

## Secure internal systems and comply with FedRamp requirements when using AWS GovCloud



### Case Study



#### Industry

Collaboration &  
Work Management

#### Protocols

PIV/Smart Card

#### Products

YubiKey 4 FIPS

#### Deployment

Government employees  
and contractors

#### Ecosystem Partner

Anitian

#### Customer Reference

Public

#### Country of Work

USA

#### Start Date of Project

9/27/2018

#### End Date of Project

01/09/2019

### Summary

Smartsheet in partnership with Anitian and Yubico (both [ATO partners](#)) implemented YubiKeys to comply with FedRamp requirements on using approved devices and services as part of their commitment to securing infrastructure and data. YubiKeys are used to provide the highest AAL according to the NIST 800-63-3 standards and are used to safeguard both AWS and internal assets.

### The Challenge

Smartsheet needed to be FedRamp compliant which required securing infrastructure assets along with customer and federal data stored in the AWS cloud. They partnered with Anitian who with the support of Yubico (an AWS ATO partner) implemented YubiKeys as both smart cards as well as FIDO U2F authenticators for the AWS management console.

### The Solution

Yubico is trusted by the world's leading companies to protect employee, customer and partner access to computers, networks and online services. Inventor of the FIDO Universal 2nd Factor (U2F) open authentication standard, and the YubiKey, Yubico is setting the standard for simple, secure login. Supported by all of the top ten Internet brands, hundreds of applications and services, and used and loved by millions of users in more than 160 countries, Yubico and the YubiKey provide ubiquitous security.

Using YubiKeys as smart cards, Yubico helped Smartsheet lock down their infrastructure and provide quick and easy to use, strong multi-factor authentication for both their privileged and standard users with access to internal and AWS hosted resources.

### The Results

- Embraced the framework, principles, and methodology to accelerate the ATO (Authority to Operate) process.
- 60 Days to their full SaaS in a FedRAMP "Ready" state.
- 30 Days for documentation.
- 90 Days to go up for review.

### TCO Analysis

AWS and its partner ecosystem stood out compared to alternative solutions.

### Lessons Learned

Factor in additional time when planning to integrate specific or custom applications with Anitian. There may be delays if you insist on using tools that are not part of the AWS/Anitian recommended path.

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### Benefits

- FIPS approved YubiKeys
- Supports FedRAMP
- Simplifies authentication to multiple applications
- Provides convenience and flexible authentication
- Minimal use training required
- Easy to deploy

### About Smartsheet:

Smartsheet, founded in 2005, provides the best way to plan, capture, track, automate, and report on work at scale, enabling teams to move from idea to impact—fast.

Over 78,000 brands, and millions of information workers, trust Smartsheet to help them accelerate business execution and address the volume and velocity of today's collaborative work.

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**About Yubico** Yubico sets new global standards for easy and secure access to computers, servers, and Internet accounts. Founded in 2007, Yubico is privately held with offices in Australia, Germany, Singapore, Sweden, UK, and USA. Learn why nine of the top 10 internet brands and millions of users in more than 160 countries use our technology at [www.yubico.com](http://www.yubico.com).

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