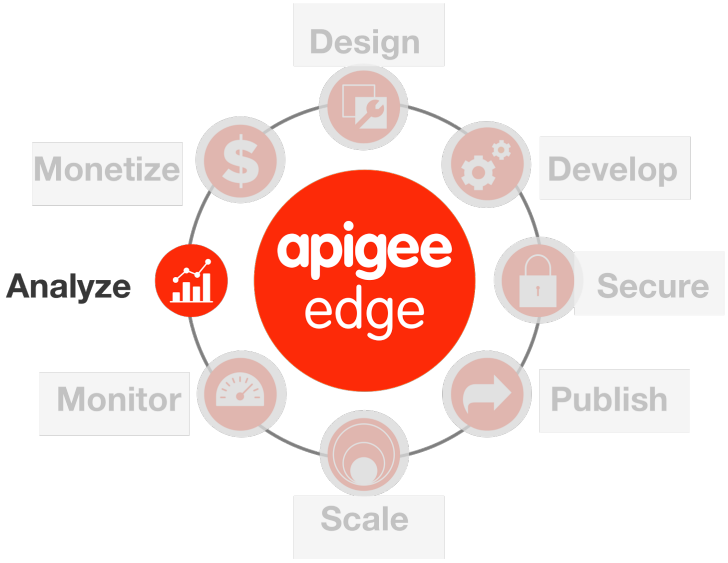
Lab 4 - Create Custom Reports

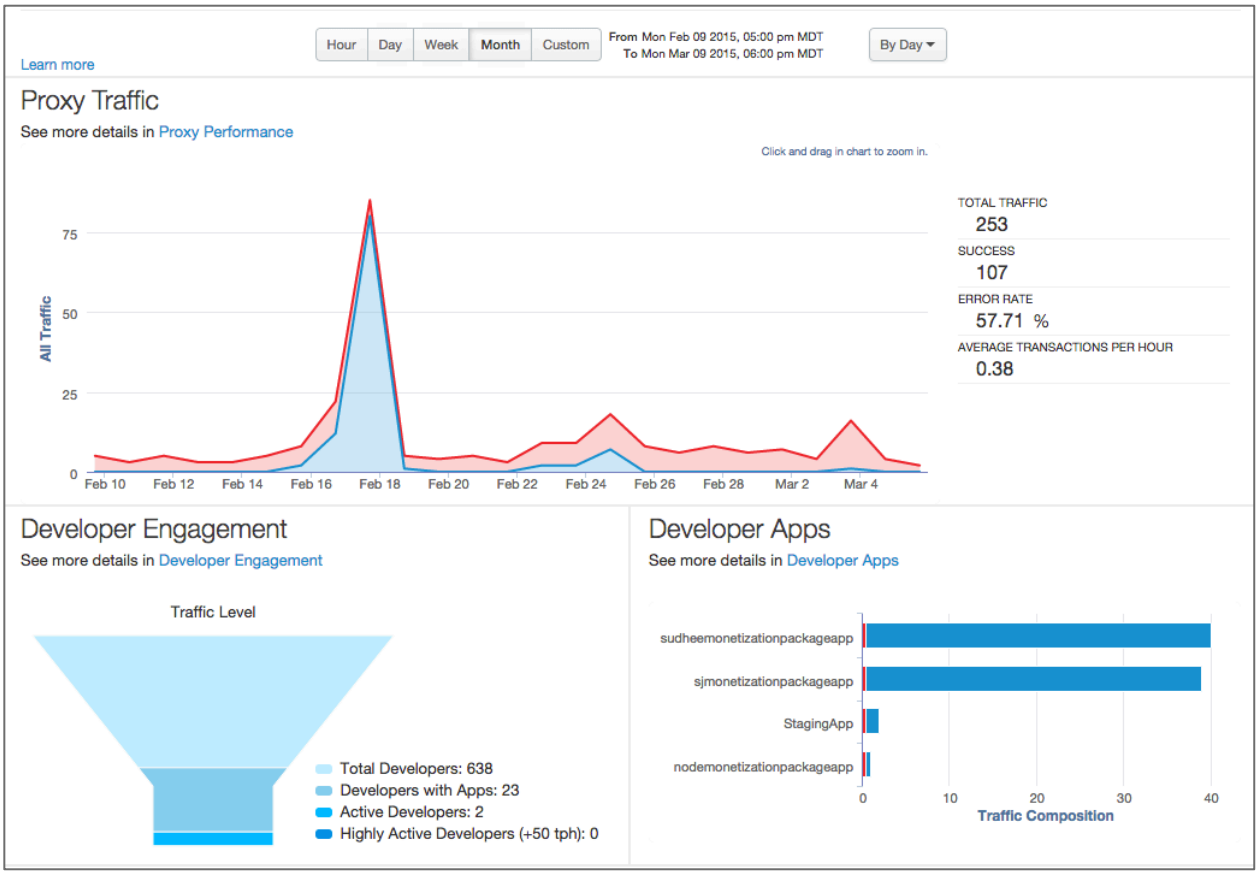


Overview
Let's say your API has gained wide adoption. It's popular. You have attracted a number of talented, creative app **developers** and people are downloading and installing their apps. Obviously, the API team is very interested in how the API is performing, how it's being used, and how to plan for improvements. Apigee Edge Analytics Services collects and analyzes a wealth of information that flows through APIs. This information is gathered, analyzed, and provided to you immediately, in real time. In this lab we will see how you can extend the Edge analytics services by creating Custom reports.

Dashboard
The Apigee Edge dashboard is the first thing you see when you log in to Edge. It gives you a quick overall view of your API program -- patterns for API traffic, developer engagement, and developer apps. And, you can drill in on each chart for a more detailed view. This dashboard has three charts:

- Proxy Traffic -- Plots overall traffic for all of the APIs in an organization. See at a glance the error rate as a percentage of total traffic.
- Developer Engagement -- Gives a quick sense of how developers are engaged with your APIs.
- Developer Apps -- Breaks down API traffic by developer app. Shows you which apps are receiving the most traffic.

  See more details on http://docs.apigee.com/analytics-services/content/analytics-dashboards



Custom Reports

There are several Out-of-the-box, “Standard” reports that are automatically provided for every Edge organization. They track several critical operational metrics, such as proxy response time, target response time, cache performance, error rates, and others. An API Publisher can create custom reports to augment the standard reports. By adding custom reports, you can create a set of charts that provide insight into the exact aspects of your API program that you wish to analyze. See more details on http://docs.apigee.com/analytics-services/content/create-custom-reports

Objectives

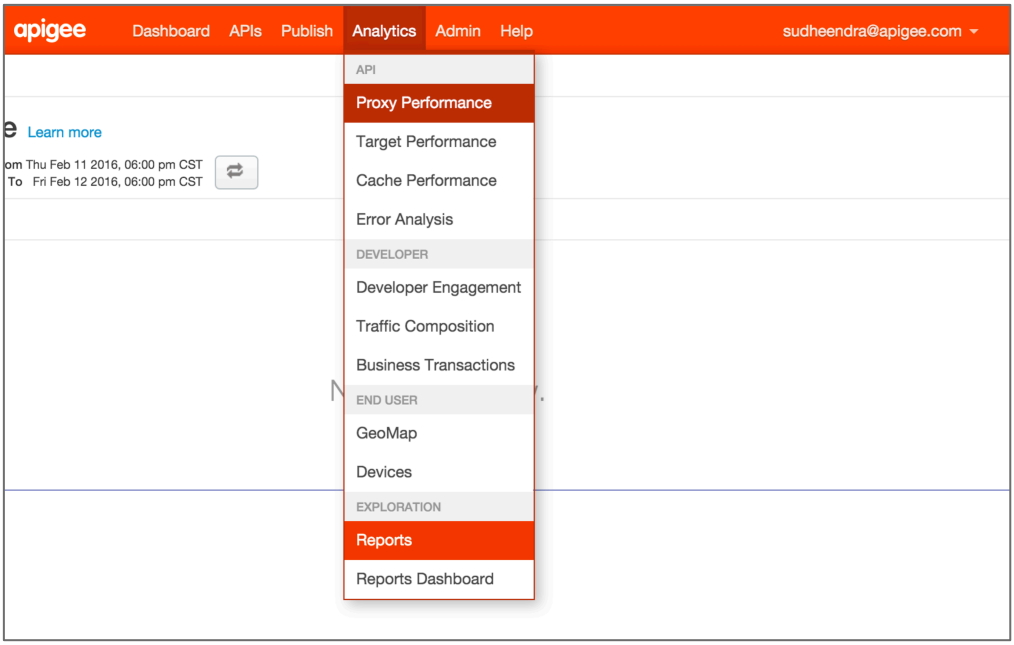
The objective of this lesson is to get you familiar with creating custom reports in Edge.

Prerequisites

- Lab 3 is completed.

Estimated Time: 15 mins

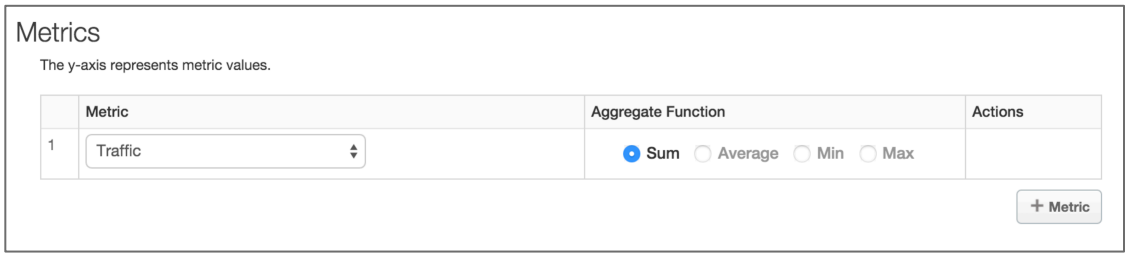
1. Login to the Apigee Edge Management UI. On the top menu, click on the Analytics item and then click on “Reports”. When on that page click on the '**+ Custom Report**' button on the top right.



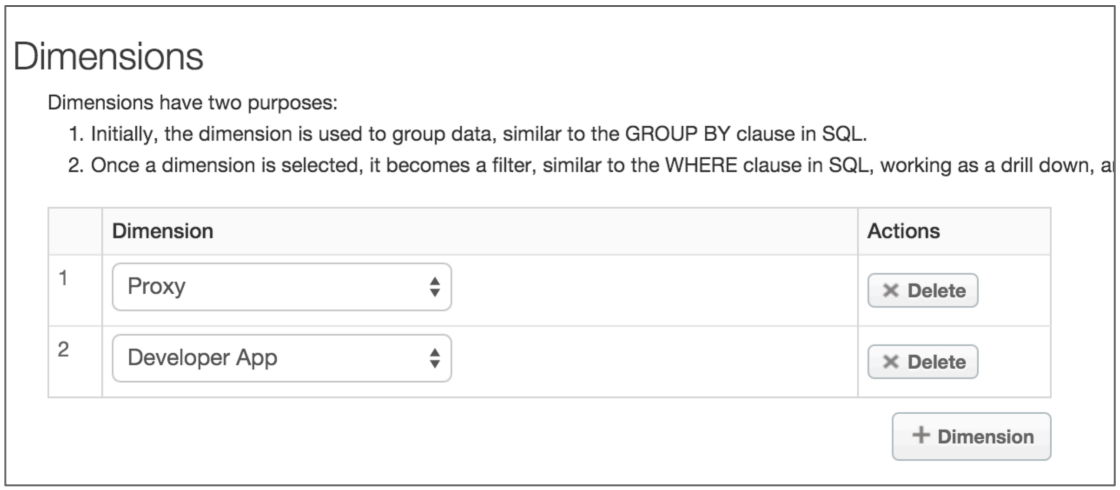
2. Define the custom report name, provide description and select the chart type as Column.

Use your initials while configuring the Custom report name.

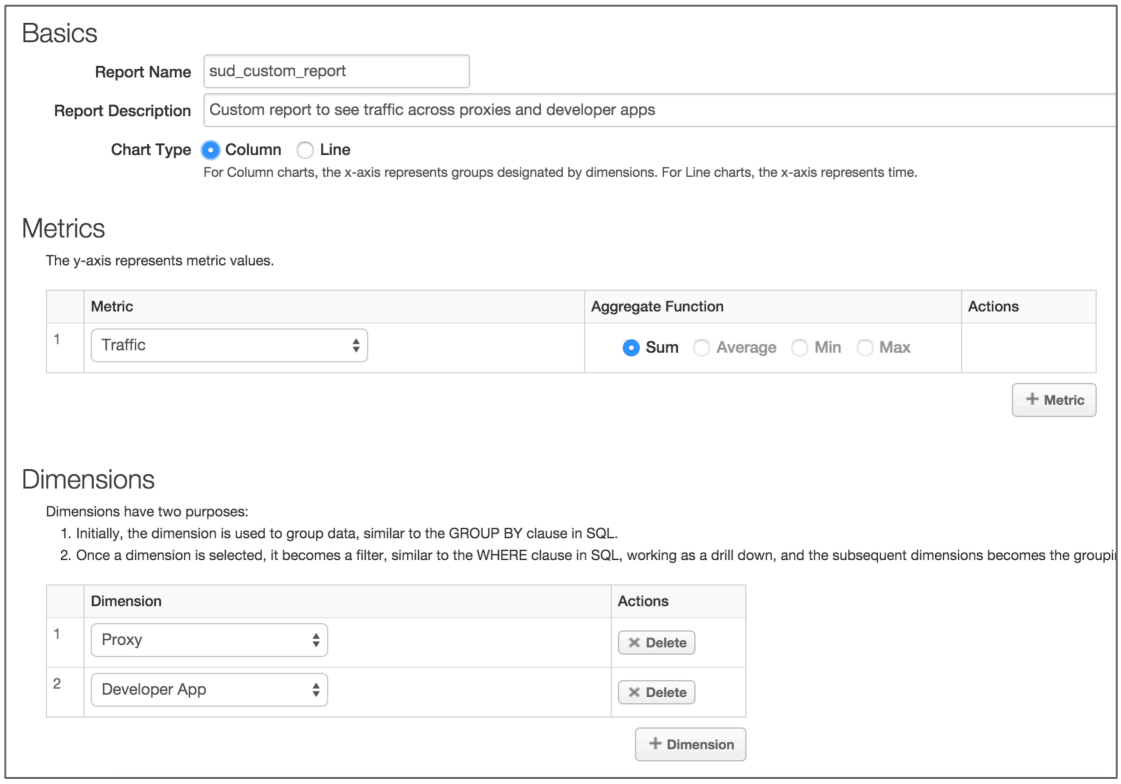
3. Click on **"+ Metric**" and select "Traffic" from the list of available metrics.



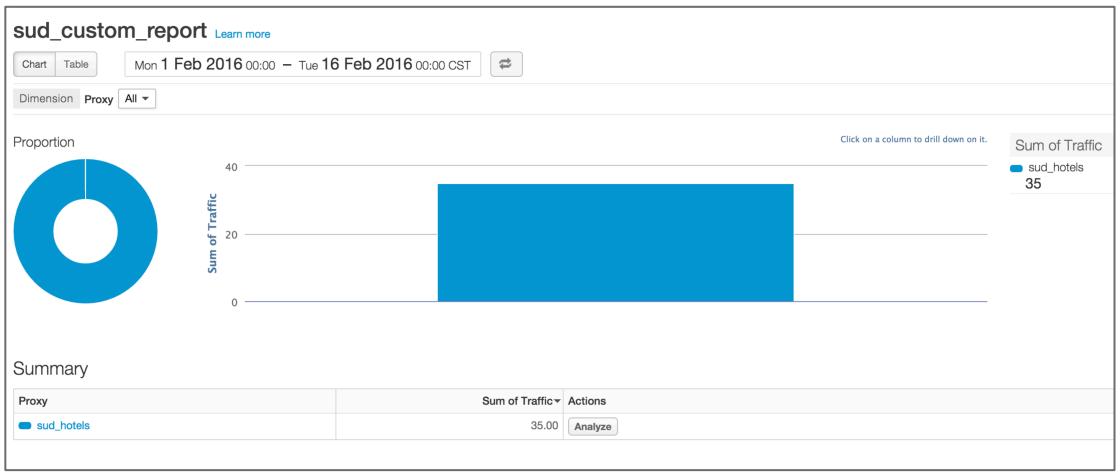
4. Click on **"+ Dimension**" and select "Proxy" from the list of available dimensions. Do this step one more time and select "Developer App".



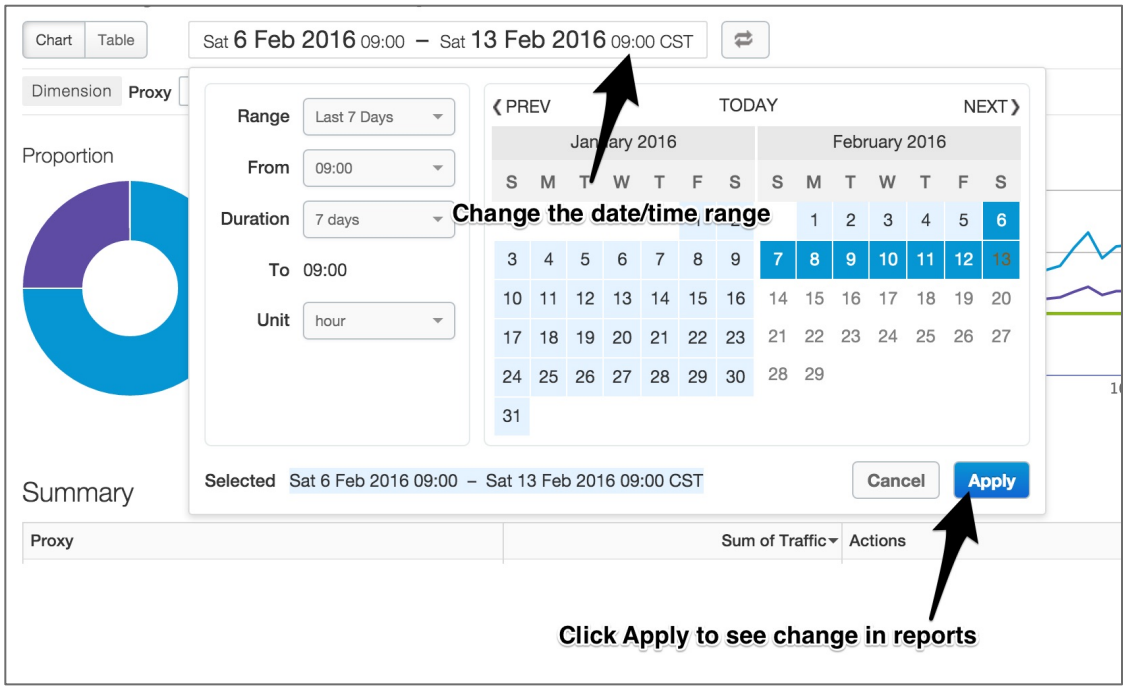
5. The final configuration should look like the following –



6. Click on Save.
7. You will see a report like the following –



8. Modify the date and time range and obverse the change in reports.



9. Review out of the box reports provided by Apigee Edge on –
    a. Proxy Performance
    b. Cache Performance
    c. Target/Backend Performace
    d. Traffic reports on Geomap
    e. Developer Engagement
    f. Error analytics

Summary

In this exercise, you learnt about the statistics collector policy & custom reports in Apigee Edge. You also added the custom report along with other reports to a custom dashboard. Please visit http://apigee.com/docs/api-services/content/analytics-dashboards to see the different kinds of operational reports and dashboards that are available to you.