BMC Compuware ISPW

Ensure mainframe code is secure, stable, and streamlined in a CI/CD pipeline

PRODUCT DESCRIPTION
BMC Compuware ISPW enables continuous integration/continuous delivery (CI/CD) for the modern mainframe by empowering developers to quickly and safely understand, build, test, and deploy mainframe code. With ISPW, you can rest assured that your mainframe code pipelines are secure, stable, and streamlined throughout the DevOps lifecycle.

BUSINESS CHALLENGE
Mainframe organizations must be able to continuously deliver new products and services that delight their customers. Enterprise teams rely on their source code manager to keep track of changes, but source code management alone doesn’t have what it takes to build, test, and deploy quality mainframe applications with shorter lead times. Organizations need a modern CI/CD tool that automates processes and integrates into a cross-platform DevOps toolchain so they can deliver better code, more quickly to meet the digital demands of the business.

BMC SOLUTION
BMC Compuware ISPW enables mainframe teams to optimize code quality, improve developer productivity, and rapidly meet the digital demands of the business. ISPW fits into a modern DevOps toolchain, empowering developers of all experience levels to increase the quality, velocity, and efficiency of software development and delivery. Organizations can use ISPW for mainframe source code management (SCM), build, and deploy, or leverage Enterprise Git, such as Bitbucket or GitHub, for source control and ISPW for build and deploy.

KEY FEATURES
- See the status of all programs throughout the lifecycle, be alerted when code is checked out, perform concurrent development, confidently merge code updates
- Connect with modern DevOps toolchains using REST APIs and command line interfaces (CLIs)
- Automate, standardize, and monitor deployments into multiple target environments
- Speed approvals with anytime, anywhere web and mobile approvals
- Leverage proven, trustworthy SCM migration services and ongoing administrative support through ISPW Sentry Services
- Use in-depth BMC Compuware zAdviser metrics to continuously improve

KEY BENEFITS
- Enable DevOps practitioners to build mainframe-inclusive DevOps toolchains and improve developer productivity
- Eliminate manual steps and help staff iterate quickly through the development, test, and QA cycles
- Catch conflicts early with intuitive displays that show the status of all programs throughout the lifecycle—in real time
- Support multiple developers working on the same program at the same time
- Confidently automate mainframe code approval and deployment activities while maintaining critical audit controls necessary for large enterprises
PRODUCT DETAILS

Agile source code management
ISPW offers full visibility across the development lifecycle. Multiple development areas enable concurrent development. End-to-end tracking shows every action that affects code running at any level, including production. Users are provided with an audit trail of all activities throughout the development lifecycle. Impact Analysis lets developers see how potential code changes can impact the rest of the mainframe environment.

Build
ISPW is much easier to set up and administer than other SCM solutions. Development teams can simply select the specific pre-coded capabilities they want to use. ISPW uses modular, reusable compile skeletons for simple substitution, nesting, and conditional pathing. With a few skeletons, you can cover a wide range of compiles, from COBOL to Db2 and more.

Deploy
ISPW enables organizations to promote mainframe code faster, resulting in more rapid rollouts with fewer errors. Using ISPW’s web deploy interface, DevOps staff can easily view the status of all deploy requests and the environments into which code was deployed. ISPW also allows you to fallback some or all code changes at once and replace the current production program with a valid previous program version.

Automate processes across platforms
ISPW integrates into a cross-platform DevOps toolchain, including Jenkins, Digital.ai Release, CloudBees Flow, and more, to enable continuous build and deploy while ensuring code quality. ISPW can also connect with modern DevOps toolchains using REST APIs, CLIs, and webhooks.

Analytics
ISPW usage data can be leveraged with BMC zAdviser’s enhanced machine learning to highlight areas that should be prioritized for reducing technical debt or improving efficiency efforts. Through zAdviser dashboards, teams can visualize constraints in changing source code and focus their development efforts to better meet business and customer requirements.

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