



Aug, 2015

Foundational Training

Custom Analytics Reports



Custom Statistics Collection

helloworld-java

OVERVIEW DEVELOP TRACE

Project Save Revision 1 New New Policy Attach Policy Tools Deployment Help for Selected Flow

Navigator << Designer: Endpoint default, Flow Custom Analytics Collection Beta Property Inspector: PreFlow >>

1 Analyze HTTP Transaction and Define Collectors

Extract Data from HTTP Transaction		Save in Collector Variable		
Location Type	Location Source	Name	Data Type	Action
1 Request: JSON Body	JSON Path \$.title_id	titleid	String	

+ Collector

2 Select Flow

Proxy Endpoint default, Flow PostFlow

Solution Results

Segment	Policies
Request	Extract Statistics Request, Collect Statistics Request

New collector variables are available in the Report editor as drilldown dimensions after this API proxy has been saved and deployed.

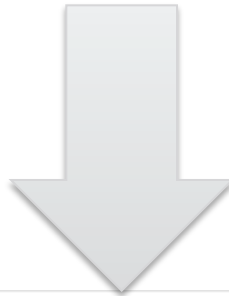
Cancel Build Solution

Apigee allows developers to send any custom data in its out-of-box Analytics engine. This is available through a policy, and even a wizard to set up for you.

Custom Statistics Collection

- Policies are auto-generated by the wizard
- Can be manually customized to extract any part of the HTTP message for used in the StatisticsCollector policy

```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <ExtractVariables async="false" continueOnError="true" enabled="true" name="__extract-statistics-request__">
3   <!-- Created by the Custom Analytics Collection tool on: Thu Aug 07 2014 10:17:10 GMT-0700 (PDT) -->
4   <DisplayName>Extract Statistics Request</DisplayName>
5   <JSONPayload>
6     <Variable name="__jsonPayload" type="string">
7       <JSONPath>$.title_id</JSONPath>
8     </Variable>
9   </JSONPayload>
10 </ExtractVariables>
```



```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <StatisticsCollector async="false" continueOnError="false" enabled="true" name="__collect-statistics-request__">
3   <!-- Created by the Custom Analytics Collection tool on: Thu Aug 07 2014 10:17:10 GMT-0700 (PDT) -->
4   <DisplayName>Collect Statistics Request</DisplayName>
5   <Statistics>
6     <Statistic name="titleid" ref="__jsonPayload" type="String"></Statistic>
7   </Statistics>
8 </StatisticsCollector>
```

Analytics: Custom Reporting via UI

apigee [Dashboard](#) [APIs](#) [Publish](#) **[Analytics](#)** [Admin](#) [Help](#) michael.blissell@apige... **API Platform**

Dashboard / Custom Reports / Organization **jokeindex**

New Custom Report

Basics

Report Name

Report Description

Chart Type ☒ Column ☐ Line
For Column charts, the x-axis represents groups designated by Drilldowns. For Line charts, the x-axis represents time.

Data

Aggregation Interval ☐ Daily ☒ Hourly ☐ Per-Minute

Environment **test**

Measures

The y-axis represents measurement values.

	Measure	Aggregate Function	Actions
1	<input type="text" value="Select..."/>	<input type="radio"/> Sum <input type="radio"/> Average <input type="radio"/> Min <input type="radio"/> Max	

[+ Measure](#)

Drilldowns

Drilldowns have two purposes:

- Initially, the drilldown is used to group data, similar to the GROUP BY clause in SQL.
- Once a drilldown is selected, it becomes a filter, similar to the WHERE clause in SQL, and the subsequent drilldown becomes the grouping mechanism.

	Drilldown	Actions
1	<input type="text" value="Select..."/>	

[+ Drilldown](#)

Filter

Basic **Advanced**

Filter Conditions	Connector	Name	Operator	Value	Actions
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[+ Filter Condition](#)

← Report Name and Type

← Format and Environment

← Primary Reporting Measures

← Drilldown Reporting Measures

← Additional Filters

Things to Watch Out For

- Variables are not Cached
 - Reattach your extract variables if you want to record them from a cached resource
- Statistic Names are Shared Across API Proxies
 - Use unique names where unique data is required
 - It's okay to share (drilldowns let you separate it later)
- Analytics Never Die
 - Garbage in... garbage still in later
- Free is Slow
 - It might take a few minutes to process in the multi-tenant environment
 - Dedicated Edge resources are faster, but some delay may occur

DEMO



DEMO
Statistic Collector and Report
Revision 13

Thank you

An abstract geometric pattern consisting of white dots of varying sizes connected by thin white lines, set against a solid orange background. The pattern forms a network of interconnected shapes, including triangles and polygons, scattered across the slide.

apigee

March 2014