Practical Exercise: Analyze Runtime Statistics

Training Objective

Learn how to set up WSO2 API Manager Cloud Analytics to collect and analyze runtime statistics from the API Manager.

Business Scenario

PizzaShack Limited needs to monitor the use of their online portal and want to generate statistics about how many times consumers access the API.

High-Level Steps

- Configure WSO2 API Manager Gateway
- View published statistics

Prerequisites

Follow guidelines in [documentation](#) to register for cloud analytics. Register your on-premise environment and obtain an on-prem key.

Detailed Instructions

Configure WSO2 API Manager Gateway

1. Open the <API-M_HOME>/repository/conf/deployment.toml file and find the following section. Replace the auth_token with the on-prem key obtained from the prerequisites.

   ```
   [apim.analytics]
   enable = true
   config_endpoint = "https://analytics-event-auth.choreo.dev/auth/v1"
   auth_token = "<use token that you generate>"
   ```

2. Start the API Manager server and invoke APIs.

   Navigate to the <API-M_HOME>/bin directory in your console and execute one of the following scripts based on your OS.

   On Windows: api-manager.bat --run

   On Linux/Mac OS: sh api-manager.sh

   45e64bf0-f80a-420c-bc98-e9d26638c5b3

View Published Statistics

Analytics portal now allows you to log in via choreo IDP. If you already sign up for the choreo staging environment the same way you can log in to the analytics portal with a selected authentication provider(GitHub or Gmail). Following are URLs to access the respective pages. Refer document for more information.

- Overview page
  https://analytics.st.choreo.dev/overview
- Traffic page
  https://analytics.st.choreo.dev/traffic
- Errors page
  https://analytics.st.choreo.dev/errors
- Latency page
  https://analytics.st.choreo.dev/latency
- Cache page
  https://analytics.st.choreo.dev/cache
- Devices page
  https://analytics.st.choreo.dev/devices
- Geo Map page
  https://analytics.st.choreo.dev/geo-map
- Reports page
  https://analytics.st.choreo.dev/reports
- Alerts page
  https://analytics.st.choreo.dev/alerts
- Alert configuration page
  https://analytics.st.choreo.dev/settings/alertConfiguration

Expected Outcome

As a result of this exercise, events are generated based on the API invocations and stored in the RDBMS tables shared with the API Manager and API Manager Analytics server.