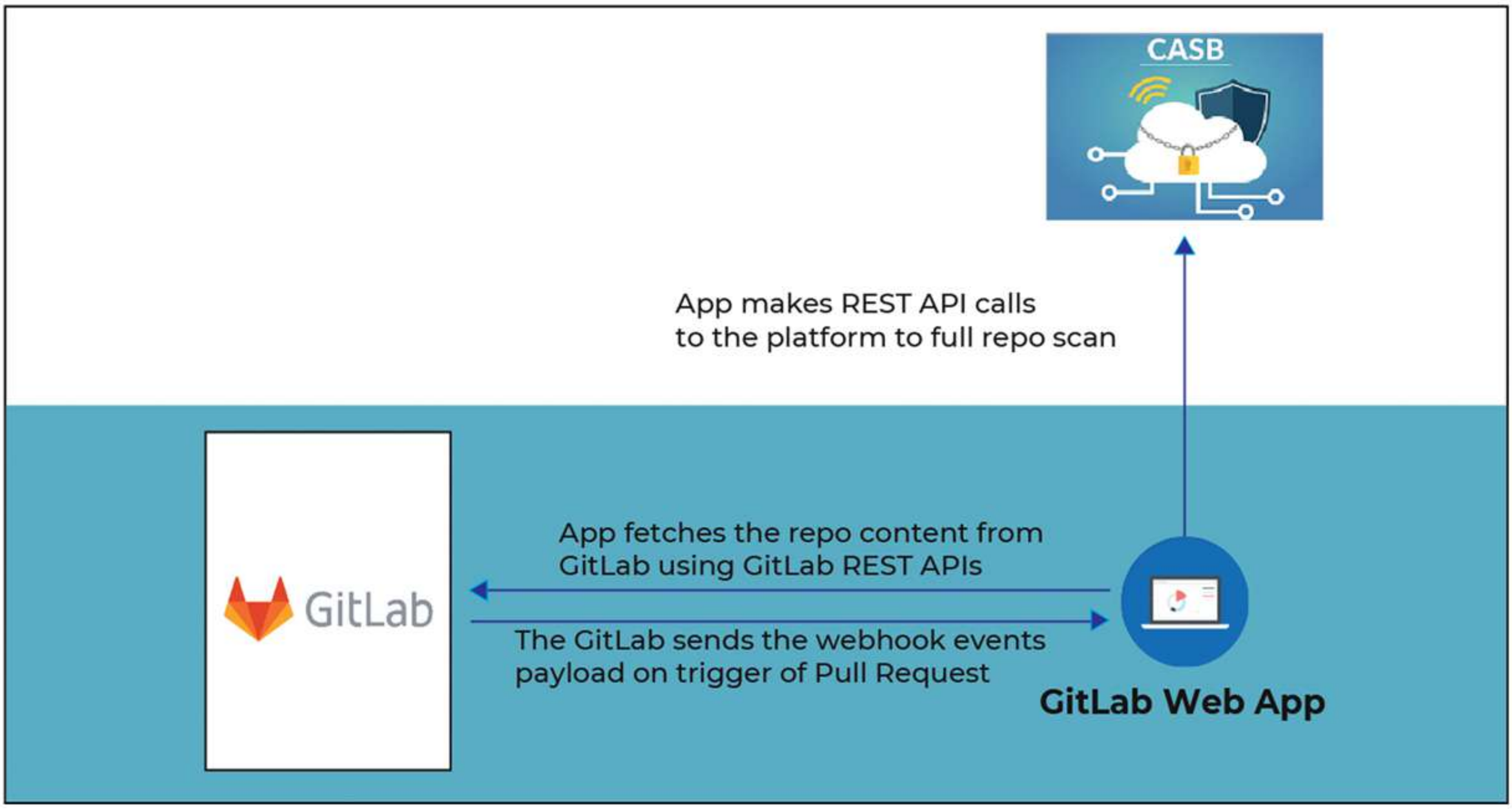
CASE STUDY

GitLab Extension for leading CASB product


CASB
App makes REST API calls
to the platform to full repo scan
GitLab
App fetches the repo content from
GitLab using GitLab REST APIs
The GitLab sends the webhook events
payload on trigger of Pull Request
GitLab Web App

Customer

Customer is a leading CASB (Cloud Access Security Broker) Monitoring solution provider.

Requirement

Client requested for the development of a GitLab extension that would scan IaC (Infrastructure as code) templates against the security policies defined in the platform when one raises a Pull request

Technology Solution

- Sacumen developed the GitLab extension that scan the IaC templates whenever a Pull request was raised. Purpose is to identify the insecure configurations in common Infrastructure-as-Code (IaC) templates – for example, AWS Cloud Formation Templates, Terraform templates, Kubernetes App Deployment YAML files
- User needs to set environment variables in their GitLab project settings. It inclutdes details such as app url, access key, secret key, failure conditions etc. User needs to configure the webhook in GitLab to send the events payload on trigger of Pull request.
- The app was written in Java language and hosted as web app to process Webhook events sent by GitLab related to Pull request
- App made required API calls to GitLab to fetch the repo and environment variables. App made REST API calls to the platform for full repo scan
- User has ability to configure the criteria that defines whether or not allow the merge for the pull request
- Scan results are displayed to User. Issues were created with scan results based on customer defined criteria

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