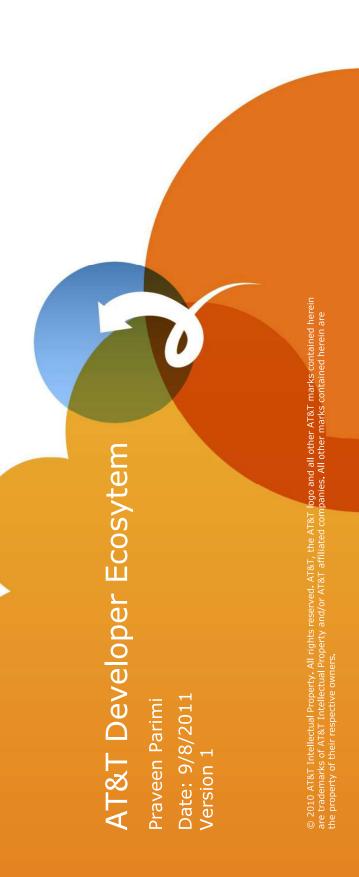


BlackFlag R1 - Service Monitoring



Background



During ramp-up to R1 launch the Dev Ecosystem team significantly expanded test scripts.

applications so be attributed to system issues verse their ascertain if issues encountered as they authored sample Effort occurred as there was a need to have a sense of service level stability and performance so team could coding defect or system level defect

improvements were occurring as the Factories and AT&T The tool also provided sense that real measureable Architecture team worked to increase system availability and performance

Browser Mob is utilized by many companies.

We are utilizing the basic features set cost of \$99/month







Currently testing Environments Integration Test **Production**

Upgrade

Reports

Notifications

Schedule

Dashboard

Monitoring

Delete

Edit

SF Bay Area, CA

10 mins

NA

N/A

monitor_froundry

Name

Tredmine

WON TAHO

Location

Freq

Response

Errors

Last 24 hours

Delete

Edit

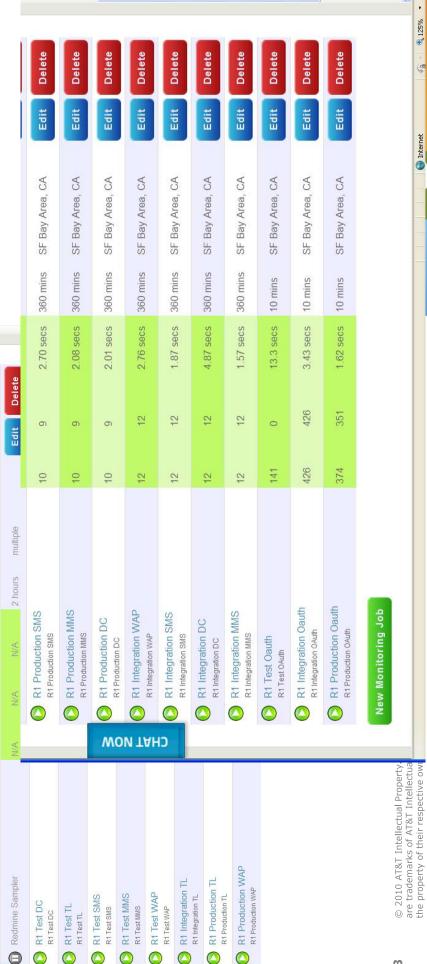
multiple

15 mins

N/A

N/A

N/A



Monitoring

Schedule

Dashboard

Notifications

Reports

Monitoring » View Job

R1 Production SMS

SF Bay Area, CA Location(s): 360 mins Frequency:

2+ months of history Note - things are more available



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(1) Free Tools

Monitoring » View Job

Schedule Dashboard

Notifications

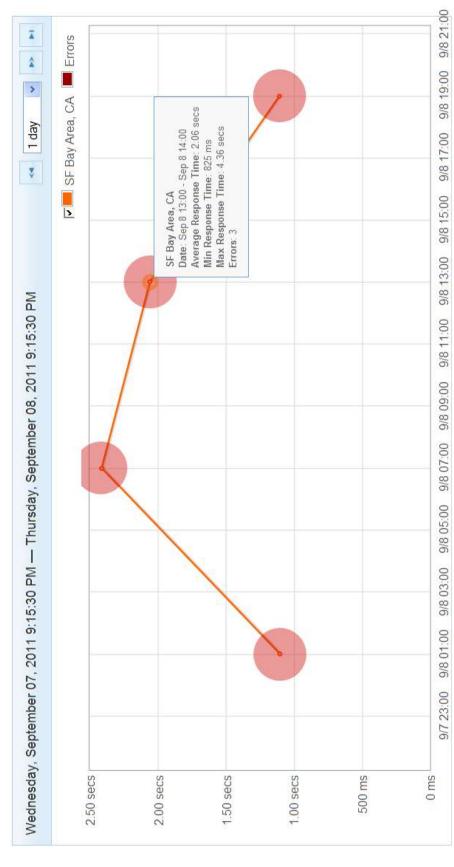
Reports

Checking on nature

of the error

R1 Production SMS

SF Bay Area, CA Location(s): Frequency: 360 mins



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Monitoring » View Job » Transaction

R1 Production MMS

Response Time: Sep 7, 2011 12:41:35 PM

Date:

38.2 secs

0 B

Total Bytes:

(line 31) Verification failed, verifyTextPresent('MMS Message ID') is false. [View raw headers] Error Message:

Dashboard Schedule Notifications Checking on specifics of the error

Reports

Error Screenshot اا

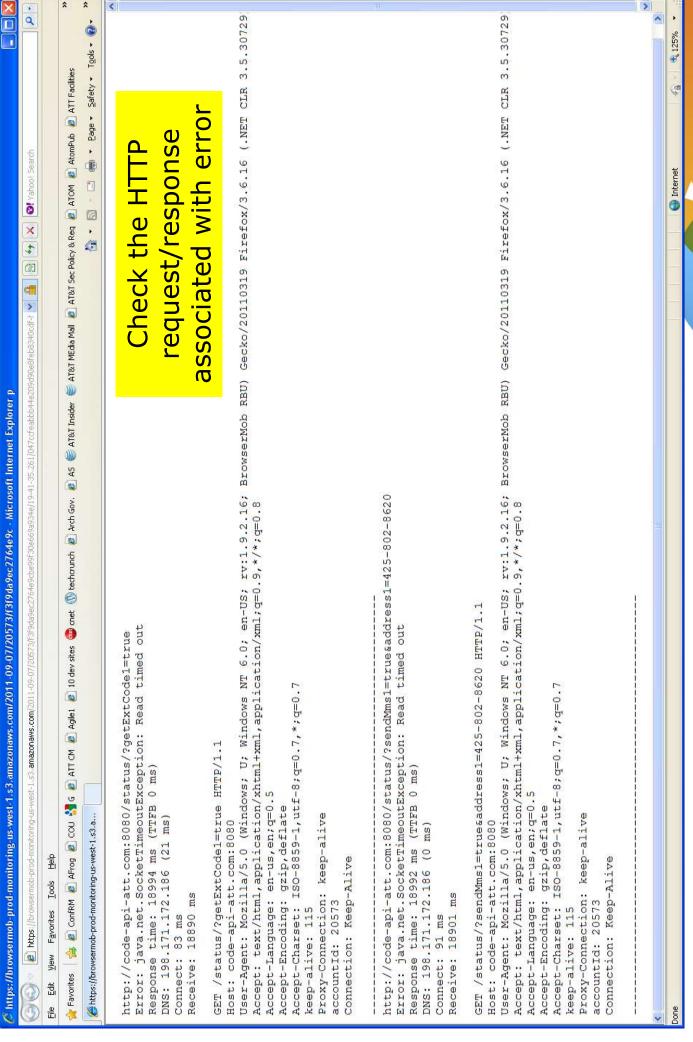
SF Bay Area, CA (IP: 50.18.90.156)

Location:

Click to enlarge

Network Performance

st Bytes	s 0 B 19.0 secs	e-api-att.com: 0B
Status Host	1 requests	-998 null code
Filename	Step 1	GET http://code-api-att.com:8080/status/?sendMms1=tr







III Load Testing

Monitoring

Tree Tools

Home Support

Monitoring » View Job

SF Bay Area, CA

Location(s):

360 mins

Frequency:

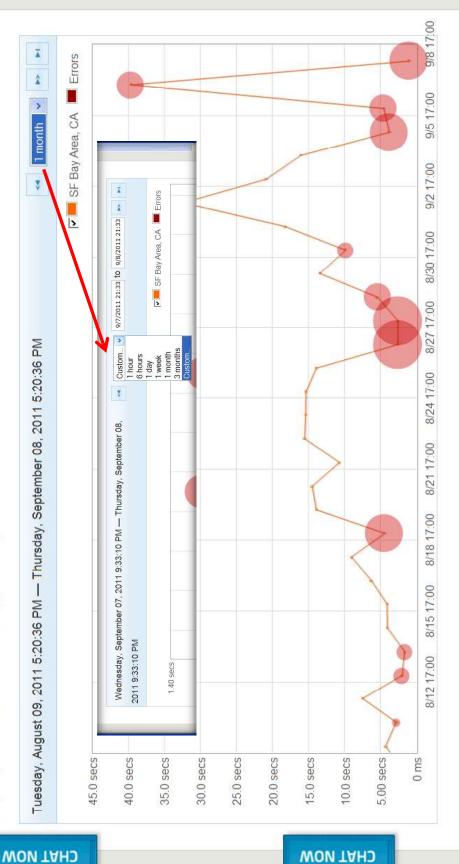
R1 Production MMS

Dashboard

Schedule Notifications

Reports

The monthly view

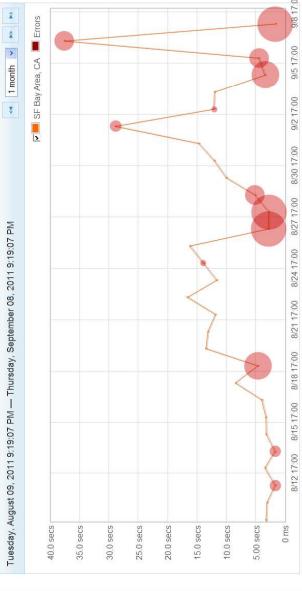


ש בטבט הומר בווה הווה מומר מומר מומר ווה הוא וה אומר, עוב הואר, עוב אואר, עוב אומר וויסרוביות ווארה לבצב אותר מ are trademarks of AT&T Intellectual Property and/or AT&T affiliated companies. All other marks contained herein are the property of their respective owners.



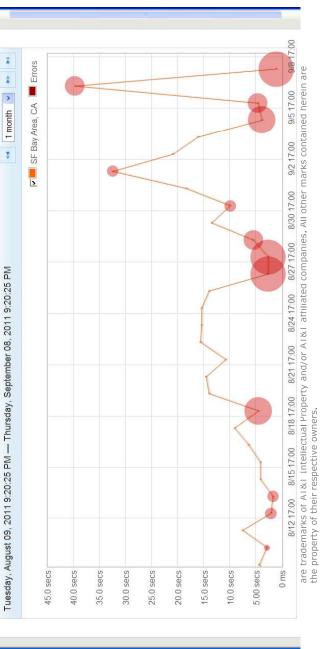
R1 Production SMS

Frequency: 360 mins | Location(s): SF



R1 Production MMS

Frequency: 360 mins Location(s): SF Bay Area, CA





Checks across
services enable
identification of a
system thing or
incident specific to a
service



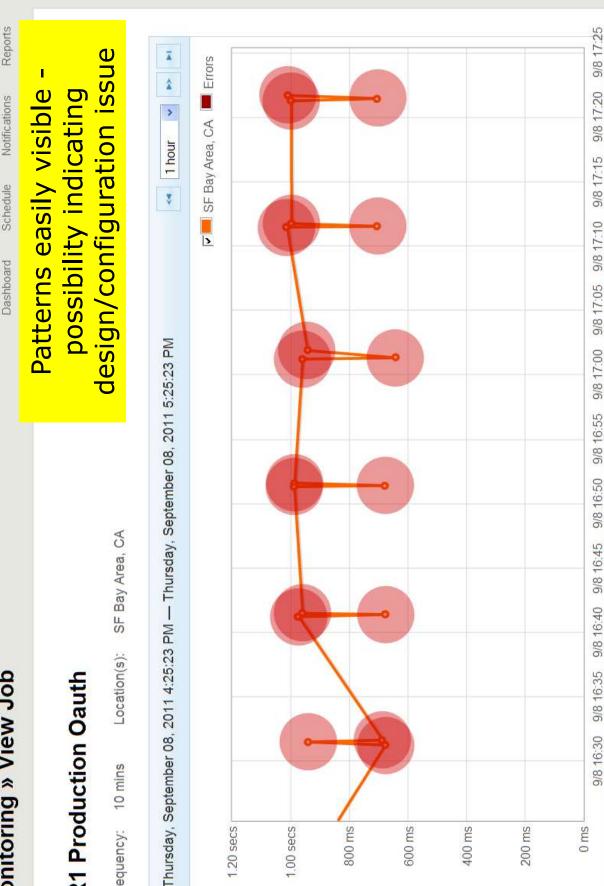
Monitoring » View Job

R1 Production Oauth

requency: 10 mins

WON TAHO

possibility indicating Dashboard Schedule



WON TAHO

My Profile



The following is your script, written in JavaScript, that can be used within BrowserMob for load and performance testing. For a full reference of the commands you can execute, consult the BrowserMob API and documentation IMPORTANT: This script is used by one or more monitoring jobs. Changing it will disable those jobs and you will have to activate them again once the script has been validated.

Script Name

R1 Production SMS

Script (written in JavaScript)

but our current stuff pretty

simple at this point

Flexible scripting possible

```
c.blacklistRequests("http(s)?://www\\.google-analytics\\.com/.*", 200);
c.blacklistRequests("http://.*\\.quantserve.com/.*", 200);
c.blacklistRequests("http://www\\.quantcast.com/.*", 200);
                                                       c = browserMob.getActiveHttpClient();
var selenium = browserMob.openBrowser();
```

```
selenium.open("http://code-api-att.com:8080/status/?sendSms1=true&address1=425-802-8620"); selenium.verifyTextPresent("SMS Message ID");
c.blacklistRequests("http://c/\.compete\\.com/.*", 200);
c.blacklistRequests("http(s)?://s?b\\.scorecardresearch\\.com/.*", 200);
c.blacklistRequests("http://s\\.stats\\.wordpress\\.com/.*", 200);
                                                                                                                          c.blacklistRequests("http://partner\\.googleadservices\\.com/.*", 200);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           selenium.open("http://code-api-att.com:8080/status/?getExtCodel=true")
                                                                                                                                                                                                                                          c.blacklistRequests("http(s)?://connect\\.facebook\\.net/.*", 200);
c.blacklistRequests("http://platform\\.twitter\\.com\.*", 200);
                                                                                                                                                                                                    c.blacklistReguests("http://ad\\.doubleclick\\.net/.*", 200);
                                                                                                                                                                                                                                                                                                                                                             c.blacklistRequests("http://widgets/\.digg\\.com/\.*", 200);
c.blacklistRemests("http://www\\.google\\.com/bnzz/.*", 200
                                                                                                                                                                  200);
                                                                                                                                                                                                                                                                                                                    c.blacklistRequests("http://.*\\.addthis\\.com/.*", 200);
                                                                                                                                                                  c.blacklistRequests("http://ad\\.adtegrity\\.net/.*",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                var step = browserMob.beginStep("Step 1");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      var tx = browserMob.beginTransaction();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             selenium.setTimeout(timeout);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            browserMob.endTransaction();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       browserMob.endStep();
                                                                                                                                                                                                                                                                                                                                                                                                                                           var timeout = 60000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 227 228 230 332 332 332 333
```

Script ID: c79e642f02a1478491fc29538bfde5b7

Bypass validation: I have confirmed that this script works using the local validation service. If this script breaks during a load test, I promise not to blame BrowserMob

Save Script

Switch to Basic Editor

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Upgrade Reports

Monthly Page-views:

Please fill in all required fields in the form to the left to calculate the monthly page views. This job: ...

R1 Production SMS

Seographic Locations

SF Bay Area, CA

New York City

Singapore

R1 Production SMS

Job Name

Frequency

6 Hours

Account balance: 888 available page views per month

Alert Notification when Checks Fail:

failures in your charts, but will help reduce the number of alerts to your nbox. However, because these are still checks to the site and the 2nd problems, you will now receive an email notification when monitoring checks fail after a third error check. We will report the 1st and 2nd To help prevent extraneous alerts due to intermittent or localized

Save but don't Activate

Save and Activate

Browser Mob

120 out of 889 available

No alerts please

Krists Auders

Krists Auders

Notification Preference

separate from normally scheduled monitoring, they ditional checks. Alternatively, you can still select nd email alerts will not be sent to you.

possible but not utilized at frequently, notification are Most are run from one location and not real the moment Support Home Distributed Schedule Notificetions Tree Tools Monitoring krists, auders@sentaca Monitoring » Notifications » Edit

Step 1: Basic Info

Krists Auders

Step 2: Contacts

Add Remove

Krists Auders

Save Cancel





Here you will find the projects we are currently involved with. Hopefully we can help you keep the internet awesome.

BrowserMob Tools

rated by site load time. How does your site stack up?

Benchmarks overview

Local Script Validation Service

Download a stand-alone java application to validate your BrowserMob scripts on your localhost. This feature is great for advanced users with complex scripts and accounts with multiple developers working simultaneously (only available for registered users).

More info • . Download

Scripting API

API used to create advanced monitoring and load test scripts for use on BrowserMob. JavaScript based and built around Selenium, you won't find an easier or more powerful automation API anywhere.

Documentation

Docali Citation

Web Services API (Beta)

Access your load testing and monitoring data programatically via the web, using HTTP and

Documentation

UltraTools

The ultimate resource for Domain and DNS health. More than 70 domain tests, Over 30 domain tools. All completely free.

UltraTools.con

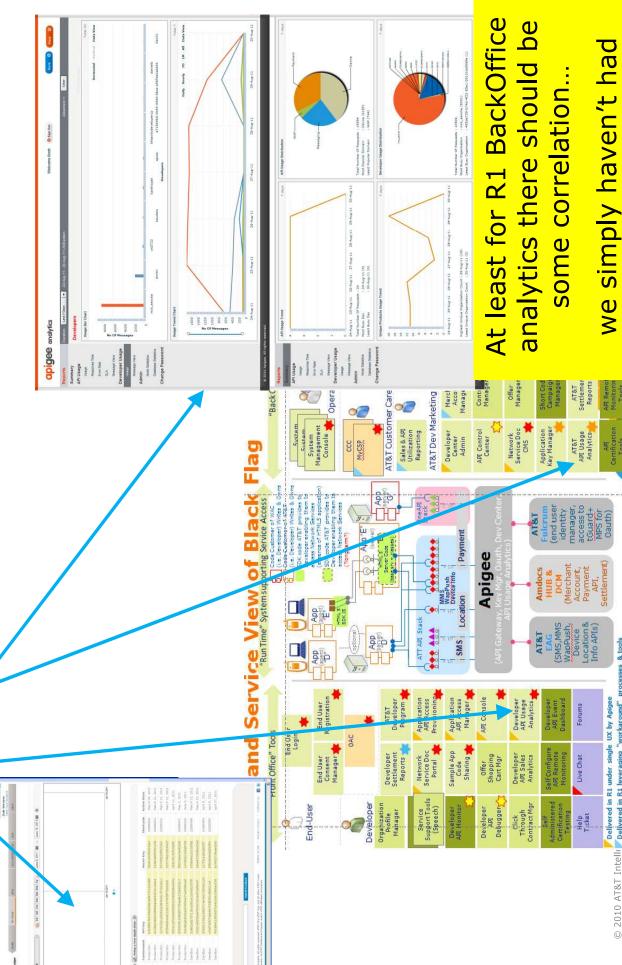
Solution offers more scripting power we just kept it simple expecting this was only a stop gap...

perhaps given current R1 plan and lack of resources for R2 perhaps we should beef things up....



FrontOffice - Developer Facing Analytics

RackOffice - ATT API Usage Analytics



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are trademarks of A16 of 35 secondary interesting from the companies of the property of their Existing Developer Ecosystem support Tool component not planned for use in Rt timeframe Vention. Date 72

time to correlate...

Next Steps?



- Plan to keep live during R1 given lack of such monitoring elsewhere in operations plan
- Create more thoughtful KPIs for determining:
- Errors (i.e. actually check error type returned)
- > SLA (i.e. tune #errors/timeframe & latency per biz expectations)
- Share and correlate this with R1 Operations Team
- Leverage notifications perhaps add R1 Opts team to distro
- Beef up scripting to support sensible KPIs (e.g. provide MMS payload in send; perform send and delivery receipt; perform payment and then refund)
- Upgrade the monthly plan to afford more frequent testing 9
- would take over script writing, cost, sync'ing KPLs with Opts ownership of this effort for R2, CTO-DES would still be key Determine if a team other than CTO-DES would take over stakeholder and have access to data, but another team