**BMC Compuware Hiperstation**

**Improve application quality with automated load and performance testing**

**PRODUCT DESCRIPTION**

BMC Compuware Hiperstation automates load and performance testing to help DevOps teams reduce time-consuming manual tests. With Hiperstation, you can ensure mainframe applications are thoroughly tested and delivered while safeguarding superior performance, scalability, and reliability.

**BUSINESS CHALLENGE**

Developers, testers and architects need a way to verify that an application performs well under high work load before deploying changes to production. This requires the ability to execute repeatable load and performance tests to ensure that performance is not impacted by changes in the application. Without load and performance testing tools, bad coding practices and architectural decisions might get into production and affect the user experience.

**BMC SOLUTION**

BMC Compuware Hiperstation provides automated load, performance, and regression testing capabilities that help DevOps teams ensure applications meet production performance and reliability criteria.

Hiperstation records actual application activity and captures data streams on test or production systems flowing through the mainframe, including from other platforms. It also replays and reports application activity as well as creating automatable scripted tests that replay functions in unattended mode, so you can perform more test iterations in less time.

**KEY FEATURES**

- Create automated, consistent, repeatable regression, and performance tests representing application business requirements
- Conduct pre-production performance testing for applications and systems software
- Analyze test results in which all application response differences are identified
- Thoroughly document mainframe application testing results
- Simulate server application responses during a user interface test
- Test operating system, language environment, or subsystem changes
- Test application changes without a user interface

**KEY BENEFITS**

- Reduce the expense and time of application integration testing
- Enhance developer productivity during mainframe application development
- Increase mainframe application performance, scalability, and responsiveness
- Help developers focus on mainframe development activities
- Expedite defect resolution process
PRODUCT DETAILS

Hiperstation for TCP/IP and APPC
System and application programmers as well as quality assurance personnel can use Hiperstation to streamline testing for mainframe applications and back-office server components of web-based or distributed applications using APPC or TCP/IP protocols. These protocols can include HTTP, HTTPS, Db2 Connect, IMS Connect, CICS Transaction Gateway, and CICS External Call Interface over TCP/IP.

Hiperstation for IBM MQ
Hiperstation for IBM MQ streamlines testing for mainframe applications and backoffice server components of web-based or distributed applications. This functionality handles the repetitive, time-consuming steps involved in testing as well as enhances concurrency, integration, migration, capacity, and performance testing.

Hiperstation for VTAM
Hiperstation for VTAM streamlines testing for any green screen application, including those running in CICS, IMS/DC, IDMS/DC, and TSO. Hiperstation for VTAM helps you quickly, accurately, and cost-effectively test while ensuring quality applications are delivered on time.

Repeatable, flexible testing
Hiperstation provides functions that help your staff create scripted tests to exercise the application program logic critical to your business operations. The nature of these test scripts makes them repeatable and are fully automated through unattended mode replay functions, allowing you to perform more test iterations in less time.

You can also leverage BMC Compuware Strobe with Hiperstation to build repeatable and automated tests. Strobe performance statistics provide visibility into actual application performance while it’s being tested and help ensure that the application meets specific performance criteria for production.

FOR MORE INFORMATION
To learn more about BMC Compuware Hiperstation, visit bmc.com.