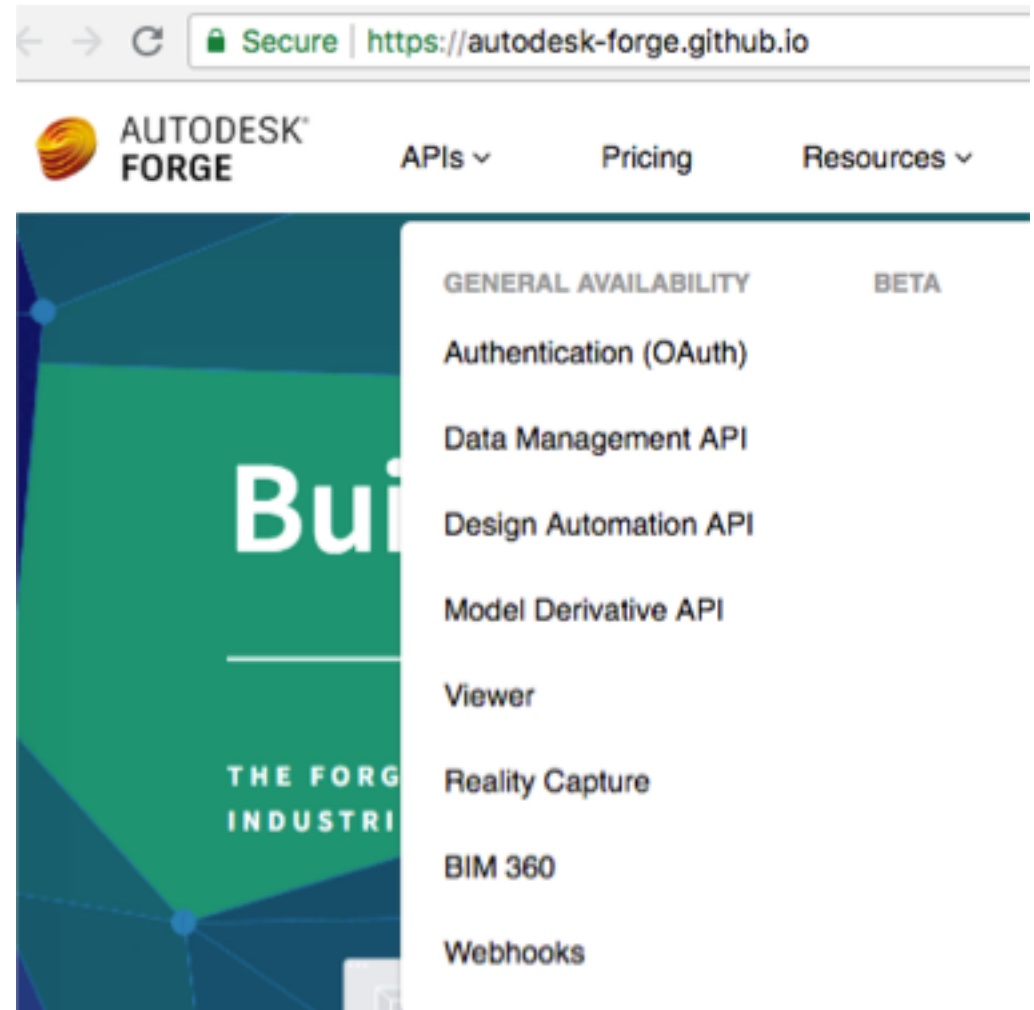
<https://bim360reports.autodesk.io>

Trends, Tools and Technologies

- Revit
 - Expensive
 - Shrinking numbers of desktop computers
- BIM360
 - Cost, mobile
- Forge
 - Translation cost, partially free and open source
- Glue code, connected custom components
 - Open source libraries
 - JavaScript, HTML5, SVG, WebGL

Forge APIs

<https://autodesk-forge.github.io>





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