

Sprint 2 Plan - [USSF] GRC Control Kubernetes

Team Roles

- **Scrum Master (Iteration 2):** Medha Kaushika Podipireddi
 - **Product Owner (Iteration 2):** Sahil Fayaz
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User Stories

Feature: Derive & Show Inferences from GRC Report

- **As a user** of the application
- **So that** I need to be able to view the security analysis of the run-time object on which the controls are getting evaluated and decide whether to go ahead with the deployment of the run-time object securely
- **I want** a page where I can see the details of the different vulnerabilities and their severity along with the details of the vulnerability.

Feature: Security Due Diligence of Trivy

- **As a stakeholder** of the application
- **So that** I can ensure the third-party library Trivy does not have any security vulnerabilities
- **I want** a thorough evaluation of Trivy including an assessment of potential vulnerabilities and risks

Feature: Pagination in Homepage

- **As a user** of the application
- **So that** I can easily navigate through large number of images in the homepage
- **I want** the homepage to include pagination allowing me to view images in smaller and manageable sections

Feature: Enhancing UI of the application

- **As a user** of the application
- **So that** I have a better experience while using the application
- **I want** all the pages/views to be visually consistent with all logos and stylings

Feature: Rerun scan for the image

- **As a user** of the application
- **So that** I can ensure the latest security vulnerabilities are detected for that particular image
- **I want** the option to rerun the scan for the selected image and view updated scan results.

Sprint Backlog

Sprint Goal

With the prototype approved by the client, in Sprint 2, we will focus on modifying the UI to enhance user experience. This includes the display of inferences from the GRC reports helping users to make decisions about deployment, visual consistency across all views, and adding pagination to the homepage for easier navigation. Additionally, we will be doing security due diligence for the third-party library Trivy and provide functionality to rerun scans for images allowing users to stay updated on vulnerabilities.

Stories Pulled into Sprint

Story	Story Points	Sub Tasks	Sub Task Points	Assigned To
Derive & Show Inferences from the GRC Report	6	Enhanced Vulnerability Report Page with Filters and Improved Layout	3	Aditya
		Vulnerability Analysis and Deployment Decision with Trivy-NIST Mapping	3	Shravan

Security Due Diligence of Trivy	2			Maitreya
Pagination in Homepage	3	Implement the pagination controls in the view. Show the paginated images.	2 1	Duy
Enhancing the UI of the application	3			Vasudha
Rerun scan for the image	1			Maitreya

Links to Key Resources

- **GitHub Repo:** [USSF-CSCE606](#)
 - **Project Management Page:** [USSF-CSCE606-Project-Management](#)
 - **Slack Workspace:** [Fall 2024 CSCE606: USSF GRC Control Kubernetes](#)
 - **Deployed App URL:** [USSF-GRC](#)
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Grading Approach (if applicable)

Apart from the SaaS application UI and backend, we would be exploring third-party libraries for conducting the GRC scan against a Docker Image.