QualityNet Operations Dashboard (QNOD) v5.4

Affected Customers: QNOD CMS Executive Users

On Friday, August 26, 2022, at 8 p.m. ET, we will be releasing a new version of our QualityNet Operations Dashboard (QNOD). This release will cause QNOD to be unavailable until 10 p.m. ET.

Why is this release happening?

New versions of QNOD are released each sprint to ensure that QNOD users have continued access to the latest product features and enhancements as well as fixes to any issues that have been resolved.

What are some of the enhancements included in the upgrade?

Users can expect the following new functionality with this release as well as fixes and/or security patching.

New Feature(s):

- Onboarding for Service(s):
  - EQRS Scoring and Feedback
    - Synthetics – Determines the availability of the QMARS application; Duration and Success Percent are the two KPIs ingesting into QNOD.
    - Application – Onboarded KPIs: Web Transaction Time, Read/Write Latency, Transaction Throughput.

- - - Compute – Onboarded KPIs: CPU, Memory, Disk, Read/Write IOPS for the service's Infrastructure.
  - o MAT
    - - Application – Onboarded KPIs: Application Web Transaction Time, Error Rate, and Transaction Throughput; RDS Connections and Read/Write Latency.
    - - Compute – Onboarded KPIs: EC2 CPU, Memory, and Disk; RDS CPU, Memory, Disk, and Read/Write IOPS; ECS CPU and Memory.
    - - Network – Onboarded KPIs: ALB Requests and Active Connections.
  - o QMARS
    - - Synthetics – Add Legacy synthetics. Determines the availability of the QMARS application; Duration and Success Percent are the two KPIs ingesting into QNOD.
    - - Network – Onboarded KPIs: ALB Active Connections, ALB Processed Bytes, and ALB Request Count.
  - o QSEP
    - - Application – Onboarded KPIs: Web Transaction Time, Read/Write Latency, Transaction Throughput, Processes Count, and Application Error Rate.
    - - Compute – Onboarded KPIs: CPU, Memory, Disk, Read/Write IOPS for the service's Infrastructure.
    - - Network – ALB Request Count, ALB Avg. Healthy Host Count, ALB Response Time, Nginx Requests Per Second, Nginx Active Connections, Nginx Connections Waiting.
- Machine Learning Enablement – 30 Minute Uptime Prediction for the following service(s):
  - o Jenkins and Splunk:
    - - This AI/ML capability with deep learning models provides the service owner with a look ahead of 30 minutes into the future for any potential issues at the KPI level for the Confluence service, with an 86% confidence level in this prediction. This gives service owners an opportunity to investigate their service and look for potential issues.

Performance Improvements:
- Removed the additional components involved in data transfer between data collection and data storage layers. Also removed the additional components between data processing and data storage layers. This has resulted in significant improvements in performance and will enable quicker restoration compared to the current process. This will also reduce the downtime during deployments to 1–2 minutes compared to current 10–15 minutes.
- Multiple orgs. within the Influxdb data are merged into one for better visibility and testing within the data storage layer.

Known Issue(s):

- Time picker for service drilldown dashboards has been temporarily disabled to address possible issues with system stability.

The release notes from v5.3 to v5.4 can be found in [Confluence](). Once you are in the Confluence page, click on the **Release Notes** tab at the top of the page.