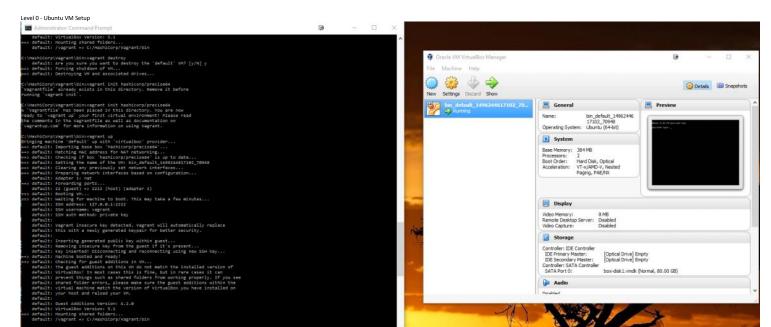
Exercise Answers

Friday, June 2, 2017 1:29 PM



Level 1 - Collecting Data

Host Tags

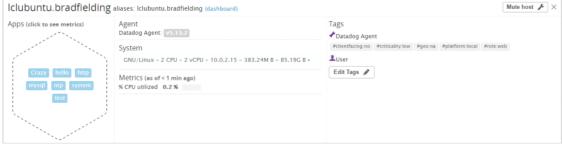
Ubuntu

```
# Force the hostname to whatever you want. (default: auto-detected)
hostname: lclubuntu.bradfielding

# Enable the trace agent.
# apm_enabled: false

# Set the host's tags (optional)
| Tags relevant geome criticality for clientfacing no platformiles.
```

Host tags in the DataDog application



Windows Tags in host config file

22
23 # Force the hostname to whatever you want. (default: auto-detected)
24 hostname: gpewinserver.bradfielding
25
26 # Set the host's tags (default: no tags)
27 tags: role:ad, geo:asiapac, criticality:high, clientfacing:no, platform:gpe

Host tags in the DataDog application



MySQL Integration
Agent Check showing MySQL success

```
matt_random (5.13.2)

- instance $0 [OK]
- Collected 1 metric, 0 events & 0 service checks

http (5.13.2)

- instance $0 [OK]
- instance $1 [OK]
- instance $2 [OK]
- Collected 1 metric, 2 events & 0 service checks

network (5.13.2)

- instance $0 [OK]
- Collected 15 metrics, 0 events & 0 service checks

crazy meter (5.13.2)

- instance $0 [OK]
- Collected 15 metrics, 0 events & 0 service checks

mysql (5.13.2)

- instance $0 [OK]
- Collected 16 metrics, 0 events & 0 service checks

mysql (5.13.2)

- instance $0 [OK]
- Collected 16 metrics, 0 events & 1 service check

Dependencies:
- pymysql 0.6.6.None

ntp (5.13.2)

- instance $0 [OK]
- Collected 0 metrics, 0 events & 0 service checks

disk (5.13.2)

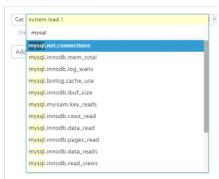
- instance $0 [OK]
- Collected 32 metrics, 0 events & 0 service checks

hello (5.13.2)

- instance $0 [OK]
- Collected 32 metrics, 0 events & 0 service checks
```

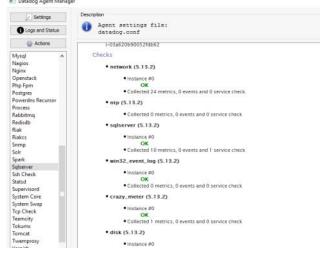
DataDog App showing available MySQL metrics

Choose metrics and events

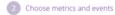


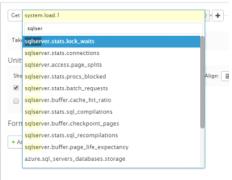
MS SQL integration Agent Info Showing success

Datadog Agent Manager



DataDog application showing available SQL metrics





Custom Agent Check
Check named - matt_random

```
- instance #0 [OK]
- instance #1 [OK]
- instance #2 [OK]
- Collected 1 metric, 2 events & 0 service checks
- instance #0 [OK]
- Collected 15 metrics, 0 events & 0 service checks
   instance #0 [OK]
Collected 168 metrics, 0 events & 1 service check
Dependencies:
- pymysql: 0.6.6.None
```

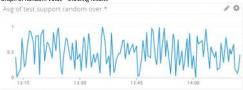
Script Source

import random import random from checks import AgentCheck class MattCheck(AgentCheck): def check(self, instance): self.gauge('test.support.random', random.random())

Script Config

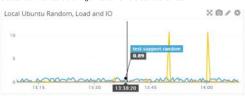
init_config: min_collection_interval: 20

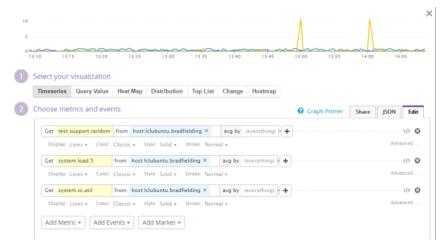
Graph of Random Value - showing results



Level 2 - Visualizing Data

Created basic Dashboard showing 3 metrics from the local ubuntu host





Box around graph at higher than .9



Emailed result of same annotation

BDATADOG

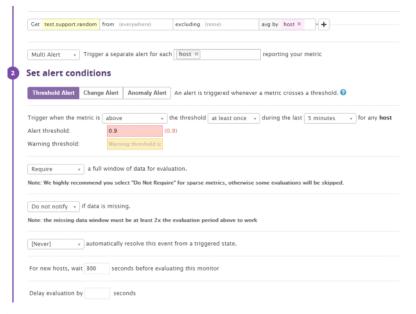
Matthew A. Bradfield (@bradfield.matt@gmail.com) mentioned you in a comment:



To manage your Datadog subscriptions, click here.

Level 3 - Alerting on your Data

Monitor to notify of random metric going over .9. Created as multi-alert to trigger by each host. Included conditional formatting so Alert and Alert Recovery have different messages



Say what's happening

{{host.name}} Concerning Crazy level

Markdown supported

Use message template variables @

Too much crazy in {{host.name}}

Is host client facing {{host.clientfacing}}

Platform {{host.platform}}

{{#is_alert}}1) check to see is service interruption for host provider}{{/is_alert}}

{{#is_alert}}2) Identify any affected services running on the host.{{/is_alert}}}

{{#is_alert}}4) If host is client facing email all affected users and prepare for failover{{/is_alert}}}

{{#is_alert}4} If host is not client facing, email owner and monitor for 2 hours per SLA{{/is_alert}}}

Service: Select or add related service

[Never] renotify if the monitor has not been resolved.

Notify your team

Do not restrict + editing this monitor to its creator or administrators

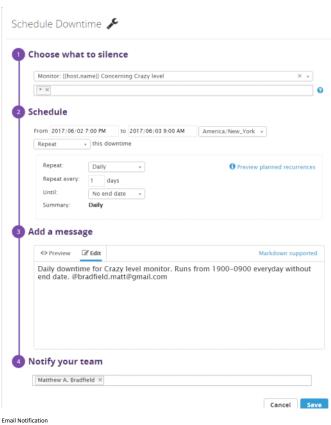
Notification Received when alert was triggered

Notification received when alert was recovered

EDATADOG



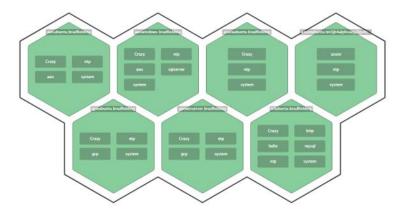
Scheduled Downtime



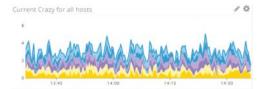


Additional Steps Complete

Deployed Ubuntu and Windows Server to Google Cloud Platform, AWS and Azure, deployed agents to all machines. Updated tags and hostnames appropriately for all



2) Created a 'Crazy_Meter' agent check and configured it on all of the hosts successfully



- 3) Configured Integrations for

 - a. Azure
 b. AWS
 c. GCP
 d. SQL Server
 e. MSFT Event Viewer
 f. Azure SQL DB

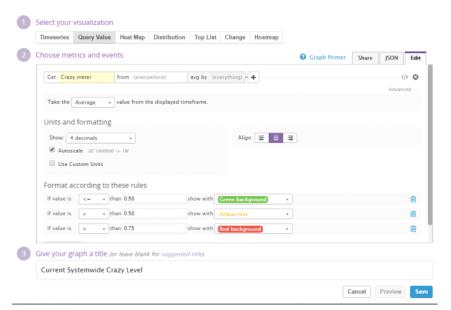
4) Created a number of different graphs on a 'Crazy Meter' dashboard.

https://app.datadoghq.com/dash/297649/crazy-meter?live=true&page=0
&is_auto=false&from_ts=1496425260196&to_ts=1496428860196&tile_size=m

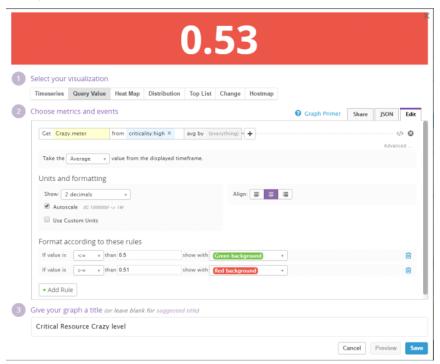


Dashboard includes a number of different data types/representations including a. Current average crazy level across all reporting hosts

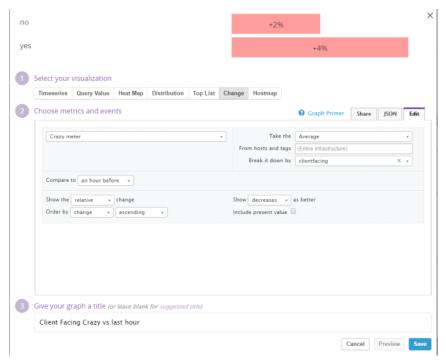
0.5195



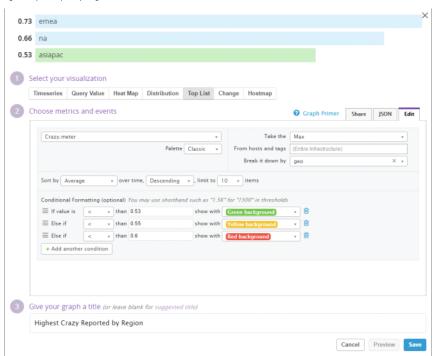
b. Current Crazy level on all 'critical' hosts



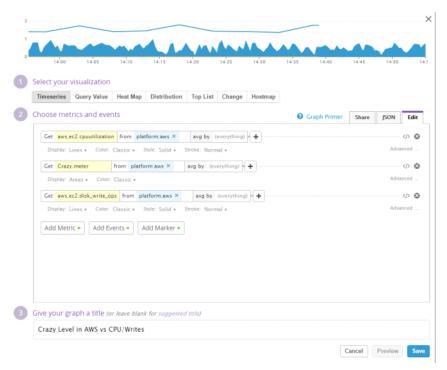
c. Change in crazy value over last hour broken down by client facing vs. non-client facing hosts



d. Highest crazy value reported per region



e. Crazy level in AWS hosts vs. CPU and number of writes for AWS hosts



f. Creating graphs and using appropriate tagging to automatically ensure new hosts are added to the appropriate visualizations

