

Practical Exercise: Analyze Runtime Statistics

Training Objective

Learn how to set up WSO2 API Manager Analytics server 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
- View published statistics

Prerequisites

Make sure both the binaries (unzipped API-M pack and unzipped Analytics pack) are inside the same directory. Because the default configurations such as database connection urls etc are configured assuming that both the packs are inside the same folder.

If not perform the configurations described in [documentation](#).

Detailed Instructions

Configure WSO2 API Manager

1. Open the <API-M_HOME>/repository/conf/deployment.toml file and find the following section and uncomment.

```
[apim.analytics]
enable = true
```

2. Start the Worker profile of the analytics server.

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

On Windows: worker.bat --run

On Linux/Mac OS: `sh worker.sh`

3. Start the API Manager server.

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

On Windows: `wso2server.bat --run`

On Linux/Mac OS: `sh wso2server.sh`

4. Start the Dashboard profile of the analytics server.

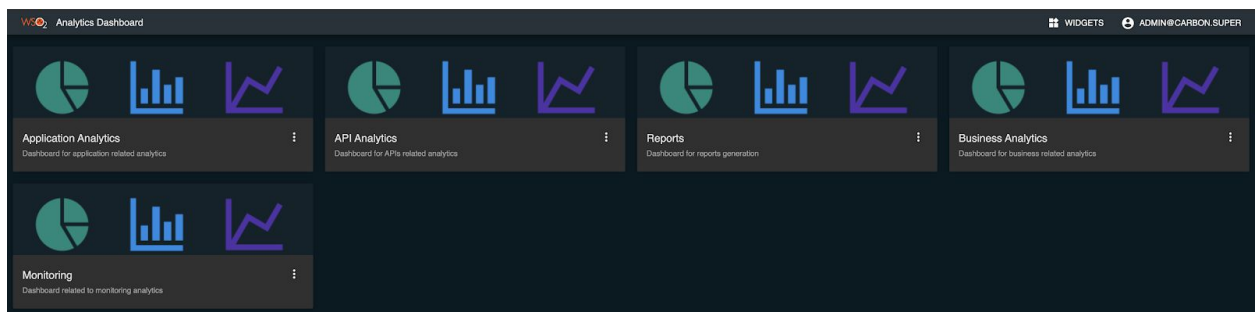
Navigate to the `<API-M_ANALYTICS_HOME>/bin` directory in your console and execute one of the following scripts based on your OS.

- On Windows: `dashboard.bat --run`
- On Linux/Mac OS: `sh dashboard.sh`

View Published Statistics

1. Invoke the API.
2. Log in to the Analytics Dashboard.

E.g., <https://localhost:9643/analytics-dashboard/>



3. Click on any of the preferred dashboards to view statistics based on the logged in persona.

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.