What is Event Monitoring

And Why Should I Care?

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Thanks to our Sponsors!

What is it?

- Lets you see granular details of user activity
- Type of Events
  - Login / Logout
  - URI (Web clicks in Classic)
  - Lightning
    - Errors
    - Interactions
    - Page Views
    - Performance
  - Apex
    - Callouts
    - Execution
    - SOAP
    - Trigger
  - APIs
  - More

How to get it

What's Included

Developer Edition (DE) orgs get all types with one-day retention

Enterprise, Unlimited and Performance Edition orgs get login and logout with one-day retention

What's Extra

For an extra cost you can access all types with 30 day retention

How to use it

- Query the `EventLogFile` object
- Download the `LogFile` URI
- Profit!

```
select LogFile
from EventLogFile
where EventType = 'ApexSoap' and
    LogDate = TODAY and
    Interval = 'Hourly'
order by LogDate desc
limit 1


/services/data/v37.0/sobjects/EventLogFile/0ATA0
000001ebICOAY/LogFile
```

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Caveats

- Only have hourly granularity
- Delay in data
- Downloaded data is in CSV
- So. Much. Data.

Making it easier

Event Monitoring CLI

https://www.npmjs.com/package/sfdc-eventmonitoring

A command-line tool to download and format Event Monitoring logs

Tad Viewer

https://www.tadviewer.com/

A desktop application for CSV data

JQ

https://stedolan.github.io/jq/

Command-line JSON processor

You still haven't told me why I should care

Login Frequency
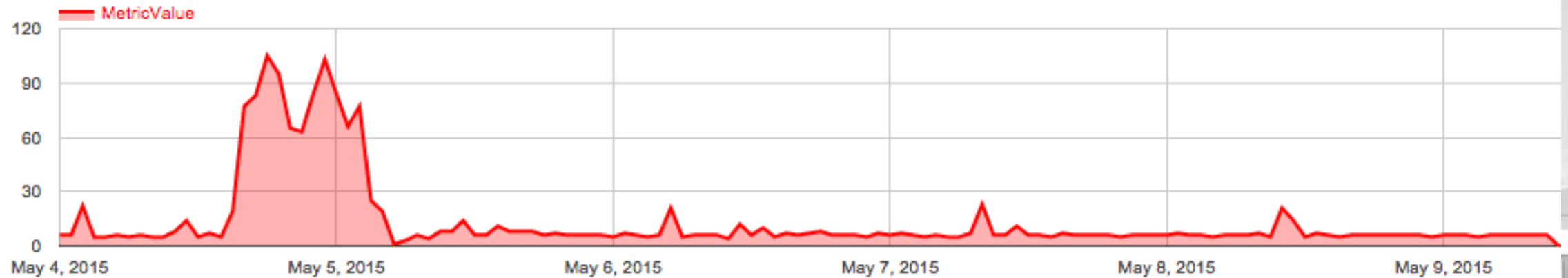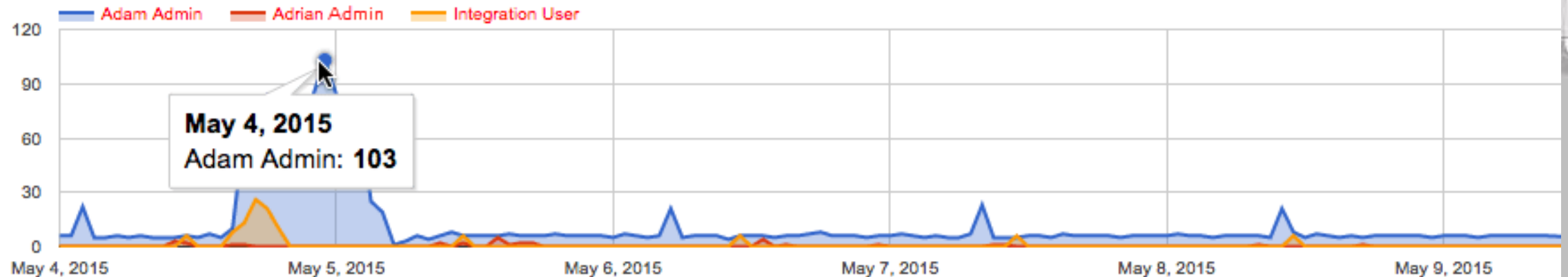
Old Login Versions

Version	Username	Count
8	utility@api.example.com	60
19	automationuser@example.com	228
29	scriptkiddie@api.example.com	60
29	anotherautomationuser@example.com	1

API Usage & Performance Tuning

```
User: Script Kiddie - scriptkiddie@example.com - 005A000000abcdg
Total API Calls: 2,084
```

Endpoint	Count
ProductAPI.listVersions	2046
ProductAPI.listEntitledProducts	20
InternalAPI.upsertCaseComment	10
ProductAPI.listProducts	8

Long Running Reports

Name	Id	Count	CPU Time	Run Time	DB Time	DB CPU Time	Row Count
DELETE FROM YOUR DASHBOARD	00OA0000004abcd	1	1.9s	12s	10.9s	10.7s	1243006
Case Comment Report	000A0000006abcd	1	643ms	29.8s	29.2s	1.4s	4394
00OA0000006efgh	00OA0000006efgh	1	539ms	8s	7.5s	970ms	4613
00OA0000006ijkl	00OA0000006ijkl	1	503ms	7.9s	7.5s	1.6s	16624
00OA0000006mnop	000A0000006mnop	3	487ms	2m 25.9s	2m 24.9s	2m 22.7s	NaN

Slow Loading Visualforce Pages
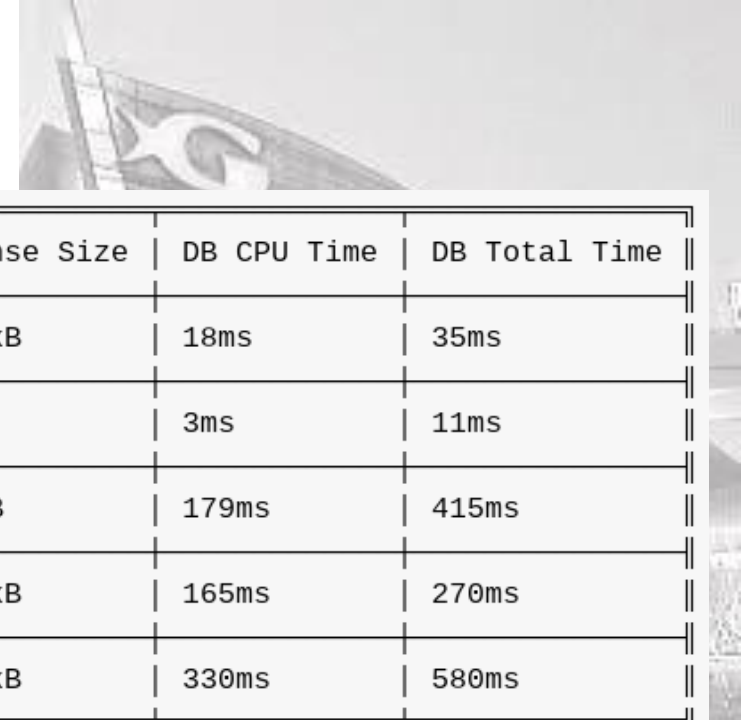
URI	Count	CPU Time	Run Time	View State Size	Response Size	DB CPU Time	DB Total Time
/apex/CaseTag	2951	229ms	286ms	20.5 kB	65.5 kB	18ms	35ms
/apex/Chat_Hidden	1739	11ms	25ms	0 B	105 B	3ms	11ms
/apex/Case_View	1529	901ms	1.7s	39.8 kB	241 kB	179ms	415ms
/apex/NegotiatedEntitlementProcess_View	216	177ms	467ms	8.03 kB	22.1 kB	165ms	270ms
/apex/Case_Edit	172	649ms	1.3s	7.16 kB	63.1 kB	330ms	580ms

New Relic Insights

REST Runtime
Since 05 Mar 19:00 EST

ENTITY NAME	METHOD	MIN RUN TIME	MAX RUN TIME	AVG RUN TIME
LoginGeo	GET	6	334	9.32
EventLogFile	GET	8	5,250	142
User	GET	8	202	11.29
CaseHistory__c	GET	11	210	15.93
Case	GET	14	2,418	58.96
Case_Comment__c	GET	18	1,817	27.26

REST Calls User
Since 05 Mar 19:00 EST

Rest Apis

16.7 K	____s@redhat.com
13.2 K	w____r@redhat.com
12 K	___ ____n@redhat.com.gss
6.72 K	b____y@redhat.com.api
564	____e@redhat.com
340	____i@redhat.com
237	____n@redhat.com
60	____t@api.redhat.com
32	____r@api.redhat.com
6	____e@redhat.com

Visualforce Run Times
Since 05 Mar 19:00 EST

PAGE NAME	HTTP METHOD	MIN RUN TIME	MAX RUN TIME	AVG RUN TIME
/apex/Case_View	GET	6	102,359	1,307
/apex/bomgar__Bomgar_RequestSession	GET	8	4,229	658
/apex/Chat_Hidden	GET	10	1,586	14.05
/apex/bomgar__Bomgar_WebView	POST	16	10,186	4,445
/apex/chathidden	GET	16	16	16
/apex/Chat_PostWindow	POST	18	81	27.3

Visualforce Count
Since 05 Mar 19:00 EST

Visualforce Requests

483	____r@redhat.com
452	____a@redhat.com
429	____a@redhat.com
390	____i@redhat.com
367	____a@redhat.com
343	____a@redhat.com
315	____t@redhat.com
291	____a@redhat.com
291	____a@redhat.com
288	____t@redhat.com

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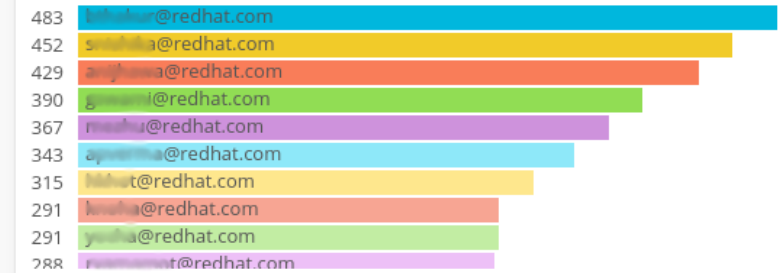
Stop. Demo Time!

Learn More

 https://trailhead.salesforce.com/modules/event_monitoring

 https://www.npmjs.com/package/sfdc-eventmonitoring

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