

# Practical Exercise: Managing Alerts with Real-Time Analytics

### Training Objective

Learn how to generate alerts for a scenario when the tier limit is hit frequently.

#### **Business Scenario**

PizzaShack Limited needs to generate alerts if users exceed their tier limits frequently.

### High-Level Steps

- Generate and view alerts
- Configure alert generation related parameters

#### Generate Alerts

**Note:** API Manager and API Manager Analytics must be configured for analytics (This has been covered in the previous exercise.)

 Enable alerts in the <APIM\_ANALYTICS\_WORKER\_HOME>/conf/worker/deployment.yaml and restart the worker node.

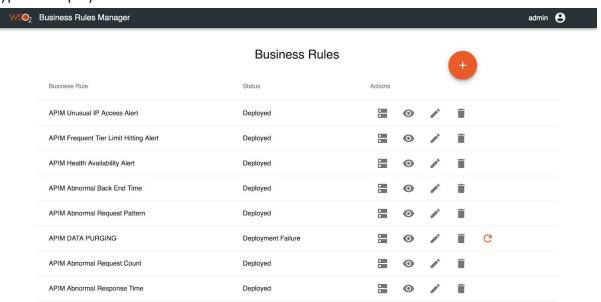
```
analytics.solutions:
 APIM-alerts.enabled: true
```

- Create a subscriber level throttling tier with a small number of requests per minute. E.g.,
  requests per minute. (Refer <u>documentation</u>)
- 3. Log in to the API Publisher.
- 4. Click on the PizzaShack API and click **Subscriptions** tab.
- 5. Apply the new business plan and click **Save** and then Publish the API if not already.
- 6. Login to API Devportal and select the PizzaShack API.
- 7. Subscribe to an application using the new tier.
- 8. Invoke the API rapidly till it throttles out. After 2 requests, you should get a throttled-out message. Keep on sending requests (more than 10) to generate an alert (by default an alert is generated when there are 10 alerts more than the limit).
- 9. Log into the analytics-dashboards app ( <a href="https://localhost:9643/analytics-dashboard/">https://localhost:9643/analytics-dashboard/</a>) and go to Alerts page to see the alert being generated.

## Configure Alert Generation Related Parameters



- 1. Login to the Business Rules appllication (e.g., <a href="https://localhost:9643/business-rules">https://localhost:9643/business-rules</a>).
- 2. In the **Business Rules Manager**, the following kind of configuration page for all the alert types is displayed.



3. To edit parameters related to the frequent tier limit hitting alert click **Edit** in the **FrequentTierLimitHitting** section.

## **Expected Outcome**

As a result of this exercise, Throttled out events are generated based on the API invocations and once the pre-defined tier crossing limit is exceeded, an alert is generated.