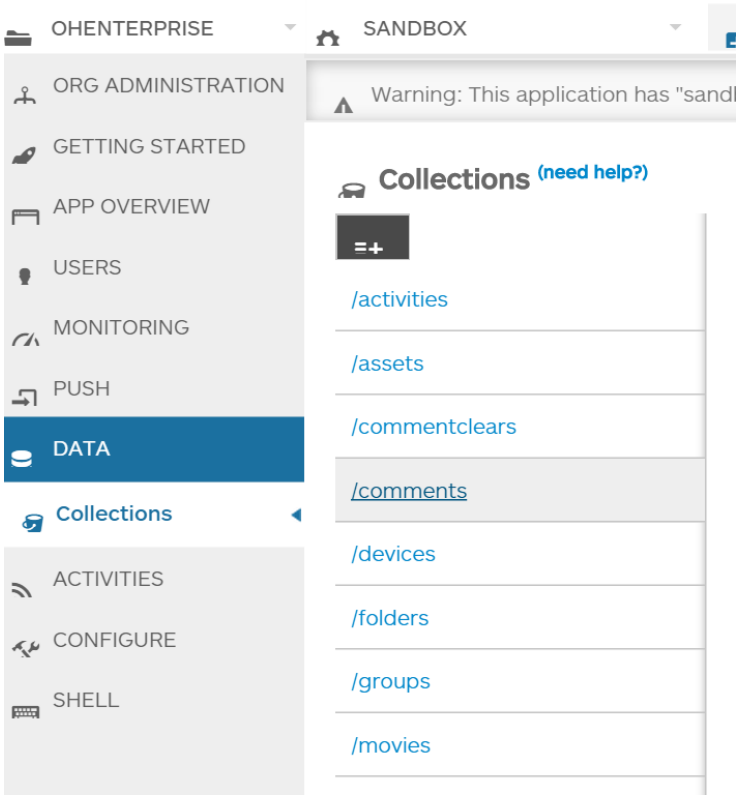
Ja Yong Oh 830025350
Assignment 5
CSCI3800 Spr 2015
May 2, 2015

REQUIREMENTS

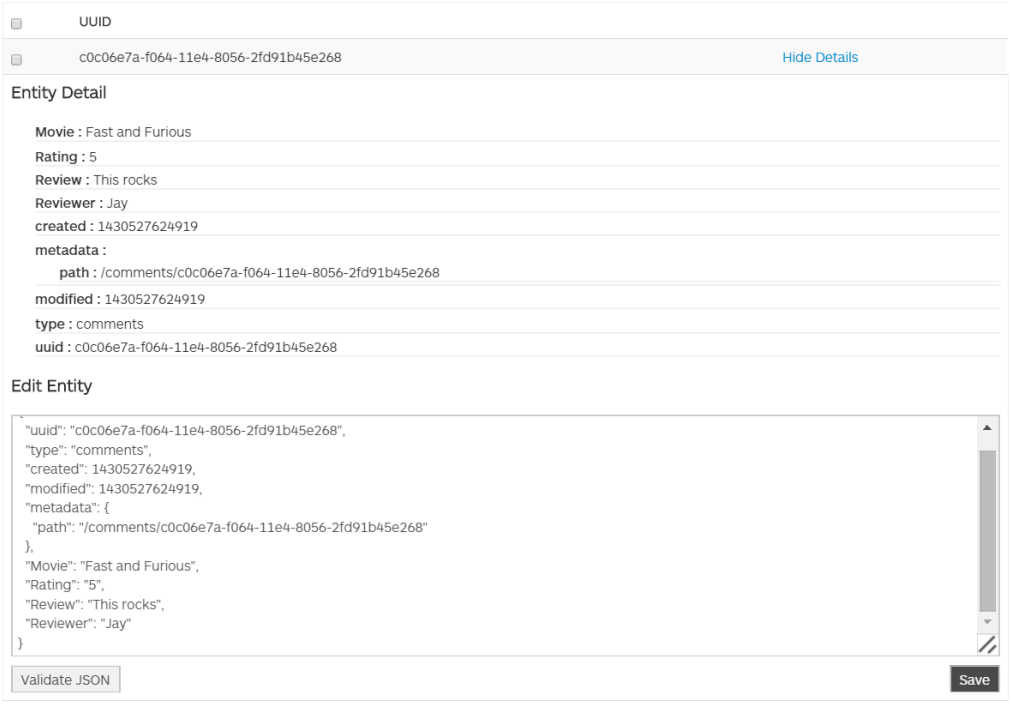
- Create a collection in Apigee's BaaS to hold reviews about existing movies.
    - A review contains the name of the reviewers, a small quote about what they thought about the movie, and their rating out of five stars.

Collection called, "comments" was created in SANDBOX of my OHENTERPRISE Baas.



These were the reviews I populated:

Within each of the reviews has these fields:



- The read view collection should have at least one review for each movie.

  These are the movies from my /movies collection:


```
{
  "action" : "get",
  "application" : "c580b2c0-bbb8-11e4-ac67-bbfdc9e6e985",
  "params" : { },
  "path" : "/movies",
  "uri" : "https://api.usergrid.com/ohenterprise/sandbox/movies",
  "entities" : [ {
    "uuid" : "a5705dfa-df2b-11e4-ae78-2dc8b342ad7c",
    "type" : "movie",
    "created" : 1428633928015,
    "modified" : 1428633928015,
    "Director" : "JJ Abrham",
    "ID" : "2",
    "metadata" : {
      "path" : "/movies/a5705dfa-df2b-11e4-ae78-2dc8b342ad7c",
      "connections" : {
        "comments" : "/movies/a5705dfa-df2b-11e4-ae78-2dc8b342ad7c/comments"
      }
    },
    "Name" : "Star Trek Into the Darkness",
    "Starring" : "John Cho",
    "Year" : "2013"
  }, {
    "uuid" : "e245cada-df2b-11e4-a71a-fb42936c46a0",
    "type" : "movie",
    "created" : 1428634030077,
    "modified" : 1428634030077,
    "Director" : "Andrzej Bartkowiak",
    "ID" : "3",
    "metadata" : {
```

```
      "path" : "/movies/e245cada-df2b-11e4-a71a-fb42936c46a0",
      "connections" : {
        "comments" : "/movies/e245cada-df2b-11e4-a71a-fb42936c46a0/comments"
      }
    },
    "Name" : "Romeo Must Die",
    "Starring" : "Jet Li",
    "Year" : "2000"
  }, {
    "uuid" : "12a9000a-dfce-11e4-a10e-e13709a8abbc",
    "type" : "movie",
    "created" : 1428703689728,
    "modified" : 1430502321053,
    "Director" : "Rob Cohen",
    "ID" : "4",
    "metadata" : {
      "path" : "/movies/12a9000a-dfce-11e4-a10e-e13709a8abbc",
      "connections" : {
        "comments" : "/movies/12a9000a-dfce-11e4-a10e-e13709a8abbc/comments"
      }
    },
    "Name" : "Fast and Furious",
    "Starring" : "Vin Diesel",
    "Year" : "2001"
  }, {
    "uuid" : "832d4afa-f024-11e4-98eb-954ccec38b90",
    "type" : "movie",
    "name" : "newmovie",
    "created" : 1430500033823,
    "modified" : 1430500033823,
    "metadata" : {
      "path" : "/movies/832d4afa-f024-11e4-98eb-954ccec38b90",
      "connections" : {
        "comments" : "/movies/832d4afa-f024-11e4-98eb-954ccec38b90/comments"
      }
    }
  }, {
    "uuid" : "c503f01a-f05a-11e4-8edb-af1430252018",
    "type" : "movie",
    "created" : 1430523337105,
    "modified" : 1430523337105,
    "ID" : "7",
    "metadata" : {
      "path" : "/movies/c503f01a-f05a-11e4-8edb-af1430252018"
    },
    "Name" : "NextCoolMovie",
    "Starring" : "Jay",
    "Year" : "2015"
  } ],
  "timestamp" : 1430569784366,
  "duration" : 51,
  "organization" : "ohenterprise",
  "applicationName" : "sandbox",
  "count" : 5
}
```


These are the comments from my /comments collection:

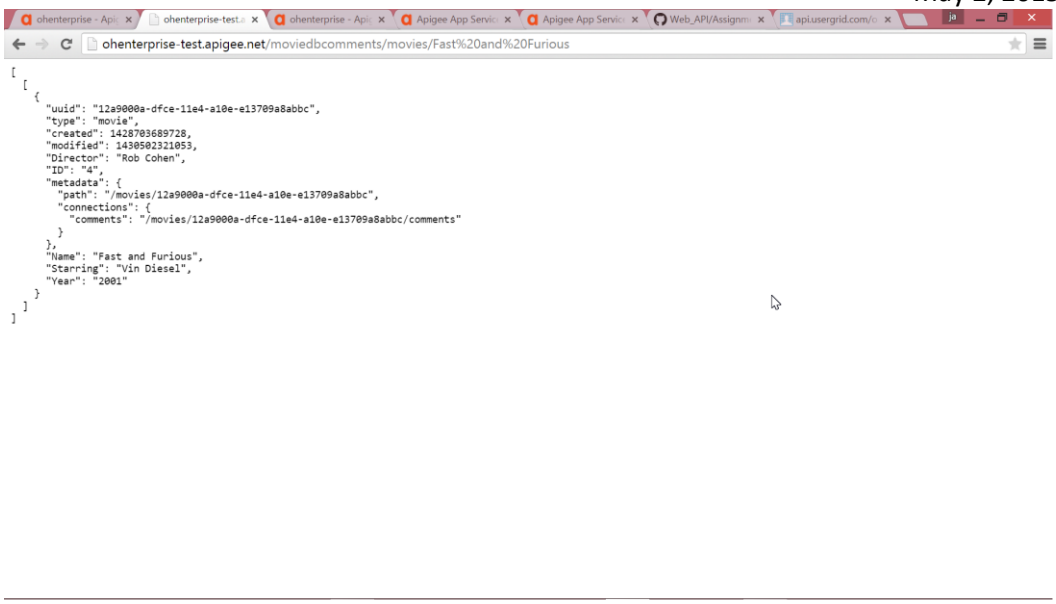

```
{
  "action" : "get",
  "application" : "c580b2c0-bbb8-11e4-ac67-bbfdc9e6e985",
  "params" : { },
  "path" : "/comments",
  "uri" : "https://api.usergrid.com/ohenterprise/sandbox/comments",
  "entities" : [ {
    "uuid" : "df735c1a-efa1-11e4-933f-81bf3a6d9a9d",
    "type" : "comment",
    "created" : 1430443924561,
```

```
  "modified" : 1430443924561,
  "metadata" : {
    "connecting" : {
      "comments" : "/comments/df735c1a-efa1-11e4-933f-81bf3a6d9a9d/connecting/comments"
    },
    "path" : "/comments/df735c1a-efa1-11e4-933f-81bf3a6d9a9d"
  },
  "Movie" : "Romeo Must Die",
  "Rating" : "4",
  "Review" : "The greatest movie of all times!!!!",
  "Reviewer" : "Bart Simpson"
}, {
  "uuid" : "e437e90a-efa1-11e4-8cc9-9f14b460fc6f",
  "type" : "comment",
  "created" : 1430443932560,
  "modified" : 1430443932560,
  "metadata" : {
    "connecting" : {
      "comments" : "/comments/e437e90a-efa1-11e4-8cc9-9f14b460fc6f/connecting/comments"
    },
    "path" : "/comments/e437e90a-efa1-11e4-8cc9-9f14b460fc6f"
  },
  "Movie" : "Romeo Must Die",
  "Rating" : "4",
  "Review" : "The greatest movie of all times!!!!",
  "Reviewer" : "Bart Simpson"
}, {
  "uuid" : "e890bbda-efa1-11e4-a8c3-81e55917fa76",
  "type" : "comment",
  "created" : 1430443939853,
  "modified" : 1430443939853,
  "metadata" : {
    "path" : "/comments/e890bbda-efa1-11e4-a8c3-81e55917fa76"
  },
  "Movie" : "Star Trek Into the Darkness",
  "Rating" : "5",
  "Review" : "The greatest movie of all times!!!!",
  "Reviewer" : "Bart Simpson"
}, {
  "uuid" : "edc4373a-efa1-11e4-a134-a769ea0e03d7",
  "type" : "comment",
  "created" : 1430443948579,
  "modified" : 1430443948579,
  "metadata" : {
    "connecting" : {
      "comments" : "/comments/edc4373a-efa1-11e4-a134-a769ea0e03d7/connecting/comments"
    },
    "path" : "/comments/edc4373a-efa1-11e4-a134-a769ea0e03d7"
  },
  "Movie" : "Fast and Furious",
  "Rating" : "3",
  "Review" : "The greatest movie of all times!!!!",
  "Reviewer" : "Bart Simpson"
}, {
  "uuid" : "f00cc7aa-efa1-11e4-a2fb-4fd482ece490",
  "type" : "comment",
  "created" : 1430443952410,
  "modified" : 1430443952410,
  "metadata" : {
    "path" : "/comments/f00cc7aa-efa1-11e4-a2fb-4fd482ece490"
  },
  "Movie" : "Romeo Must Die",
  "Rating" : "2",
  "Review" : "The greatest movie of all times!!!!",
  "Reviewer" : "You Me"
}, {
  "uuid" : "b55a996a-f024-11e4-826d-3bcea9d97e59",
  "type" : "comment",
  "created" : 1430500118006,
```

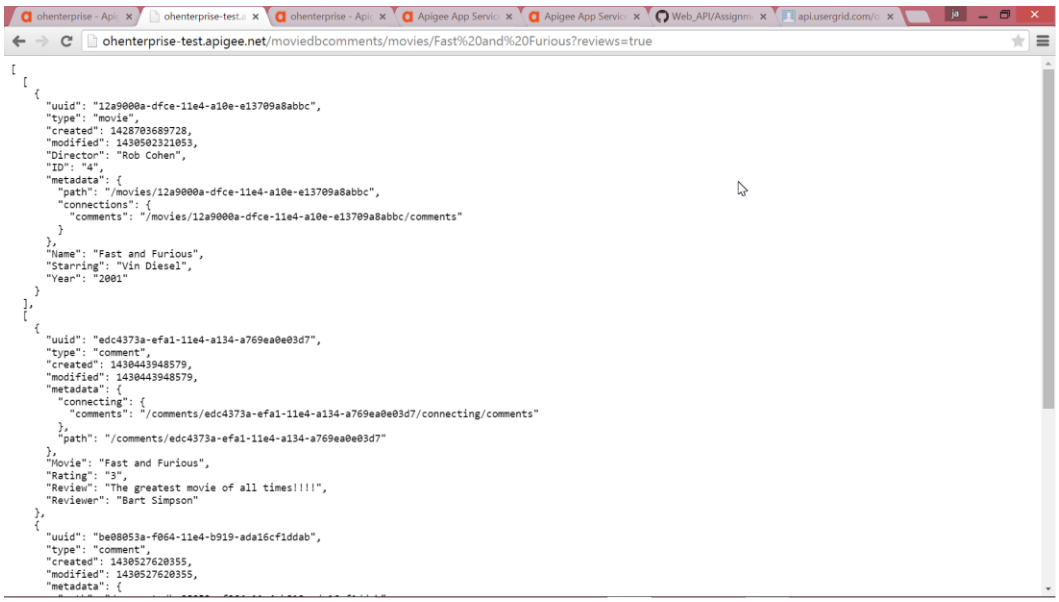
```
    "modified" : 1430500118006,
    "metadata" : {
      "connecting" : {
        "comments" : "/comments/b55a996a-f024-11e4-826d-3bcea9d97e59/connecting/comments"
      },
      "path" : "/comments/b55a996a-f024-11e4-826d-3bcea9d97e59"
    },
    "Movie" : "newmovie",
    "Rating" : "5",
    "Review" : "Awesome!!!!",
    "Reviewer" : "Me"
  }, {
    "uuid" : "be08053a-f064-11e4-b919-ada16cf1ddab",
    "type" : "comment",
    "created" : 1430527620355,
    "modified" : 1430527620355,
    "metadata" : {
      "path" : "/comments/be08053a-f064-11e4-b919-ada16cf1ddab"
    },
    "Movie" : "Fast and Furious",
    "Rating" : "5",
    "Review" : "This rocks",
    "Reviewer" : "Jay"
  }, {
    "uuid" : "c0c06e7a-f064-11e4-8056-2fd91b45e268",
    "type" : "comment",
    "created" : 1430527624919,
    "modified" : 1430527624919,
    "metadata" : {
      "path" : "/comments/c0c06e7a-f064-11e4-8056-2fd91b45e268"
    },
    "Movie" : "Fast and Furious",
    "Rating" : "5",
    "Review" : "This rocks",
    "Reviewer" : "Jay"
  } ],
  "timestamp" : 1430569875933,
  "duration" : 74,
  "organization" : "ohenterprise",
  "applicationName" : "sandbox",
  "count" : 8
}
```


    - The review can be a simple, fictitious review that you create.
- This proxy should build upon the previous proxy in assignment four.
    - If the user sends a response with the query parameter reviews=true, then the response should include the movie information as well as all the reviews for the movie. If they do not pass this in, the response should not show the reviews.

      Results without reviews=true:



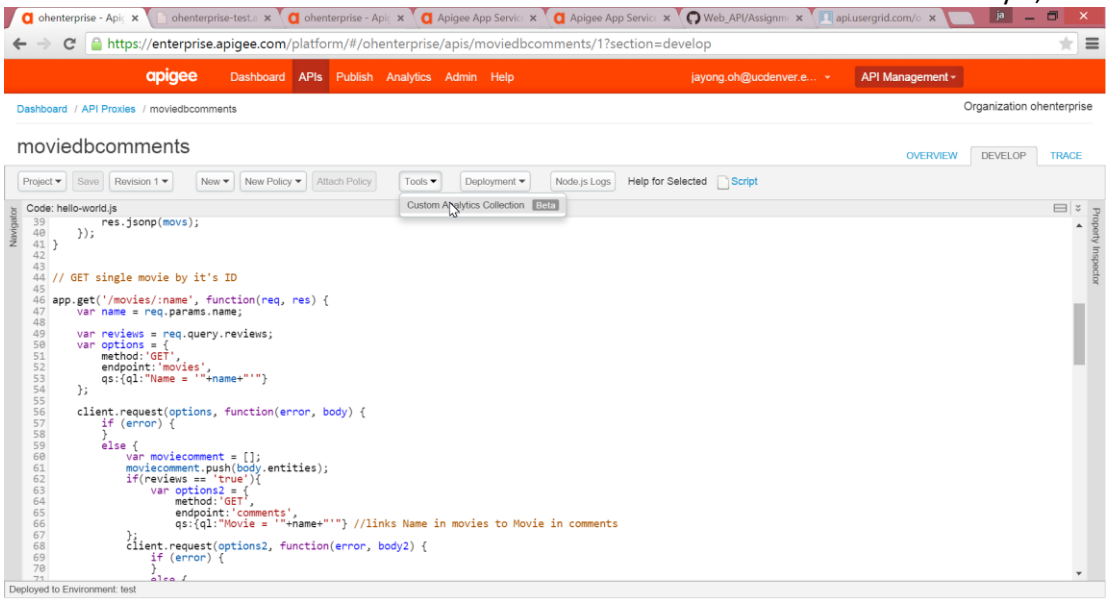
Results with reviews=true:



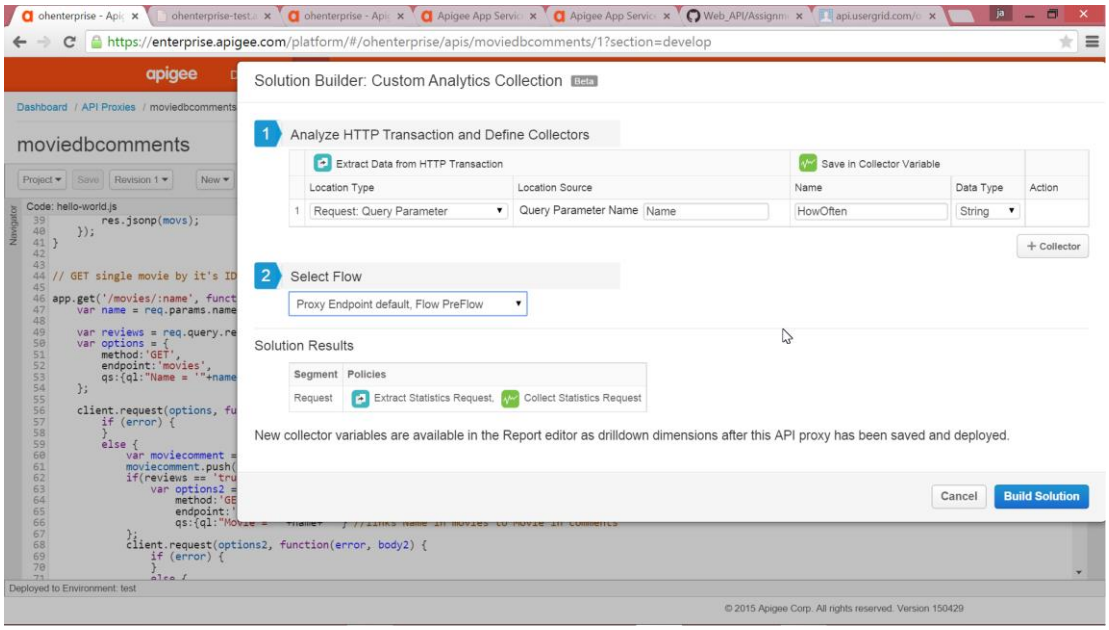
- Add custom analytics to return information about which movies users are querying.
    - Create a custom analytics policy that describes the number of times each movie has been queried. To do this, you will have to send a number of requests for each movie.

I created custom analytics in the following steps:

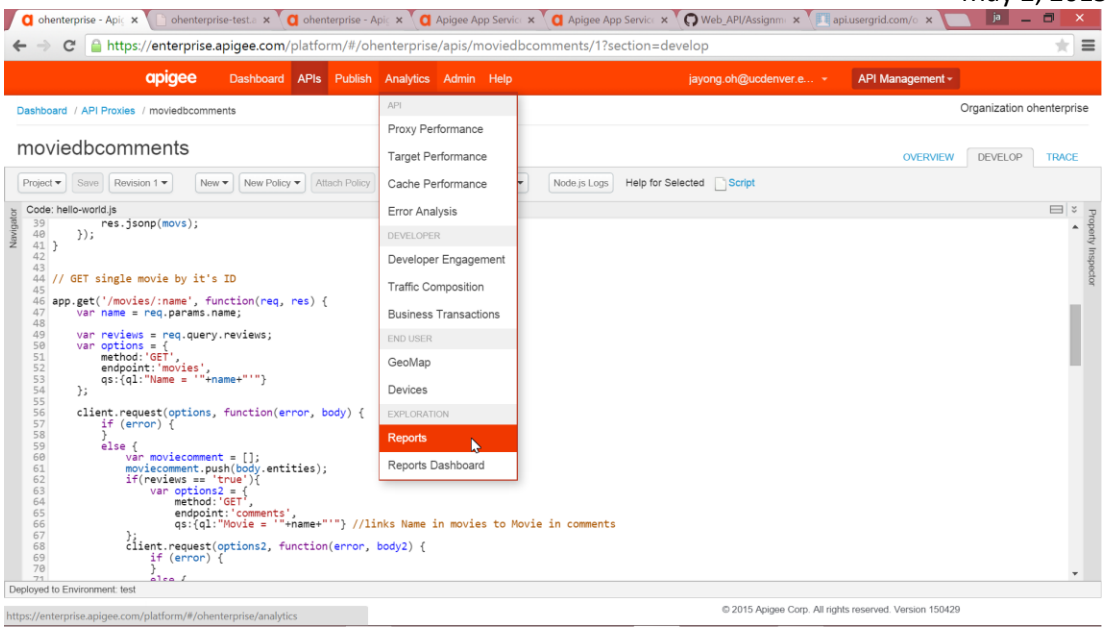
1. Select “Custom Analytics Collection” under the tools



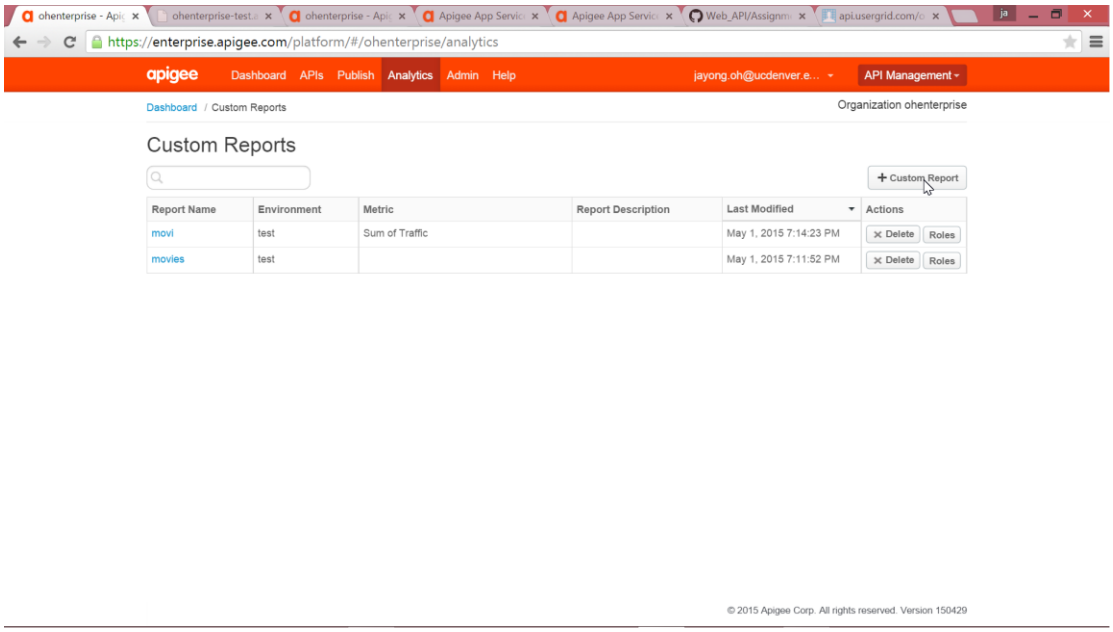
2. Select the field “Name” to evaluate and I named it “HowOften”



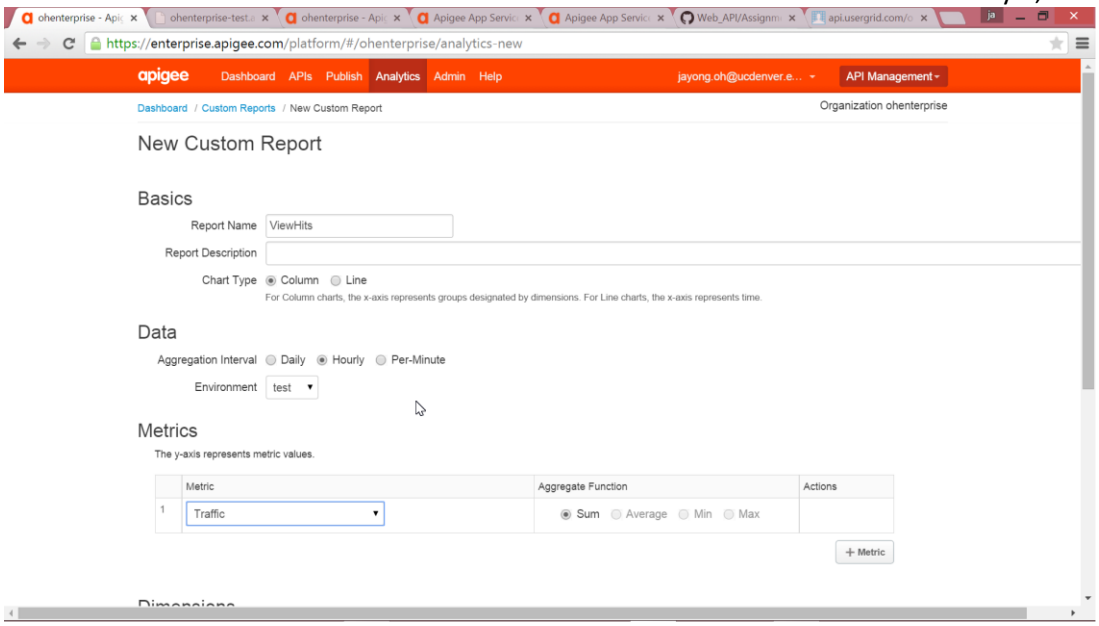
3. To view the analytics, you must first create a report under the “Analytics” tab



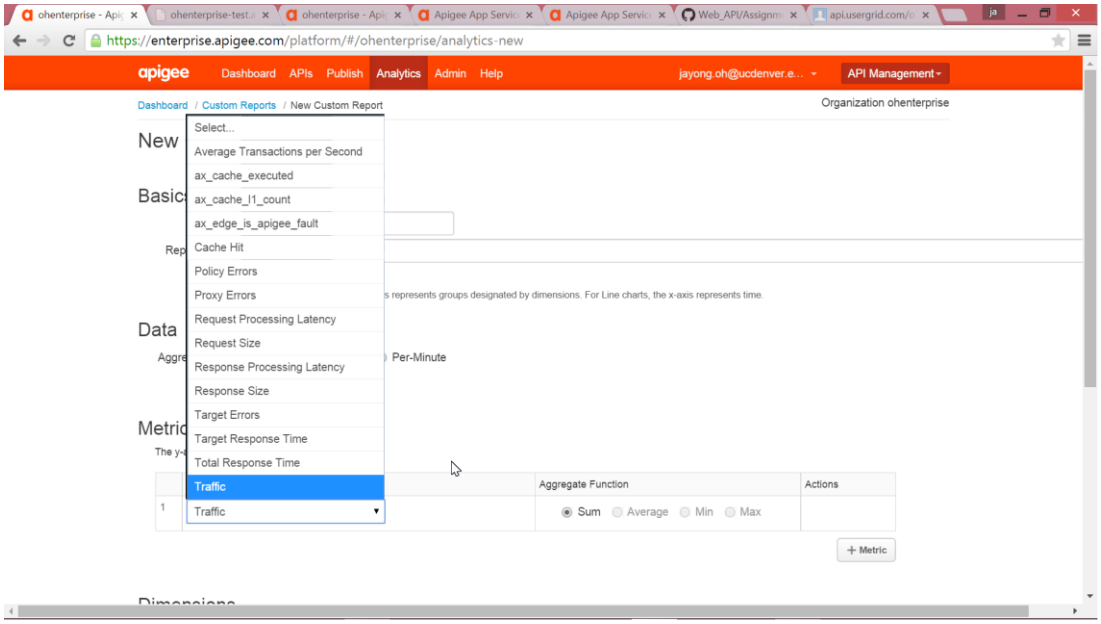
4. Create a custom report:



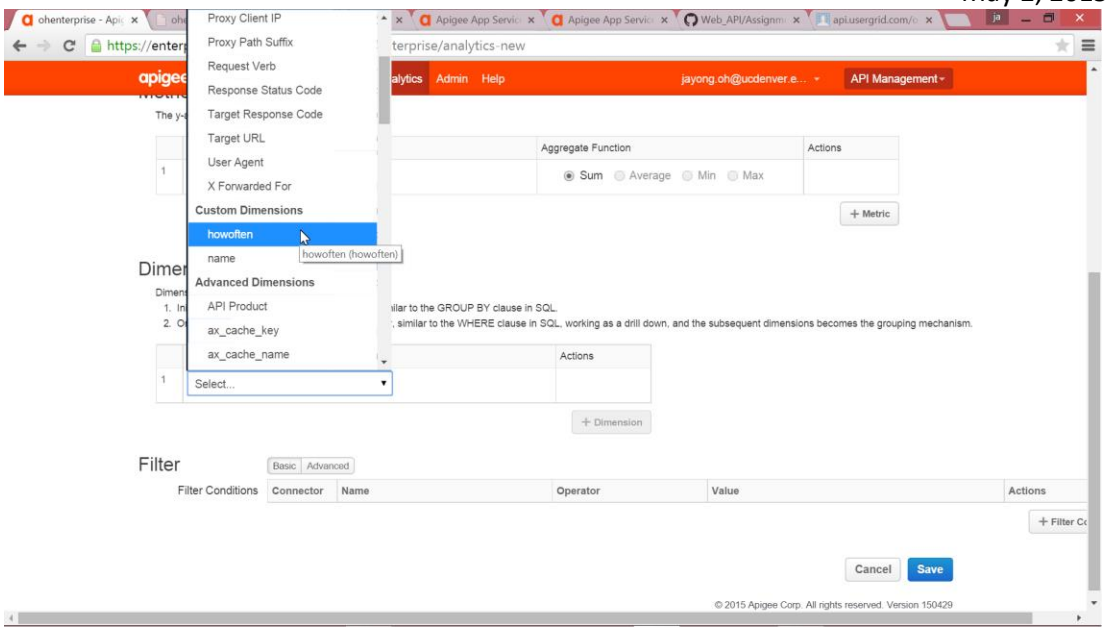
5. Name your custom report (I named it “ViewHits”):



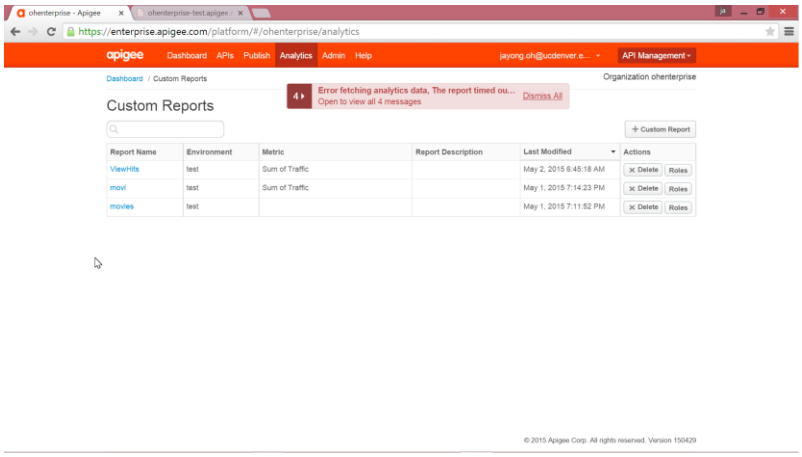
6. Choose from options:



7. Select the name of the custom analytics collection from step 2:



8. Save and your report is ready
9. UNFORTUNATELY, the Apigee server was going through weird things at the time of the report view and gave me errors. However, at the time of this grading, hopefully it functions as it should. I tested this with “movi” report and it tested fine with the number of traffic

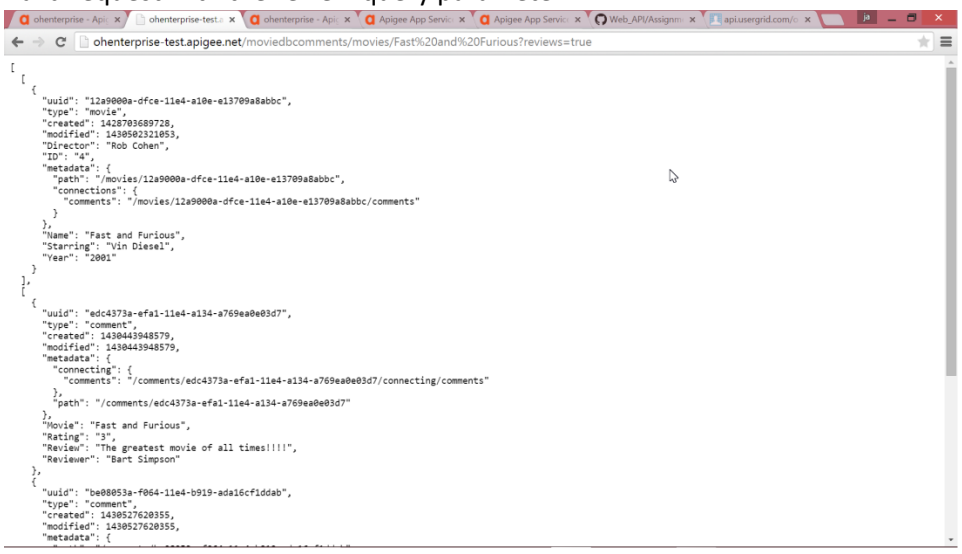


ACCEPTANCE CRITERIA

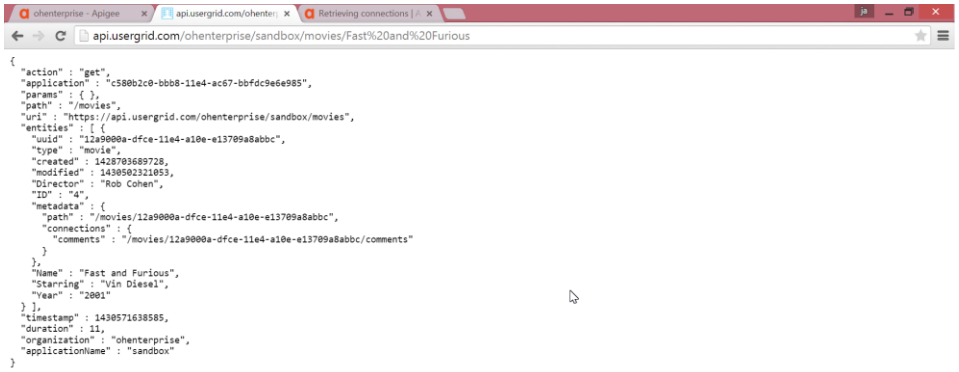
- In previous assignments, not including a small test suite has had a minimal negative impact on grading. For this assignment, it is required. If a test suite is not included in your email or uploaded to GitHub, the assignment will not be graded.
    - Create a SoapUI/Postman/collection of curl commands to test your proxy. You should include the following requests.
      Since these are all ‘GET’ request, I thought I would just use the window from the browser (let me know if this is inadequate)
        - Valid request without the review query parameter.

- Invalid request (for a movie not in the Baas) without the review query parameter.

- Valid request with the review query parameter



- A request to the BaaS which returns a movie (this request does not go through the proxy).



- A request to the BaaS which returns a review (this request does not go through the proxy).

- Include the CSV results from your custom report generated by Apigee.
- When viewing the custom report, you can export as a CSV.

Soon as Apigee Analytics is up, I will upload the CSV file onto my Github.

You can test out everything from the preceding at:

http://ohenterprise-test.apigee.net/moviedbcomments/movies/{name of movie}{?reviews=true}

and

http://api.usergrid.com/ohenterprise/sandbox/{movies or comments}