EMEA DevXchange 2017

Hands-On Lab: Advanced Techniques for Using the New CA Agile Operations Analytics Platform

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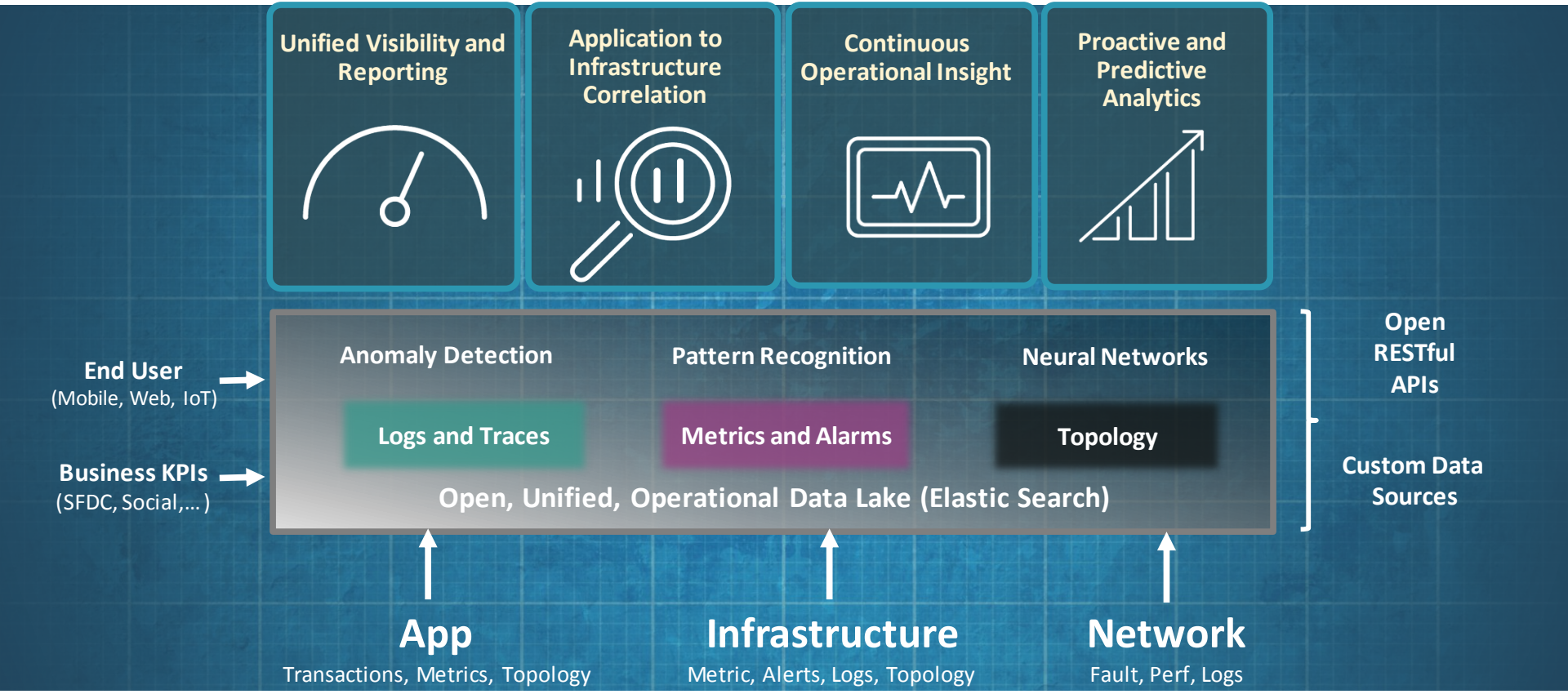
Analytics Platform and Solution Areas



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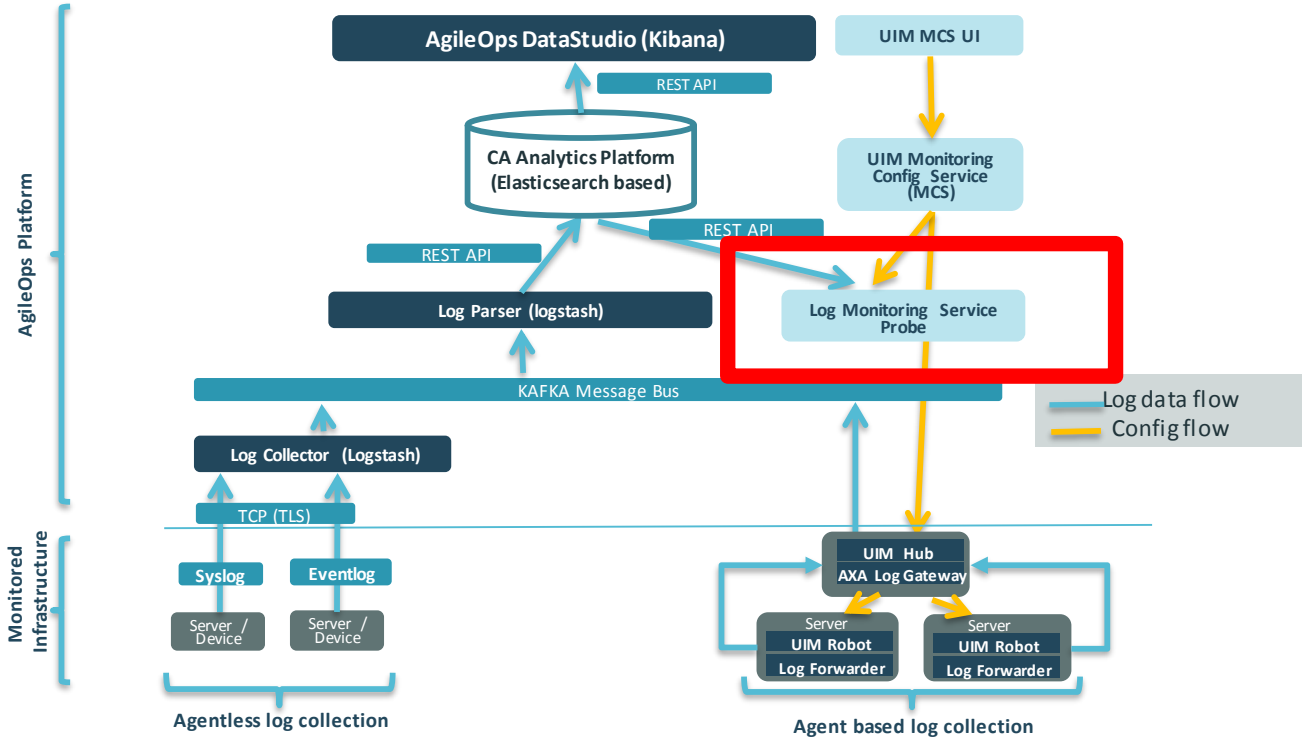
Lab Exercise 3 – Log Monitoring Service
Continuation of "Introduction to Analytics" Session



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Lab Exercise 3 – Alarming from Log Events
Match Errors

- Create some errors
  - In the CA Spectrum tab in Chrome, log in (Administrator / CAdemo123)
  - Click around a few times on the tabs across the top to gen traffic
- Look in Data Studio for events matching the criteria
  - Click on Discover Tab
  - Select the "…*_logs_*…" index
  - In Query search bar enter: **response_code:[400 TO *]**
  - Optionally filter on **host** and/or **logtype**

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Lab Exercise 3 – Alarming from Log Events

- Configure CA Unified Infrastructure Management Log Monitoring Service
  - Config workflow
    - In Chrome go back to the CA UIM Portal tab
    - Under “Actions” select “Admin Console”
    - Select “Robots” then click “UIM”
    - Select “Probes”
    - Scroll down to “log_monitoring_service” probe
    - Click on the “three dots” icon and choose “Configure”
    - Now click the “three dots” and select “Add New Profile”

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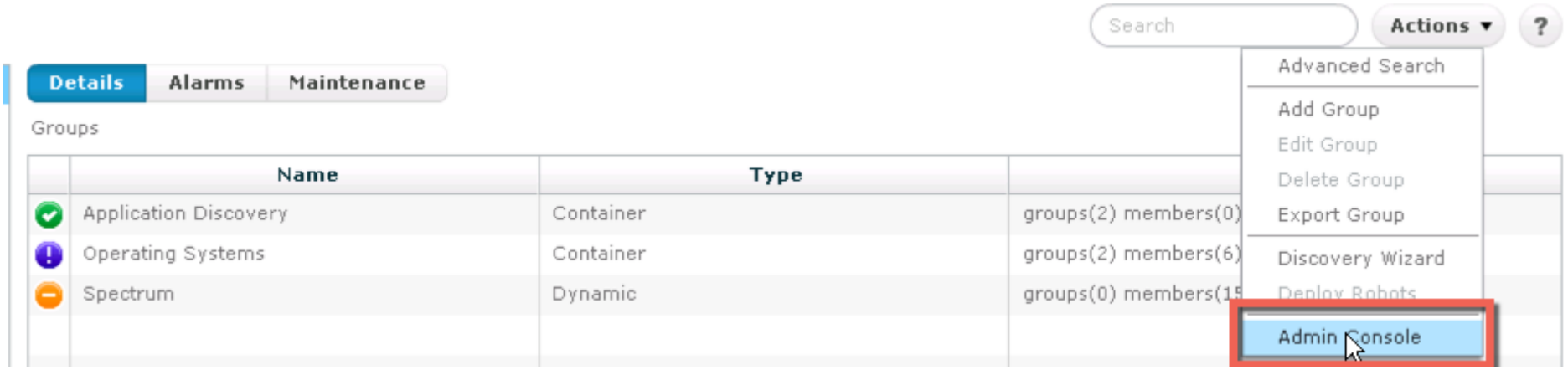
CA UIM Admin Console



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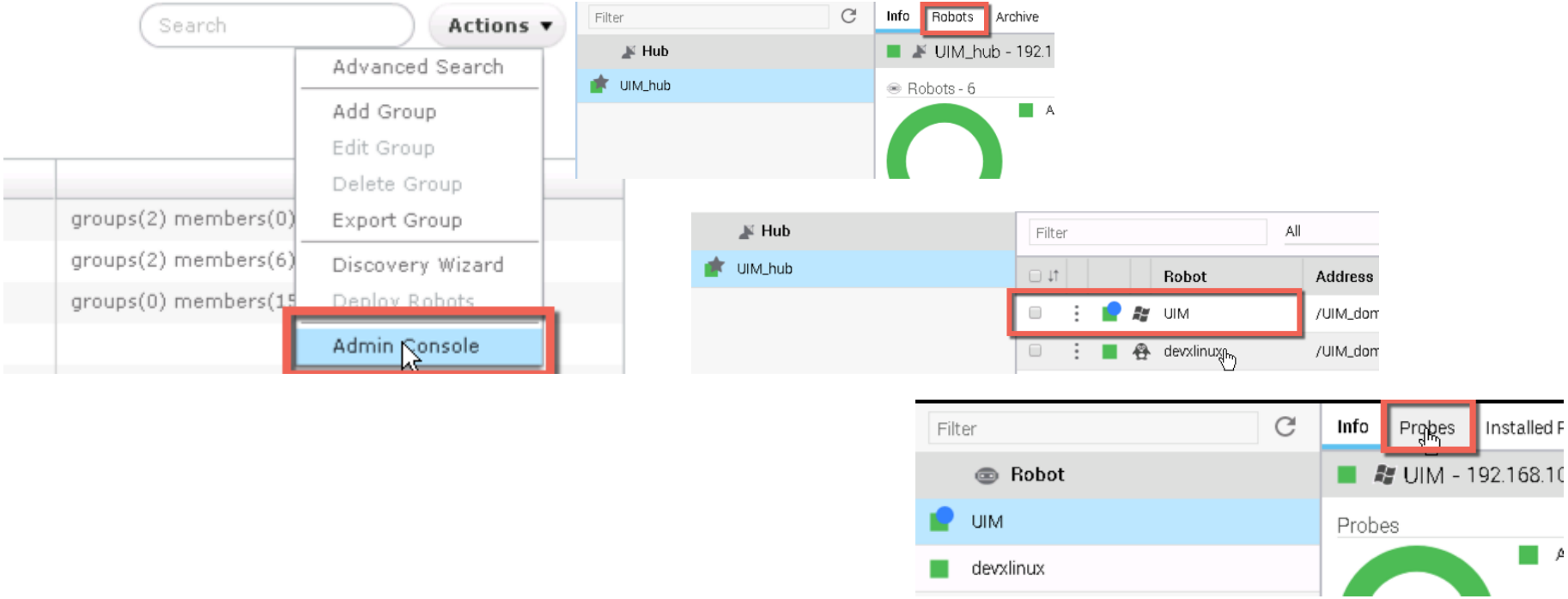
Navigating to the Probe in Admin Console



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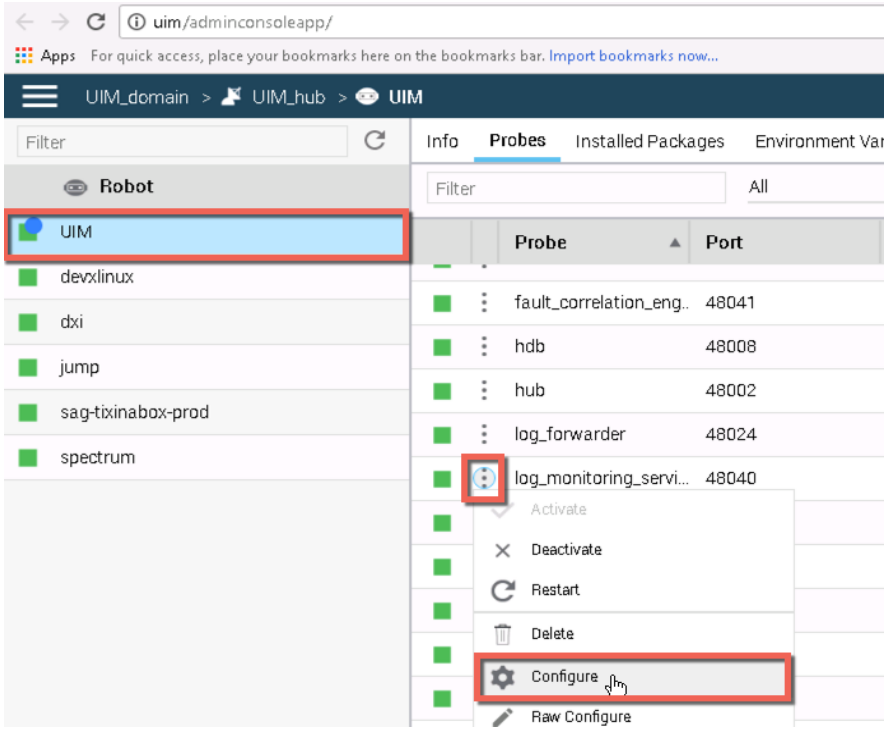
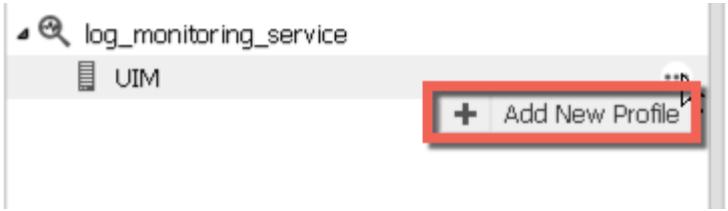
Configuring Log Monitoring Service





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Lab Exercise 3 – Alarming from Log Events

- Complete the profile with these values:
  - Profile Name: **tomcat_client_errors**
  - Active: checked
  - Query Interval: **60 seconds**
  - Log Type: **tomcataccess**
  - Query String: **response_code:[400 TO *]**
  - Match Alarm Severity: **MINOR**
- Click “Submit” and then “Save”

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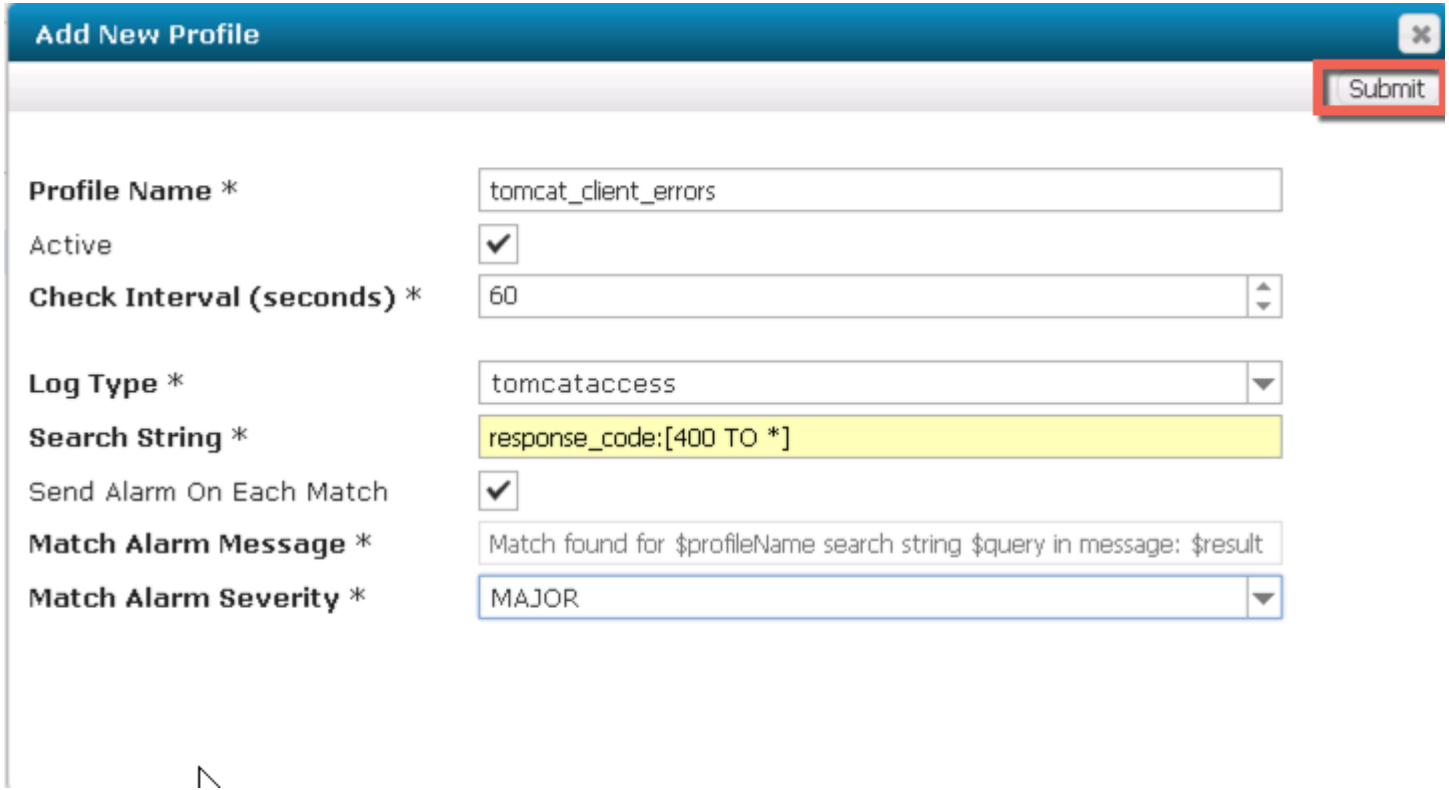
Adding a Log Monitoring Service Profile



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Lab Exercise 3 – Alarming from Log Events

- Look in CA UIM Portal for alarm after 1-2 minutes
  - Click the Launch in Context icon of the alarm and choose “Log Analytics” to launch directly from CA UIM back to the Dashboard view
- View Alarms in CA Spectrum
  - Go to CA Spectrum tab in Chrome
  - Click “Start Console” to launch OneClick console
  - Sort descending on Date/Time to see in alarm
  - Optionally Launch in Context back to Data Studio

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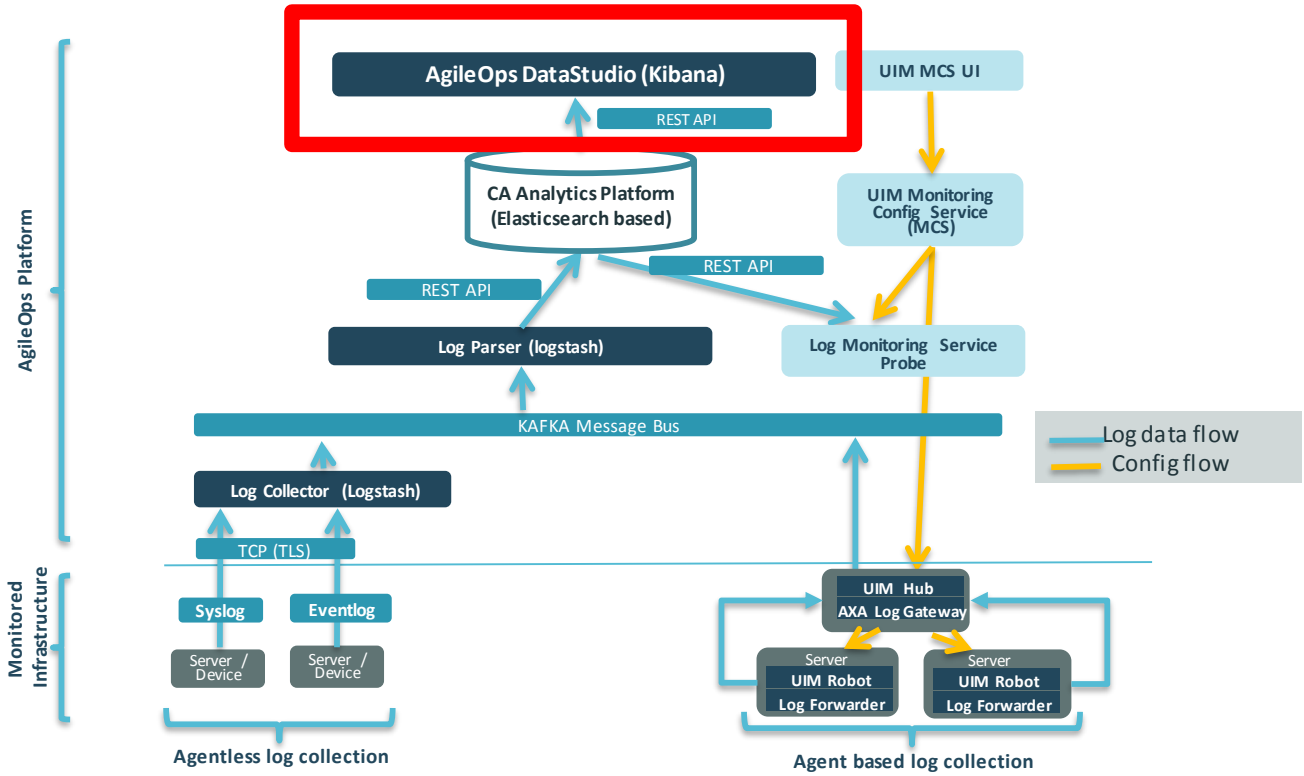
Lab Exercise 4 – Custom Dashboards



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Lab Exercise 4 – Custom Dashboards

- Create a new Visualization
  - Click “Visualize” tab
  - Select “Add a Line Chart”
  - Select “….. axa_*_logs_*
  - Y-Axis (Use down-arrow on left to expand)
    - Aggregation: Average
    - Field: Response time

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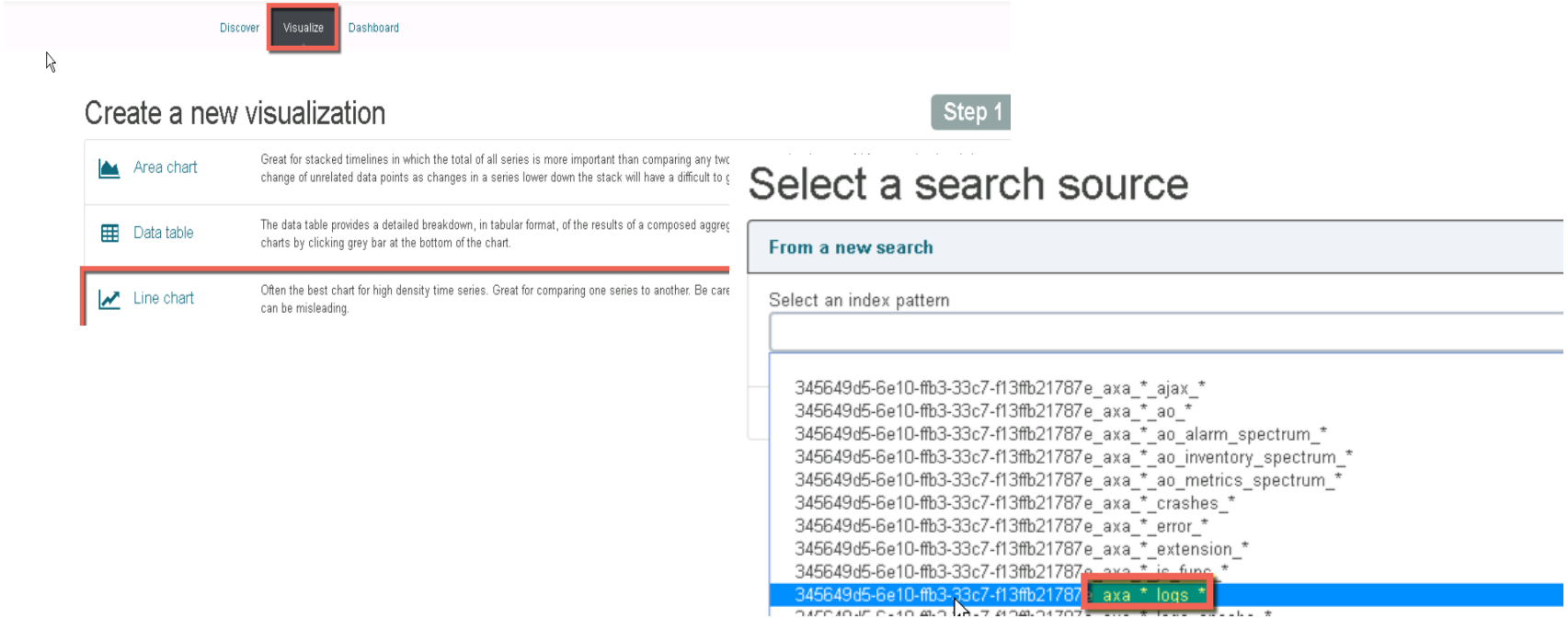
Custom Dashboards
Creating a Visualization



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Lab Exercise 4 – Custom Dashboards

- Create a visualization (cont.)
  - X-Axis
    - Aggregation: Date Histogram
    - Add Sub-buckets
  - Select “Split Lines”
    - Aggregation: **Terms**
    - Field: **Host**
  - Click on green “Play” button to view some results
  - Click the “Save” icon in the upper right of the search bar

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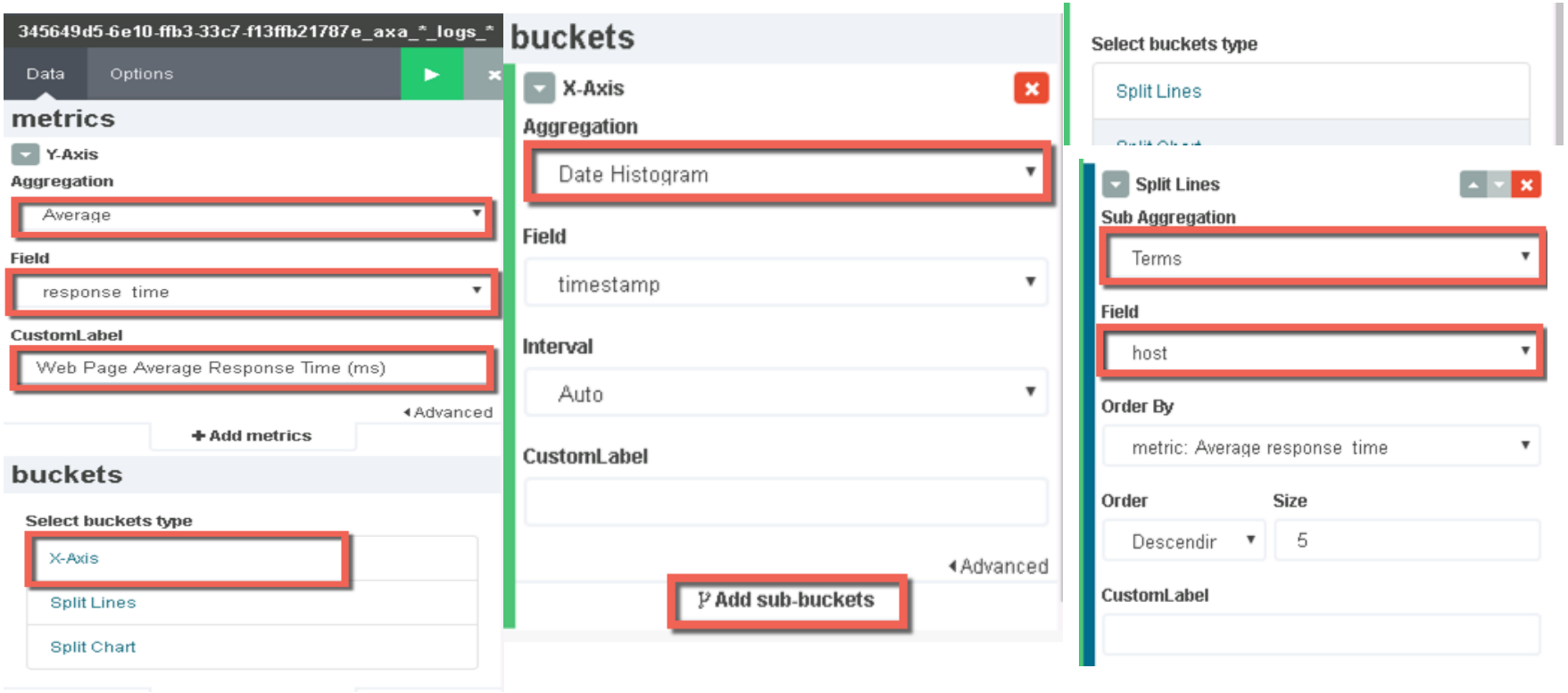
Visualization Details – Web Page Response Time



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Lab Exercise 5 – Java Log4j Logs

- Deploy log4j Log Forwarding profile from CA UIM
  - In UMP, navigate to “DXI” host and click “Monitoring” tab
  - Select “Log Forwarding log4j” Click on “+” to add profile
  - Use the following settings:
    - Profile Name: **aoap_mdo**
    - Tags: **java,log4j,aoap**
    - File: **/opt/ca/aoap/logs/ca-mdo-server-log.txt**
    - Log Type: **log4j** (should already default)
  - Notice the OOB MCS Template settings
  - Click “Create” to create the profile

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What Questions Do You Have?

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THANK YOU!

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