

CUSTOMER SUCCESS STORY

Global Health Service Company



OVERVIEW

A Global Health Service Company (GHSC) is managing an enterprise-wide DevOps initiative that includes mainframe applications teams.

BUSINESS CHALLENGE

The GHSC wanted to execute COBOL source code security and syntax checking for every mainframe product release from its claims processing team. The company performs security and code syntax scans on their distributed and mobile apps and needed to duplicate that process for the mainframe teams.

The company also needed the ability to manage mainframe and distributed code releases in a similar manner. This would provide quick feedback of issues to development and give management a common dashboard (SonarQube) for analyzing application code quality. These scans are critical for Continuous Integration practices for the enterprise DevOps effort.

SOLUTIONS

The mission-critical claims processing application is large, comprising COBOL, batch, IMS/DB/DC and Db2. During a Topaz POC in early 2017, Compuware demonstrated to the GHSC team how a Jenkins plugin can extract released COBOL source from the application to a SonarQube server for security scanning with HP Fortify and syntax scanning with the SonarQube for COBOL plugin.

A DevOps specialist and a consultant from the GHSC worked with Compuware Product Manager Steve Kansa and Field Technical Support representative Andy Jepeal to implement the Compuware Source Code Download plugin along with the Topaz CLI on the Jenkins server where the SonarQube and HP Fortify scans are executed and reported to a SonarQube dashboard. Steve assisted in the development of the Jenkins pipeline scripts necessary to perform these extracts.

RESULTS

As COBOL code changes are checked into the Endeavor QA level for the application, a Jenkins pipeline is executed. This pipeline downloads any program that has been changed and performs the HP Fortify and SonarQube code scans.

Developers and managers know the next day if there are any issues and can take appropriate actions. Code below quality standards is automatically prevented from moving into QA or higher.

The claims processing team is now integrated into the DevOps Continuous Integration practices at this GHSC.