# Gov/Ready®

Making Compliance Easier gregelin@govready.com

What does a working OSCAL Component Library Really Look Like?

NIST 2nd OSCAL Workshop, Feb 2021

## **GovReady Open Source GRC**

#### **User Focus** → **User Friendly**

Step-by-step guidance regardless of compliance expertise

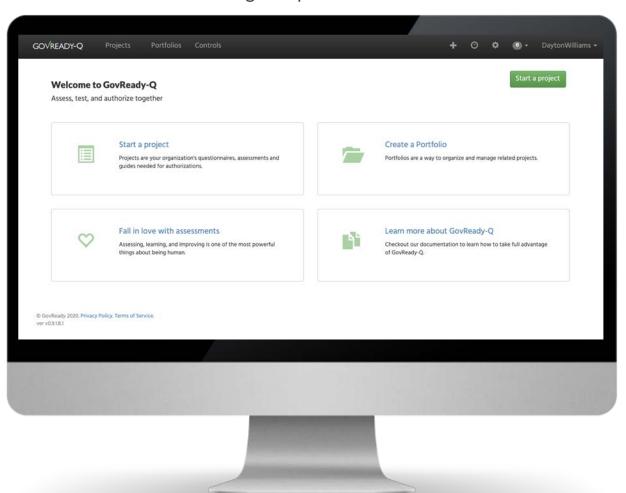


### API for Continuous Monitoring

Dynamically push CI/CD scans, ports & protocols, and more into SSP



#### Making Compliance Easier



#### **Pre-Assessment**

Give Devs and ISSO's a way to secure themselves early in the SDLC



#### **Secure Platform**

- Supports database encryption
- Supports FIPS 140-2 certified systems
- HTTPS TLS encrypted sessions
- Single Sign On (Proxy Authentication)
- Granular Access Control



## Federal Funded R&D, Pilots

DHS S&T Research & Development contract and pilot funding

GovReady started with the idea that compliance is not security and you shouldn't have to read hundreds of pages to get an ATO. We developed for the compliance-as-code revolution that is now arriving.







#### **R&D Funding**

- DHS S&T funds R&D
- User Centered Research
- Early prototypes

#### **Pilot funding**

- DHS S&T funds Pilots
- DHS Digital service funds prototyping
- B&D Consulting (for Navy) Pilot
- DOD Contractor uses for 800-171
- Fortune 50 Healthcare Co testing

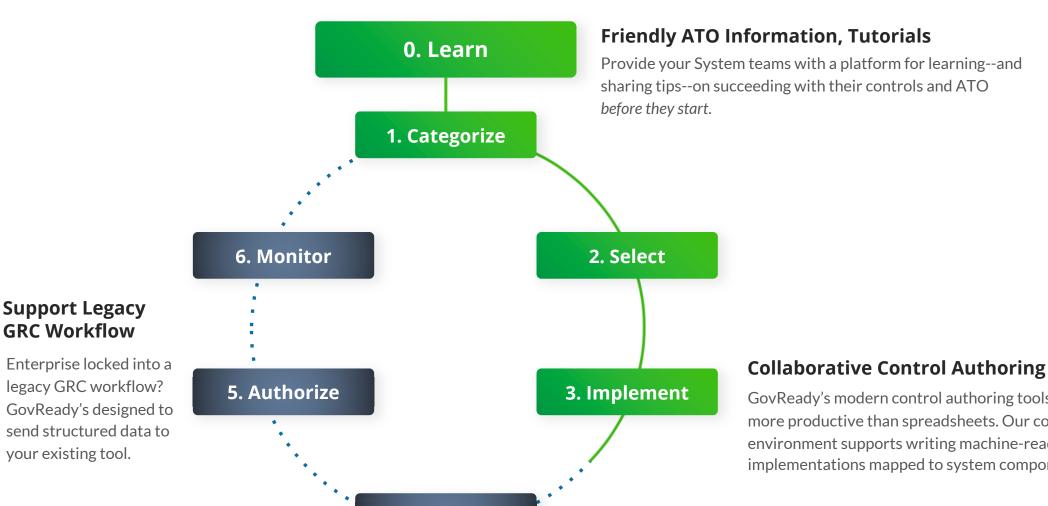
#### **Early Adopters**

- DHS CBP Pilot > Adoption Decision
- Fortune 50 Healthcare Co adopts for internal cyber assessments
- Accepted into DCode Accelerator
- RMF 2.0 Data Automation SME support for **USDA CISO**

#### **Enterprise Deployments**

- Deployment in DHS CBP Cloud
- GovReady ATO (in progress)
- Air Force SBIR Awardee (800-171)
- Commercial IT Managed Services (PCI) 3
- Wazuh Endpoint monitoring integration

## GovReady's Special Focus on Steps 1-3 of the RMF



4. Assess

GovReady's modern control authoring tools are easier to use and more productive than spreadsheets. Our collaborative environment supports writing machine-readable standardized implementations mapped to system components for easier reuse.



machine-readable

formats.

## OSCAL-Support Compliance as Code

GovReady is built around next generation, machine-readable compliance content format NIST OSCAL.

#### **OSCAL Control Catalogue**

GovReady controls catalogs use NIST OSCAL format under the hood

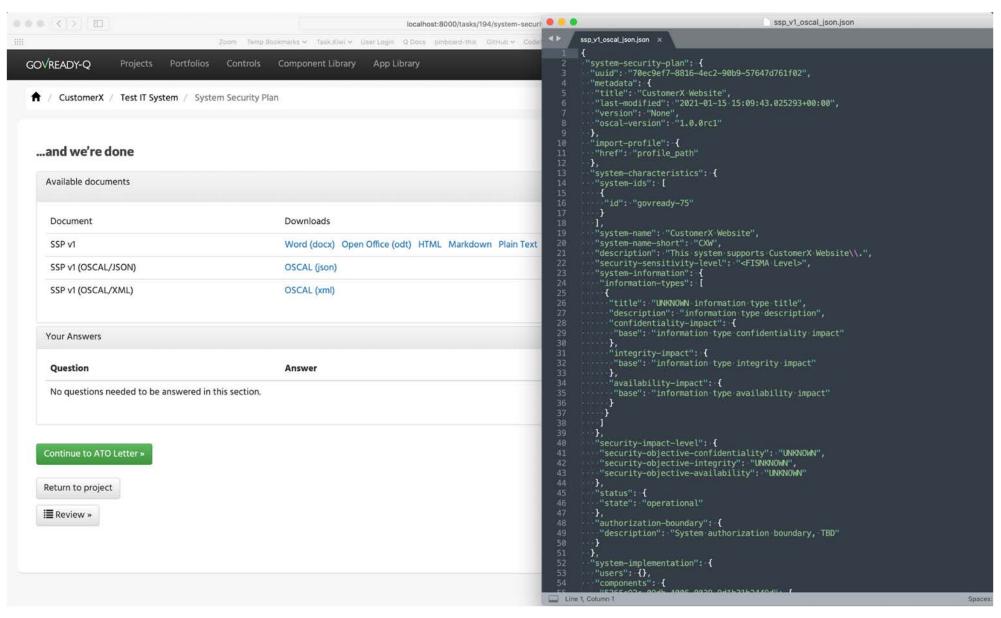
#### **Support for Compliance as Code**

GovReady control content editing is designed to map control content to system elements and produce machine-readable OSCAL component information.

#### **Compliance as Code Pioneer**

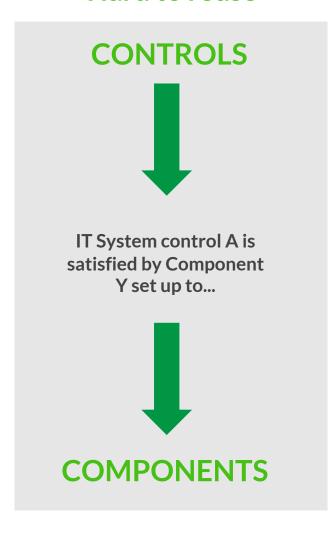
GovReady has been involved with Compliance as Code initiatives from the beginning.

## **Download SSP OSCAL JSON**

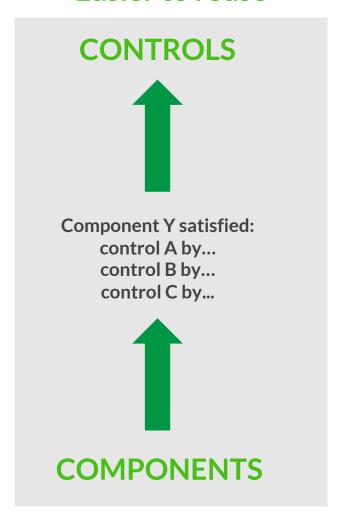


## **Impact of Component Library**

Traditional Top Down Hard to reuse



**CAC Bottom Up Easier to reuse** 



#### **Component Definition**

#### Metadata

Title, Version, Date, Document Labels, Revision History, Prepared By

#### Import Component Definition

URI pointing to other component definition files

#### Component

Individual component information, and information about controls the component is able to satisfy

#### Capability

A grouping of related components into a larger capability

#### **Back Matter**

Citations and External Links Attachments and Embedded Images

## What Features Make a Component Library

Essential

Better

Best

**Distinct Library** 

**View Components** 

**Read Component** 

**Update Component** 

**Select Components** 

**Delete Component** 

**Compare (Diff) Components** 

**Export Component** 

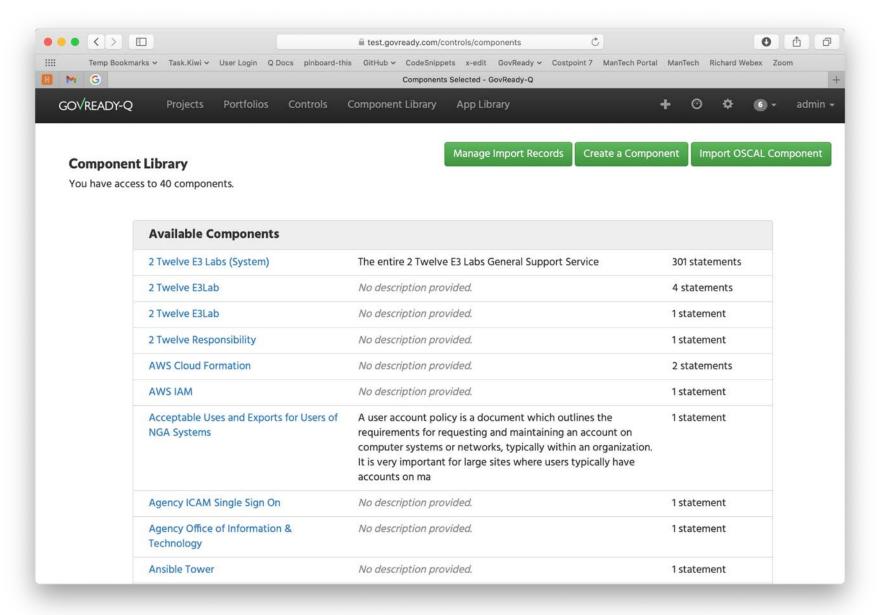
Import Component(s)

Manage "Certification"

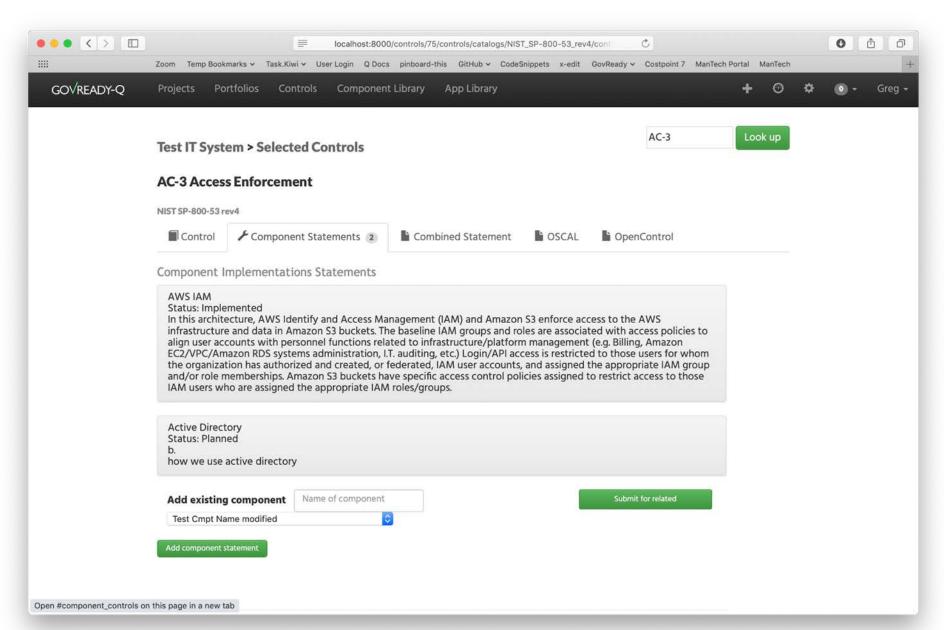
Manage Imports

**Import in Projects** 

## **Component Library**



## **Component Control Authoring**





## DEMO

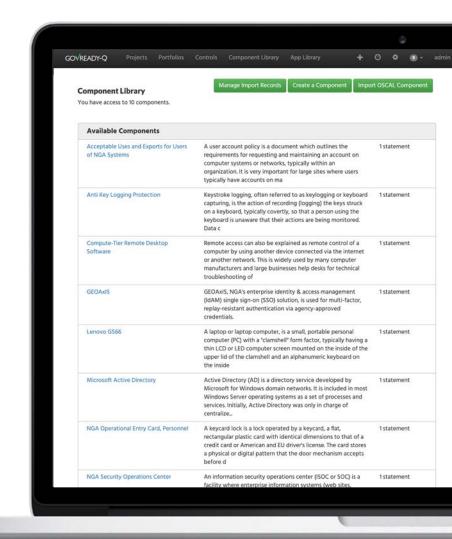


Demo of Making an SSP

### **Links Open Source OSCAL Tools**



- https://govready.comWebsite
- https://github.com/GovReady/govready-q
  GovReady GRC software
- https://github.com/GovReady/CUB
  CAC Utility Belt scripts to generate OSCAL components from delimited files NEW!
- https://github.com/GovReady/oscal-lifecycle-examples
  Community OSCAL examples NEW!



Contact us for additional information on this contract and GovReady Services.



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### **Deployed Features to accelerate RMF Steps 1 - 3**



#### **Next Gen Collaborative Questionnaires**

- TurboTax-style guided questions
- Imputed questions/answers
- Discuss answers (with attachments)
- Assign questions to users
- 17 question types (datagrid, attachments)
- Dynamic question text (full HTML)
- Portable, YAML-based questionnaires
- In-line review/approve workflow feature
- Dynamic drop-in sub-questionnaires
- Questionnaire authoring tool
- Sample content for "Plan" documents

#### **Compliance-as-Code Control Statement Editor**

- Write narratives by component to standardize & reuse content
- View/edit by control or component
- Inherited Common Controls
- Generate OSCAL, OpenControl machinereadable control statements

#### **Project Management**

Portfolios for projects

#### **Output Templates**

- Library of artifact templates
- Add custom artifact templates
- Auto-populated SSP
- Auto-populated content links back to questions for easy editing
- Multiple Templates per questionnaire
- Downloadable as Word, Markdown, Text

#### Simple, RESTful API

- Integrate content from scans
- Populate evidence from systems
- Exchange info with other GRC, tools

#### **Export to spreadsheets**

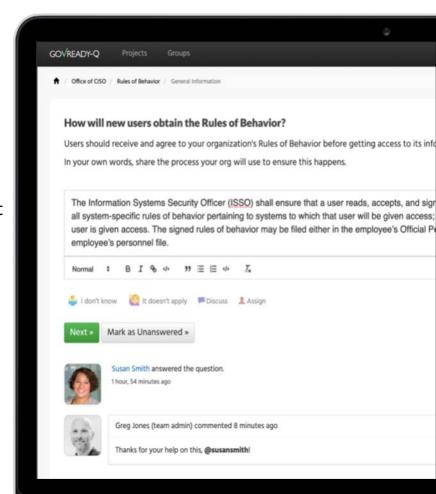
Generate export data for legacy GRC

#### **Enterprise-Ready**

- Single Sign On
- Role-based access control
- Container Deployment

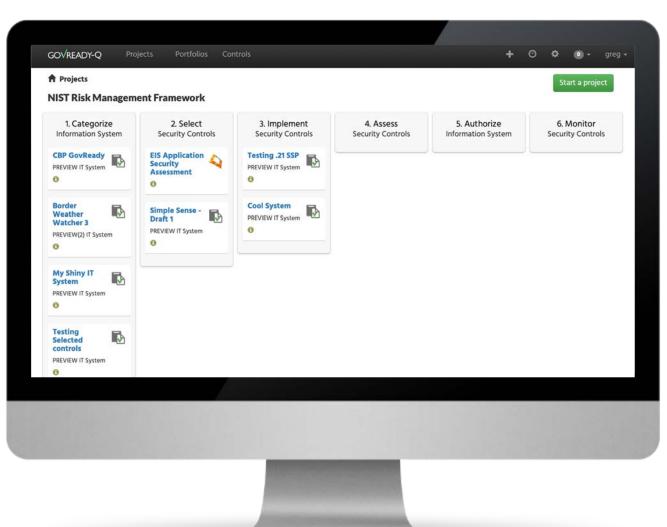
#### **Customizable User Interface**

- Completely customizable UI to support organization look and feel
- Customize / Replace pages
- Aria-compatible components for 508 accessibility compliance



## **EXTRA SLIDES**

## **Understanding the RMF Modern UI for Agile Processes**



Stages of NIST RMF

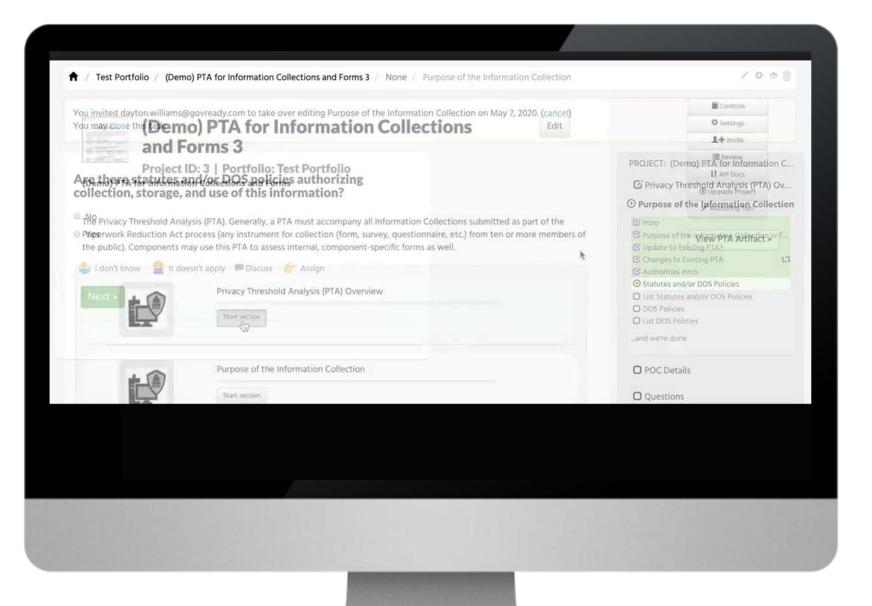
Lifecycle dashboard displays each project's progress through the steps of the NIST RMF.

Security Control Status

Control implementation now tracked directly in database instead of questionnaires enabling richer metadata management including control status.

03 Next Tasks

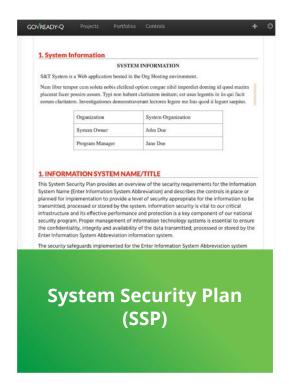
Project display redesigned for better linear representation of modules and to dynamically show and hide modules to make next tasks clearer.



### **GovReady Collaboration**









## **Support Templates, Guides**

The GovReady application serves to streamline the Authority to Operate (ATO) process by providing a secure environment where teams can collaborate and complete authorization packages across an organization. Team members using GovReady have access to a suite of templates and questionnaires that serve to meet the requirements associated with achieving an ATO quickly.