CONFIGURATION GUIDES › NODE.JS, PHP, GO & COBOL

COBOL Monitoring with Applicare

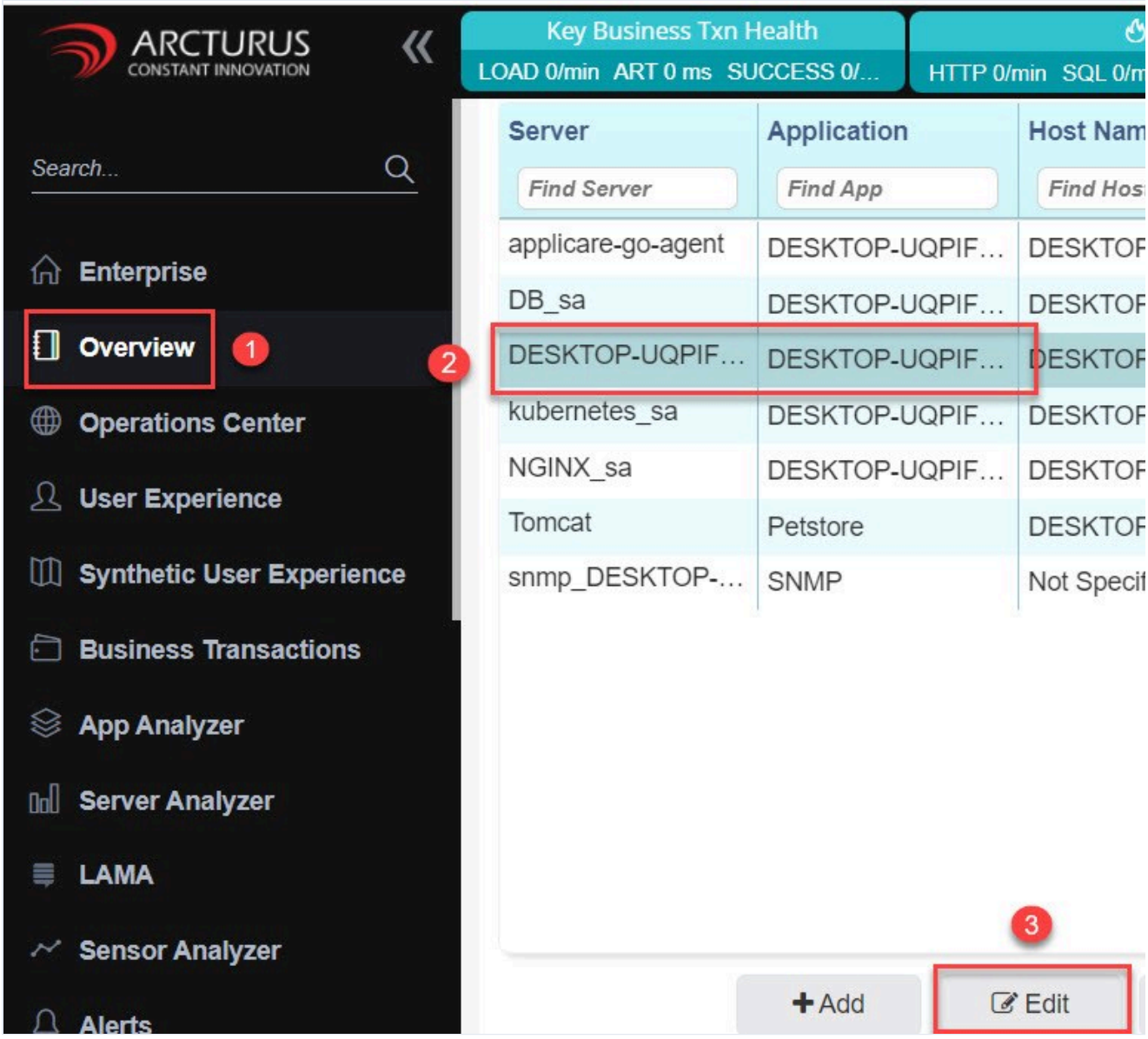
Applicare 9.2 · Updated September 24, 2024 · cobol · **Pending technical review**

COBOL monitoring is especially important for maintaining the health, performance, and security of COBOL-based systems, which often serve as the backbone for mission-critical applications in industries like finance, insurance, and government.

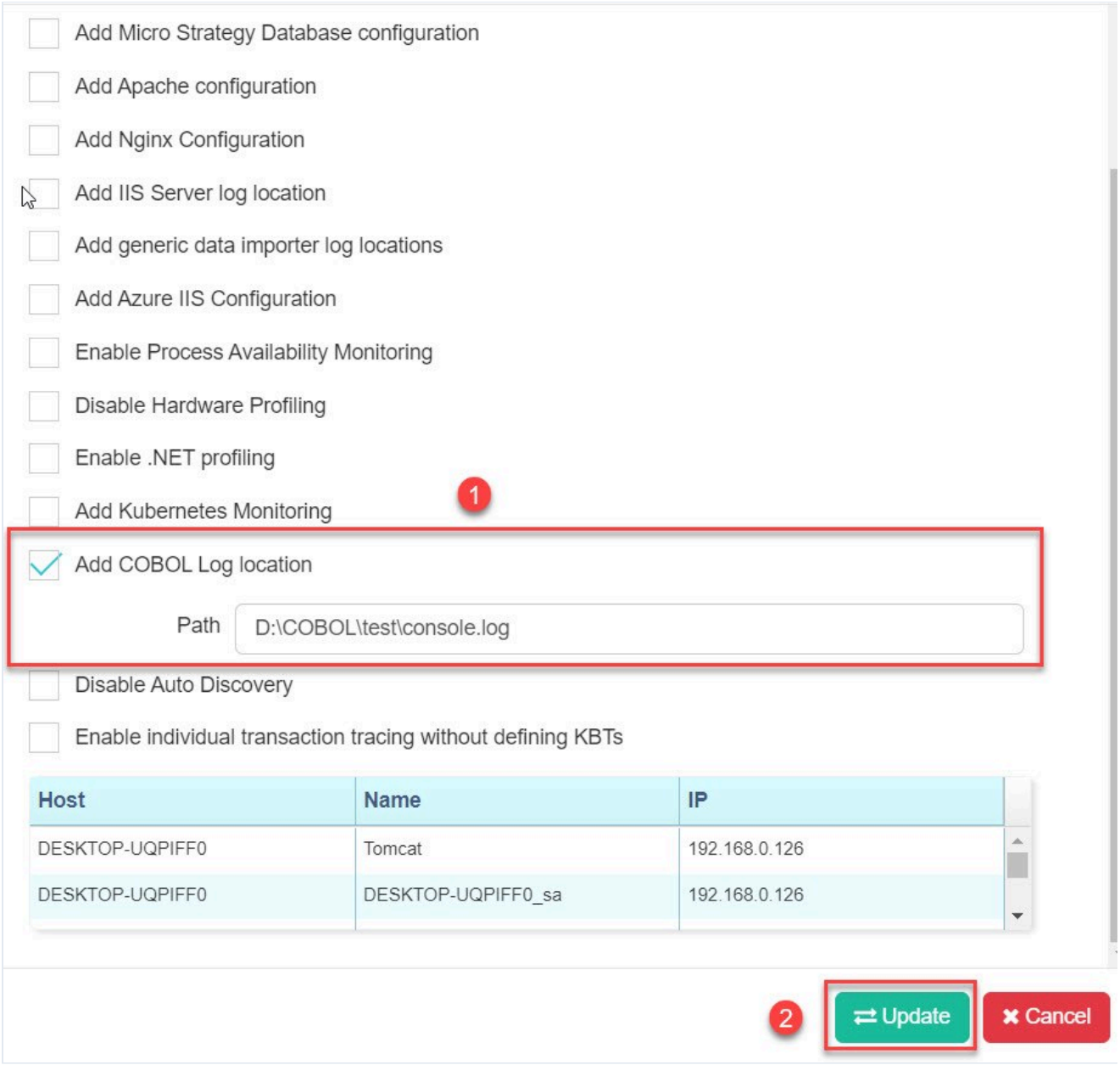
Applicare doesn't require any adjustments to COBOL applications. It pulls in the logs generated by COBOL applications and gathers transactions data from them.

Configuration for the COBOL Log monitoring in Applicare

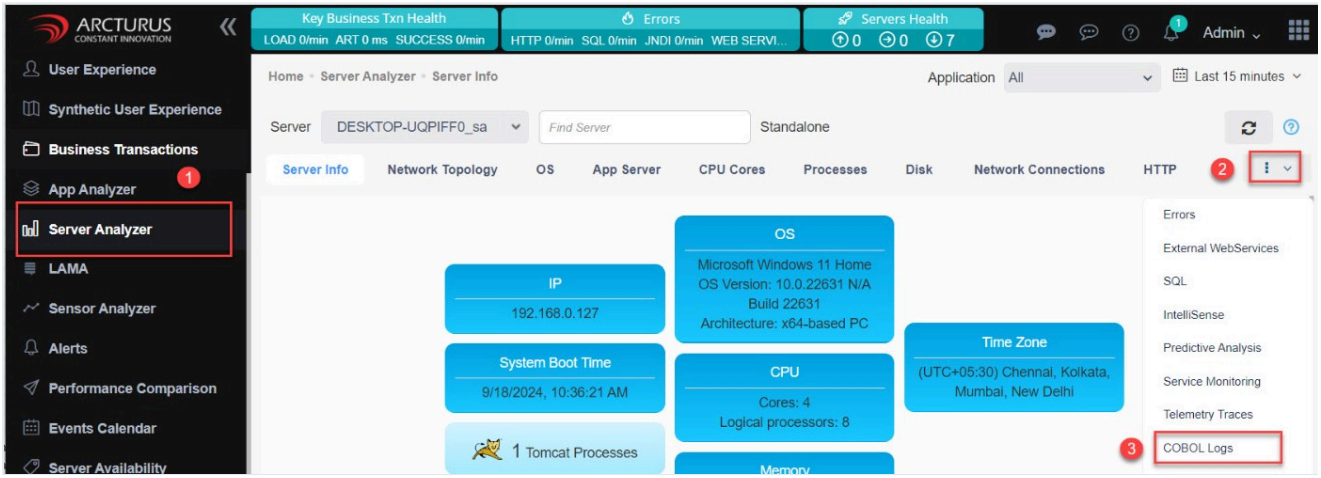
1. Go to the **Overview** menu and select the **server** and click the **Edit** button.

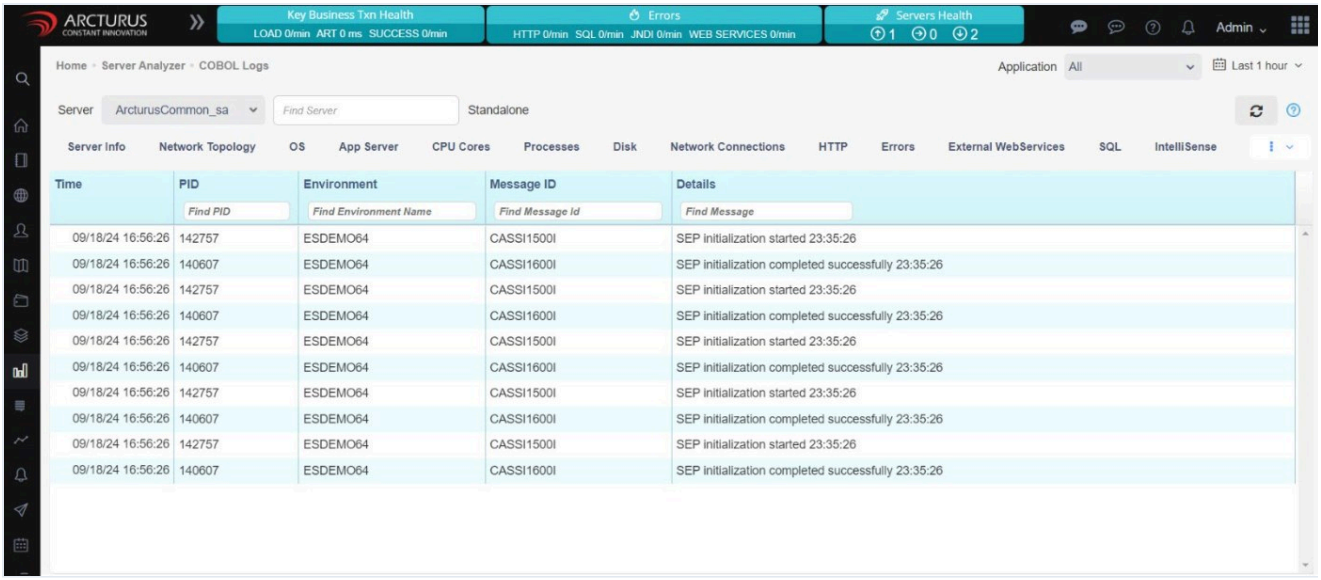


2. Enable the **Add COBOL Log Location** checkbox and enter the log file path and click the **update** button.



3. Go to the **Server Analyzer** menu and select the **COBOL Logs**.





Why COBOL Monitoring with Applicare?

1. Error Detection and Troubleshooting Applicare provide detailed information about errors and exceptions that occur during the execution of COBOL programs. Monitoring the COBOL logs in real time helps detect issues early, allowing teams to quickly troubleshoot and resolve problems before they escalate into larger failures.

2. Performance Analysis Allows teams to identify performance bottlenecks, slowdowns, and inefficiencies, enabling optimizations that ensure smooth operations.

3. Compliance and Security COBOL systems frequently handle sensitive information, especially in sectors like banking and healthcare. Applicare COBOL log monitoring is essential for tracking access, changes to data, and unauthorized activities. This is crucial for ensuring compliance with industry regulations and maintaining system security through audit trails and anomaly detection.

4. Root Cause Analysis When issues arise, historical logs are essential for performing root cause analysis. Applicare COBOL log monitoring provides access to historical data that can help teams trace the cause of failures or inefficiencies, identify which part of the system was impacted, and determine the best course of action for resolution.

5. Business Continuity and Uptime Applicare monitoring ensures that the COBOL systems, which often support critical business operations, continue to run smoothly. Any significant issue that impacts uptime, such as job failures or resource exhaustion, can be quickly identified through logs, ensuring minimal disruption to business processes.

6. Audit and Accountability Applicare COBOL log monitoring helps in keeping a detailed record of activities within COBOL systems, including who accessed what and when. This supports both internal auditing and regulatory compliance, ensuring that all activities are traceable and transparent.

7. Security Incident Detection Applicare monitoring is key to identifying security breaches or attempts at unauthorized access. By continuously tracking login attempts, changes to system configurations, or unusual behavior in the COBOL system, it becomes easier to detect and respond to security threats in real-time.

8. Support for Legacy Systems Transition If an organization is modernizing or migrating away from COBOL-based systems, log monitoring helps ensure a smooth transition by providing insights into current operational patterns. Understanding how the COBOL system behaves through its logs makes it easier to map requirements for new systems or monitor the migration process.

In summary, Applicare plays a crucial role in ensuring system stability, security, and performance. It enables organizations to quickly detect and address issues, maintain compliance, and support ongoing modernization efforts, while minimizing the risk of downtime or data breaches.