

What is Open Cloud?

Open Cloud is a toolkit for building web-based applications that interact with complex engineering data.

Visualization

Fast viewing of large CAD and BIM models in a browser.

Common Data Access

Convenient access to model hierarchy and properties.

Automation

Javascript solution for automating server-side tasks.

Open Cloud decouples your engineering workflows from expensive, proprietary applications and services.

Store your models in the cloud, and use our convenient APIs for browser-based access to the following formats:

Autodesk® Revit® files PRC (3D PDF) .dwg OBJ

Autodesk® Navisworks® files IFC STL .dgn

**Native Access
to Proprietary
and Open
Engineering
Formats**



Flexible Deployment

Open Cloud is a technology, not a service. Open Cloud applications can be deployed on any cloud OS, on public or private clouds.

Tuned for Microsoft® Azure®

Open Cloud has been tuned with the help of Microsoft engineers to provide high performance on Azure. It offers tight integration with Azure features and services.

Powerful and Convenient Workflows

Multi-Format Viewer

View multiple engineering formats in a single viewer with a common interface.

Universal Markup Editing

Mark up models from any format, save and share marked up views.

Easy Integration

Convenient REST APIs allow Open Cloud solutions to be integrated into any web application.

Cutting Planes

Real-time GPU-based or CPU-based cutting planes provide flexibility for inspecting interior sections of large models.

Selection

Fast and flexible selection options allow for selection and property inspection, with granularity options for sub-object selection.

Collision Detection

Real-time testing for clashes in complex 3D models.

Advanced Features

Optimization Techniques for Large Models

Streaming

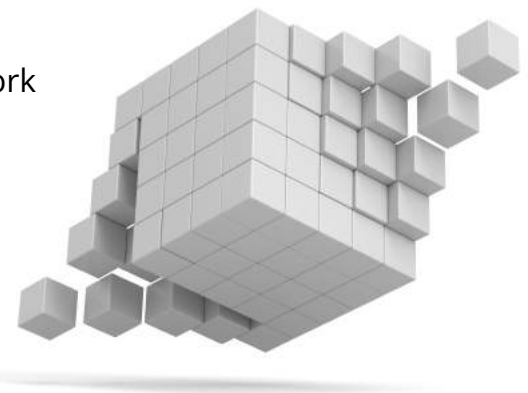
Only the visible portion of a model is streamed, minimizing network traffic between the server and client.

Level of Detail (LOD)

Advanced algorithms such as progressive mesh provide optimal detail level for tessellated geometry.

Memory Limiting

Low-memory clients can visualize and manipulate large models through prioritized processing of geometry.



About Open Design Alliance

Open Design Alliance builds SDKs for people who work with complex engineering data.

We offer solutions for proprietary and open engineering formats including data access, visualization, cloud development, publishing and more.



Do anything with your
CAD and BIM data.

For more information, visit www.opendesign.com