

# Consolidated Dashboard for Ratable Monitoring, Ratable Care Portal and Tern

We have three major services at Intuit namely

- Ratable Monitoring
- Ratable Care Portal
- Tern

Currently, we have separate dashboards for each of the service but our aim is to build a consolidated dashboard for the three services that show an important summary of the three services.

We are choosing **Tableau** for building our consolidated dashboard.

The Consolidated Dashboard is divided into three major sections for each service

- NewRelics
- Jenkins
- Splunk

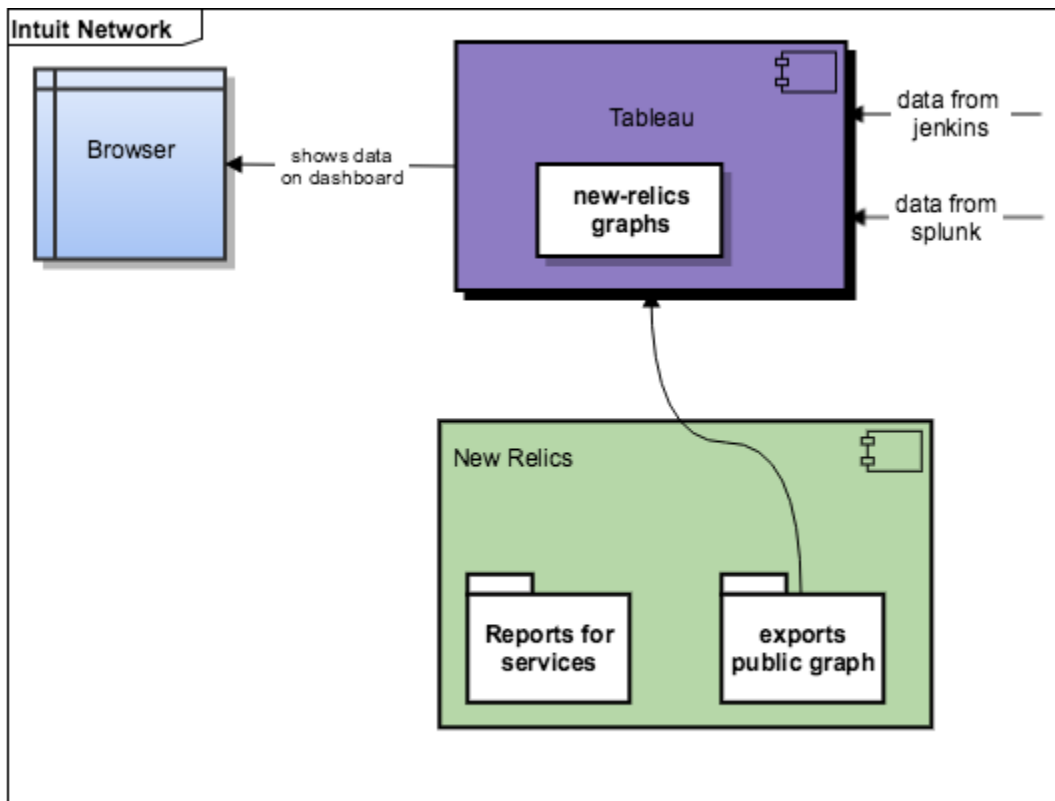
Here is how each of them works:

## 1) NEWRELICS

For Ratable, Care Portal and Tern we are displaying:

- Throughput(last 30 minutes)
- Downtime(last 7 days)
- Appdex Score(last 7 days)

Embed the required graphs using the public chart links



## 2) JENKINS

We have a web data connector written in HTML, that makes an AJAX call to the following URLs:

- FOR Ratable: [https://fmsscm.corp.intuit.net/fms-build/view/Ratable/job/Ratable\\_Nightly\\_Build/api/json](https://fmsscm.corp.intuit.net/fms-build/view/Ratable/job/Ratable_Nightly_Build/api/json)
- FOR CARE PORTAL: <http://fmsscm.corp.intuit.net/fms-build/view/Tern/job/CI-Tern-Segmentor-Trunk/api/json>
- FOR TERN: [http://fmsscm.corp.intuit.net/fms-build/view/Ratable/job/RatableCP\\_Nightly\\_Build/api/json](http://fmsscm.corp.intuit.net/fms-build/view/Ratable/job/RatableCP_Nightly_Build/api/json)

The result of the AJAX call is a JSON which is then parsed to extract summary of builds such as:

- Last Stable Build Number
- Last Stable Build Url
- Last Successful Build number
- Last Unstable Build number
- Last Completed Build number
- Health Report

The web data connector consists of three major functions:

### 1) **buildUri**

This function takes the jenkins url

### 2) **getColumnHeaders**

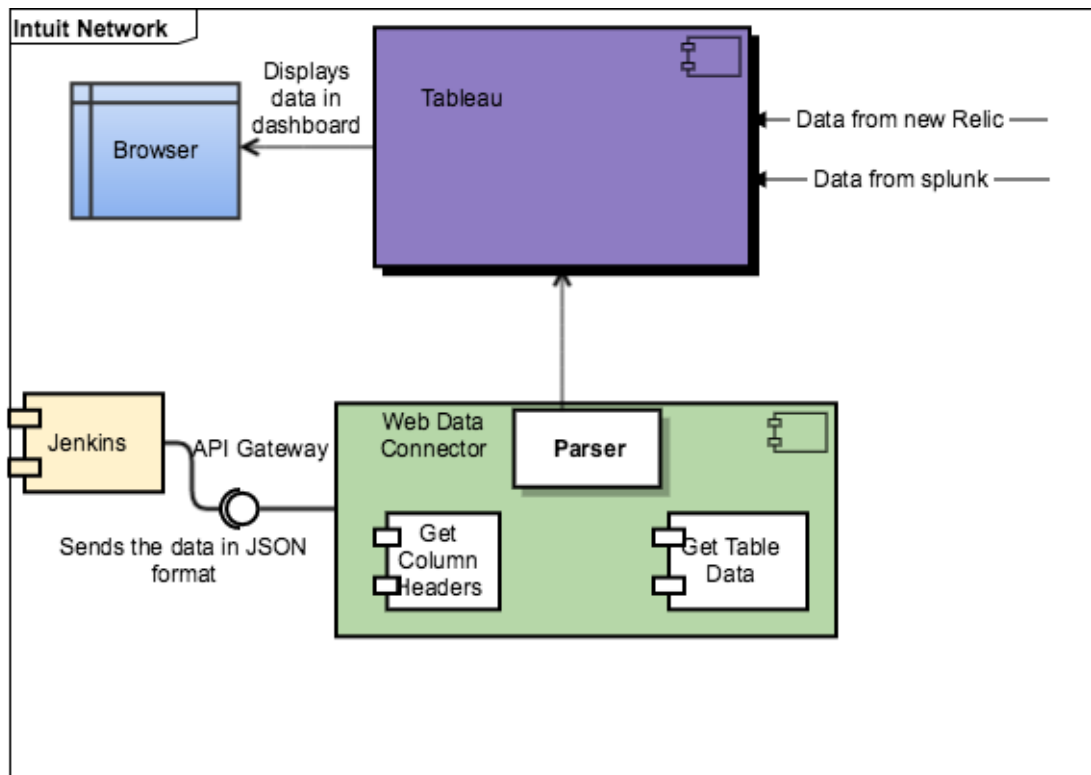
This function makes two variables

- fieldNames which is an array that consists of names of all the columns that i want to display eg  
['name','firstBuild\_number','firstBuild\_url','healthReport','lastBuild\_number','lastBuild\_url','lastCompletedBuild\_number','lastCompletedBuild\_url','lastFailedBuild\_number','lastFailedBuild\_url','lastStableBuild\_number','lastStableBuild\_url','lastSuccessfulBuild\_number','lastSuccessfulBuild\_url','lastUnstableBuild\_number','lastUnstableBuild\_url','lastUnsuccessfulBuild\_number','lastUnsuccessfulBuild\_url'];
- fieldTypes is an array that consists of the datatypes of the fieldNames eg  
['string','int','string','string','int','string','int','string','int','string','int','string','int','string','int','string'];

### 3) **getTableData**

This function makes an ajax call to the url and builds a dictionary with keys as the fieldNames and values as the ones we got from the response from the ajax calls.

At last, tableau uses its API to push this dictionary to the dashboard to display



To learn more about web data connectors go to <https://onlinehelp.tableau.com/current/api/wdc/en-us/help.htm>

### 3) SPLUNK

For Ratable Monitoring,

Go to: [https://splunk.sbg.intuit.com/en-US/app/intu\\_sbg\\_qbdt\\_search/ratable\\_monitoring\\_dashboard?earliest=0&latest=](https://splunk.sbg.intuit.com/en-US/app/intu_sbg_qbdt_search/ratable_monitoring_dashboard?earliest=0&latest=)

We made a report corresponding to the following two queries on Splunk:

- Last 24 Hours errors
- Errors by component

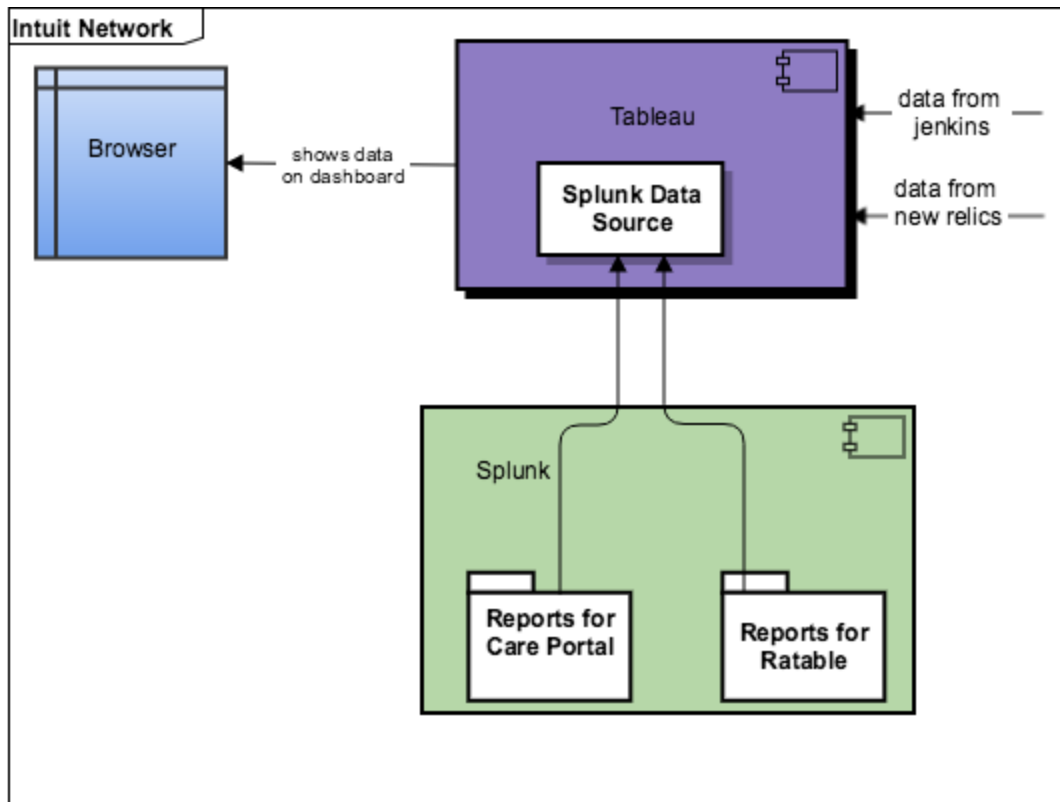
Tableau provides integration with Splunk. We can login to the URL <https://splunk.rest.sbg.intuit.com> and port number:443 and the rest API credentials.

Choose the above two reports and display them on the tableau.

For Ratable Care Portal:

We made a report corresponding to the following two queries on Splunk:

- Care Portal PageHits
- Care Portal total Licenced/ Unique Customers



#### 4)SERVER HEALTH

Currently displaying the following three graphs for server health:

- Application response time
- Application CPU usage
- Application memory usage