**Apigee CICD**

Block Diagram for CICD Process

A screenshot of a cell phone

Description automatically generated

**Apigee API proxy Stable Version: -** Get the stable version before start CICD using below script

stable\_revision = sh(script: 'curl -X GET -u username:password "https://api.enterprise.apigee.com/v1/o/{apigee-org-name}/e/{apigee-environment}/apis/Common/deployments" | jq -r ".revision[0].name"', returnStdout: true).trim()

}

**ApigeeLint**: - Static code analysis for Apigee proxy and sharedflow bundles to encourage API developers to use best practices and avoid anti-patterns.

Installation

$ npm install -g apigeelint

$ apigeelint -h

Static code analysis test

$ apigeelint -x {path-to-external-plugin-to-exclude} -e {exclude-warning-ruleId} -s {path-to-apiproxy-directory} -f {output-file}

$ apigeelint -x ./externalPlugins -e PO013 -s Common/apiproxy/ -f table.js

**Maven Build and Deploy**: - Maven plugin to create, manage and deploy Apigee config like Cache, KVM, Target Server, Resource Files, API Products, Developers, Developer Apps, Flow hooks, Extensions, Mask Config, Custom Roles and API Spec.

Maven Command

$ mvn -f {path-pom-file} -P{profile} -Dusername={apigee-username} -Dpassword={apigee-password} -Dapigee.org={apigee-organization} -Dapigee.config.options={options}

$ mvn -f /nseindia/gateway/common/pom.xml -Pdev [-Dusername=rajasekhar@wipro.com](mailto:-Dusername=rajasekhar@wipro.com) -Dpassword=xxxxxx -Dapigee.org=nse-non-prod -Dapigee.config.options=update

**Apickli**: - It is a REST API integration testing framework based on cucumber.js. cucumber is JavaScript & Node.js implementation of BDD test framework

$ cd ./common/nseindia/gateway/common/test/integration

$ npm install

$ npm test