FEDRAMP-AUTHORIZED PRODUCTS BRING COMMERCIAL CAPABILITIES TO FEDERAL AEC TEAMS

Digital transformation is accelerating across the Federal government, spanning efforts to create efficiencies, improve the customer experience, empower the Federal workforce, and much more. The $1.2 trillion Infrastructure Investment and Jobs Act directly addressed the need for digital transformation in architecture, engineering, and construction (AEC). It authorized $100 million over five years for a digital design and construction program to help state transportation agencies maximize interoperability across other systems, products, tools, and applications; boost productivity; reduce complexity, project delays, and cost overruns; and enhance safety and quality.

Federal agencies and their contractors can realize the same benefits from digitization in their AEC initiatives. Cloud-based, common data environments and digital workflows, for example, can bolster collaboration across project teams, streamline processes, and speed problem resolution.

As agencies and contractors consider the opportunities presented by cloud solutions, security requirements are a key consideration. Federal agencies must select cloud solutions that are approved under the Federal Risk and Authorization Management Program (FedRAMP®), which enables agencies to use modern cloud technologies with emphasis on security and protection of Federal information. FedRAMP provides a standardized approach to security assessment, authorization, and continuous monitoring for cloud products and services.

Autodesk has always taken data security and compliance very seriously.[1] To meet the Federal government's unique security requirements, Autodesk built an Autodesk for Government cloud solution that implements the 323 security and compliance controls for FedRAMP Moderate authorization.[2] The authorization process includes in-depth penetration testing, vulnerability

[1] https://www.autodesk.com/trust/overview
[2] https://www.fedramp.gov/baselines/

scanning, and remediation, as well as interviews, audits, monthly post-authorization continuous monitoring, and annual assessments. With FedRAMP-authorized cloud solutions, Federal agencies and their contractors can have greater confidence in their data security, and assurance that solutions will be continually updated to meet evolving security standards.

Autodesk Launches FedRAMP-Approved Cloud Solutions for AEC

Autodesk addresses Federal agencies' needs for shared digital tools and FedRAMP-authorized cloud solutions with:

- **Autodesk Docs for Government**, which provides document storage, management, and file sharing; model viewing; and communication among and across teams. With Autodesk Docs, AEC teams can simplify collaboration and data management from design to construction and streamline document review and approval workflows

- **Autodesk BIM Collaborate Pro for Government**, which includes the functionality of Autodesk Docs for Government, as well as powerful co-authoring and design collaboration tools. Revit Cloud Worksharing enables teams to co-author cloud models, centralize all project design data, and improve collaboration. The design collaboration module includes issues tracking, design timelines, and design packages

- **A subset of Autodesk Platform Services APIs** (application programming interfaces), which are included in Autodesk Docs for Government. APIs help users build applications that tap into design and engineering data. For example, APIs can translate different source files (e.g., IFC, DWF, VUE) into SVF/SVF2 format for use in the Autodesk Platform Services Viewer. Users can also incorporate integrations into existing, in-house applications

The new Autodesk for Government offerings, which are FedRAMP-authorized by the General Services Administration (GSA), are listed on the FedRAMP Marketplace at Autodesk for Government. These

FedRAMP Moderate Requirements

The 323 security and compliance controls required for FedRAMP Moderate authorization span:

Access control, awareness and training
Audit and accountability
Security assessment and authorization
Configuration management Contingency planning
Identification and authentication
Incident response
Maintenance
Media protection
Physical and environmental protection
Planning
Personnel security
Risk assessment
System and services acquisition System and communications protection System and information integrity
Supply Chain Risk Management

solutions provide the common, cloud-based data environment that AEC teams working on Federal government projects need, with the core functionality of Autodesk commercial offerings: design coordination, collaboration, project tracking, and file sharing. Data uploaded in the Autodesk for Government offerings is stored on the AWS Cloud.

Now, GSA managers and their contractors can leverage these offerings to support government AEC projects. Other Federal agencies and contractors can also take advantage of these offerings by following the FedRAMP process for reusing authorizations for cloud products.[3]

FedRAMP-Approved Tools Can Transform Public Design and Construction

Traditionally, AEC teams assigned to a building project develop plans independently, often with

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[3] https://www.fedramp.gov/assets/resources/documents/Reusing_Authorizations_for_Cloud_Products_Quick_Guide.pdf

disparate software. Then, they share plans via email, filesharing applications, or paper. Comments, changes, document versions, and approvals are hard to track, and file conversions lead to data loss. This old way of design and construction is time-consuming, error-prone, and expensive.

With the right tools, however, AEC teams supporting Federal agencies can work on a shared, cloud-based platform from the beginning to the end of a project. A common data environment and digital workflows help reduce mistakes and mitigate risks. Changes can be evaluated and information can be shared quickly across teams from multiple locations. Changes and approvals can be tracked centrally. Ultimately, the design and construction process can be transformed from manual to digital, siloed to connected, and bottlenecked to streamlined.

Autodesk for Government Delivers Control, Efficiency, and Insight

With Autodesk for Government, Federal agency managers and their contractors have tools for digitizing the design and construction process that also meet stringent Federal security and compliance requirements. Agencies can expect:

- Data and documents stored in a common, cloud-based platform that is accessible from multiple locations across teams, including agency stakeholders

- Control of data and plans

- Ability to monitor project progress in real time, for improved oversight

- Improved coordination and collaboration across AEC teams, resulting in more accurate plans and fewer cost and time overruns

- Insights to improve future design and development of construction projects, as well as operation of completed projects

Digital project delivery brings a new level of connection, efficiency, and workflow integration to even the largest teams and the most complex building projects.

More about Autodesk for Government

- Autodesk built a standalone, multitenant cloud environment on the AWS Cloud. It requires unique credentials and is not accessible from our commercial offerings

- The environment complies with FIPS 140-2 security requirements for cryptographic modules.

- All government customers use the same data store; they are separated by customer ID

- Underlying infrastructure and third-party service providers used in the environment are also FedRAMP Moderate-authorized

Imagine bigger, collaborate smarter, move faster, and build better with Autodesk for Government.

Learn more at www.autodesk.com/industry/government/autodesk-for-government or **contact us** at www.autodesk.com/campaigns/government-contact-us.

As Autodesk's master government aggregator, DLT has worked in the public sector for 25 years alongside Autodesk authorized resellers to provide comprehensive solutions, product expertise, and procurement services.

To learn more, please visit **www.govdesignhub.com** or contact us at **autodesk@dlt.com**.

Find Autodesk solutions on the FedRAMP Marketplace at Autodesk for Government.

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