Corppass Integration
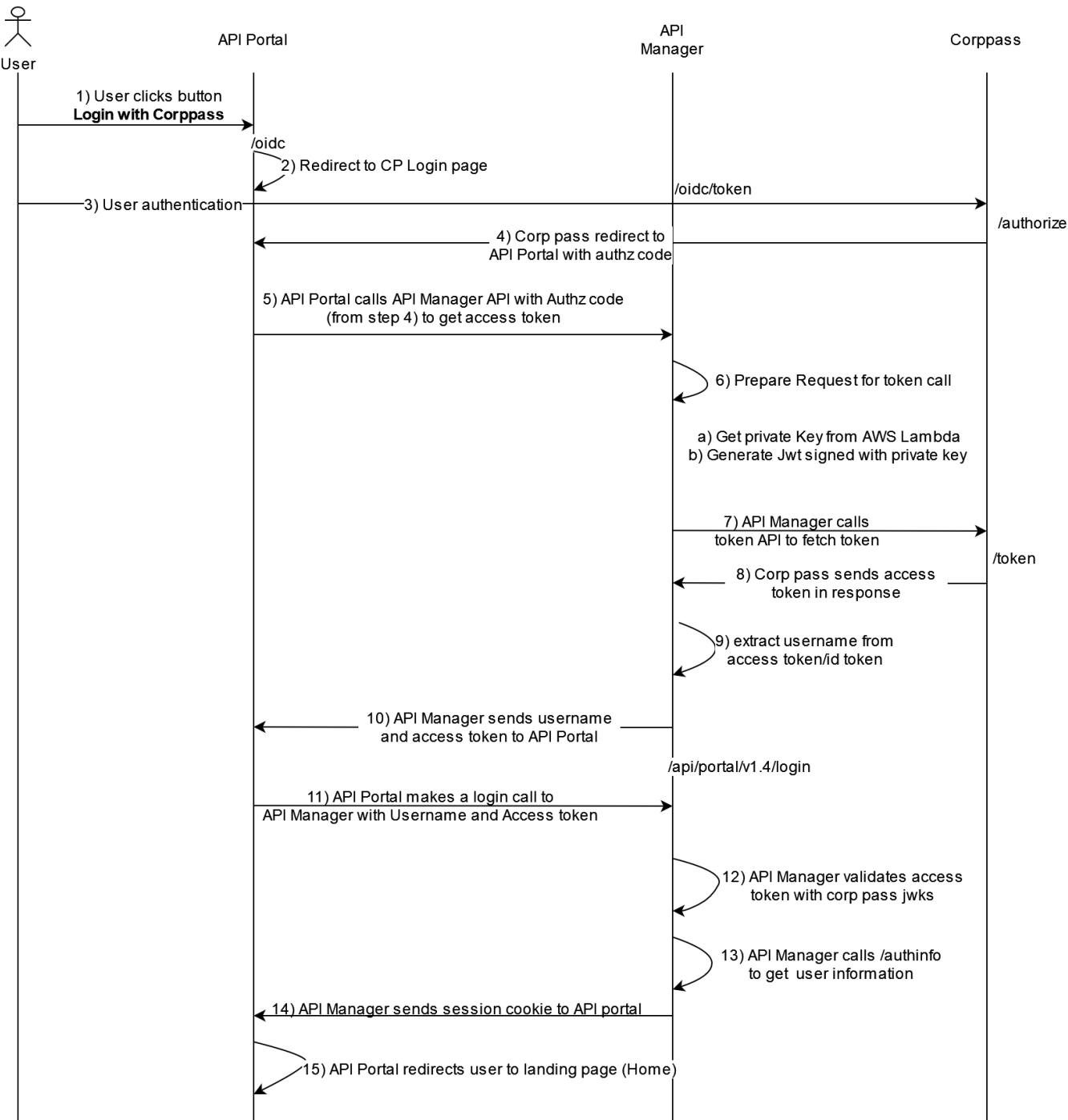
Introduction

This document describes how to integrate Login with Corppass from API Portal

User | API Portal | API Manager | Corppass

1) User clicks button
Login with Corppass

/oidc
2) Redirect to CP Login page

/oidc/token

3) User authentication

/authorize

4) Corp pass redirect to
API Portal with authz code

5) API Portal calls API Manager API with Authz code
(from step 4) to get access token

6) Prepare Request for token call

a) Get private Key from AWS Lambda
b) Generate Jwt signed with private key

7) API Manager calls
token API to fetch token

/token

8) Corp pass sends access
token in response

9) extract username from
access token/id token

10) API Manager sends username
and access token to API Portal

/api/portal/v1.4/login

11) API Portal makes a login call to
API Manager with Username and Access token

12) API Manager validates access
token with corp pass jwks

13) API Manager calls /authinfo
to get user information

14) API Manager sends session cookie to API portal

15) API Portal redirects user to landing page (Home)

API Portal

Introduction

This Section explains changes done at API Portal to incorporate Corppass integration.

File Changes

1. /opt/axway/apiportal/htdoc/templates/apex/html/com_users/login/default.php
2. /opt/axway/apiportal/htdoc/components/com_users/src/Controller/UserController.php

Create 'Login With Corppass' Menuitem

Menu Item

1. Go to Menus > Main Menu
2. Click on New button to create new Menu Item
3. Add Menu Title (for ex 'Login with corppass") and alias (ex. oidc)
4. Select Menu Item Type as Login Form (Users > Login Form)
5. Go to Link Type and Set No to below Items
   a. Add Menu Title
   b. Display in Menu
6. Click on save.

Helm Chart values

Set below variable in Helm chart for traffic

CP_OPENID_WELLKNOWN_URL : https://stg-id.corppass.gov.sg/.well-known/openid-configuration

CP_JWT_CLIENT_ID : ep7t879vEaJuDsSpTXTG

CP_JWT_TOKEN_EXP : 120

CP_JWT_REDIRECT_URI : https://www-dev.api.developer.tech.gov.sg/oidc

MANAGER_SA_USERNAME : <service API Admin username>

MANAGER_SA_PASSWORD : <service API Admin password>

API Manager

Integration Workflow

1. Open instance fed file in policy studio project.
2. Import corppass policy file in policy studio.
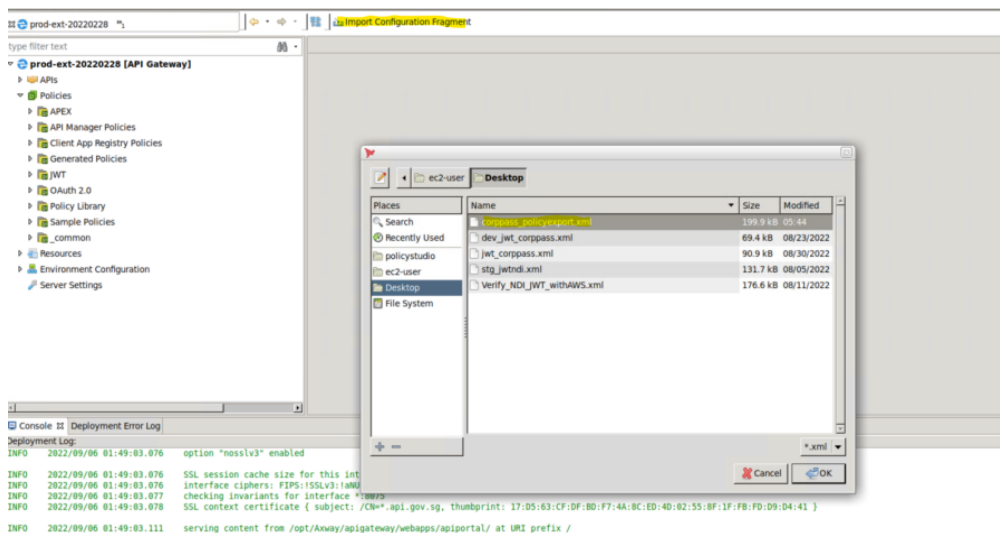
1. Expose the Sign_JWT_Corppass Policy in Default Service Listener.

- ▽ Sample Policies
  - ▷ API Management Alerts
  - ▽ API Management Identity Provider
    - ▷ Account Creation Failure
    - ▷ Account Creation Success
    - ▷ Active Directory
    - ▽ Corppass
      - ▷ Fetch Corppass openid details
      - ▷ GetCorppassJWKS
      - ▷ LoginWithCorppass
      - ▷ Retrieve Account Information
      - ▷ Sign_JWT_Corppass
      - ▷ decrypt_idtoken
      - ▷ validate_token
    - ▷ LDAP

- ▽ Environment Configuration
  - ▽ Listeners
    - ▽ API Gateway
      - ▷ API Manager Traffic
      - ▷ API Portal
      - ▽ Default Services
        - ▷ Ports
        - Paths
        - Virtual Hosts
    - ▷ OAuth 2.0 Services
    - ▷ Sample Services
    - OAuth Server '${env.OAUTH.SERVER} : ${env.PORT.O
    - StockQuote Host 'stockquote.com : 80'
  - ▷ External Connections
  - ▷ Libraries
  - ▷ Certificates and Keys

Resolvers

Filter type filter text

Resolver	Type	HTTP Method	Policy
▽ Paths			
/	Path	*	Return HTTP Error 403: Access Denied (Forbidden)
/corppass/token	Path	*	Sign_JWT_Corppass
/favicon.ico	Static File	GET	
/healthcheck	Path	*	Health Check
/healthchecklb	Path	*	Health Check LB

1. Enable External Identity provider under API Manager Settings

Helm Chart Values

<TBD>