

Continuously Measure and Improve Your Organization's DevOps Processes

OVERVIEW

Studies show that while mainframe workloads are increasing, organizations are only replacing one out of every three experienced staff members they have lost to retirement. Overcoming the mainframe development challenges this presents necessitates a philosophy of continuous improvement through DevOps best practices. Such a philosophy leads to greater collaboration and transparency for sustained application quality, faster time to market and increased agility and efficiency.

Fundamental to that continuous improvement is instituting a program that establishes key performance indicators (KPIs). Such a program will enable you to regularly measure quality, velocity and efficiency as they relate to mainframe development and enable you to make data-driven decisions based on those measurements.

Through zAdviser, maintenance-current Compuware customers have a **free** service to manage this process.

HOW ZADVISER WORKS

Compuware zAdviser uses machine learning to find correlations between KPIs and developer behaviors. These correlations can lead you to make better business decisions to improve organizational productivity.

The model is based on DevOps toolchain data and Compuware product usage data that form KPIs to measure development quality, velocity and efficiency. These measurements—taken at the individual, team and organizational levels—provide evidence towards ongoing improvement and are key to charting a DevOps journey. This helps development managers provide timely feedback to developers for continuous improvement.

zAdviser is fueled by ongoing collaboration between customers and Compuware, where customers contribute their relevant DevOps data and Compuware contributes its mainframe expertise and machine-learning insights.



The zAdviser process.

PRODUCT-USAGE METRICS

Compuware’s previous offering, known as the Value Improvement Program (VIP), focused on product usage collection, allowing you to qualify, quantify and increase the value derived from Compuware products.

zAdviser enhances this capability, allowing you to uncover positive and negative usage patterns of Compuware products so you can improve your overall productivity.

DEVOPS METRICS

zAdviser measures defined KPIs over time for continuous improvement: It’s a self-servicing set of predictable analytic models that guide customers towards improved development quality, velocity and efficiency. With these classifications, zAdviser provides prescriptive suggestions for improvements, providing empirical data to drive business decisions.

Quality

Quality metrics give you the ability to measure how well or how poorly the value of development outcomes are progressing, for example, measuring abends escaped versus abends trapped; that is, abends in production versus abends in testing.

Velocity

Velocity metrics give you the ability to measure how much development work can be completed within a given period, for example, measuring mean time from checkout to production; that is, the time it takes from checking out a component to moving it back into production.

Efficiency

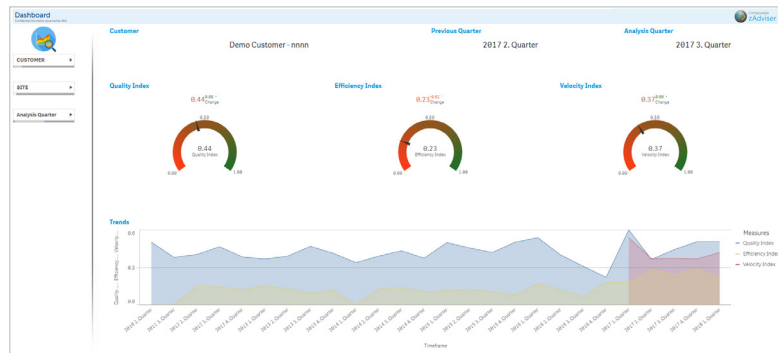
Efficiency metrics give you the ability to measure how successfully development tasks are executed without waste, for example, measuring lead time; that is, the time between the formation of an idea (story) and starting development.

Engagement

Measuring engagement gives you the ability to see, overall, how engaged people are in your organization, including gauging if they are passionate explorers willing to break down silos and get things done or if they are disengaged, hurting the morale and productivity of others.

INTUITIVE DASHBOARDS

Intuitive dashboards provide instant visibility into how developer behaviors impact business outcomes, allowing organizations to view and query the detailed data to make adjustments as necessary.



zAdviser allows organizations to measure improvements in quality, velocity and efficiency as well as engagement.

DATA-COLLECTION METHODOLOGY

No sensitive data is required for zAdviser to function. As more customers provide Compuware with business data from Compuware products like **Topaz Workbench** and **ISPW**, DevOps tools (e.g., ITSM and SCM solutions) and other non-Compuware products, the zAdviser machine-learning model will become more intelligent. Ultimately, fully anonymized aggregate data from across customer sites will provide a way for customers to accurately gauge their DevOps progress internally and across industry verticals around the world.

RELEVANCE TO OUTSOURCING

Enterprises that outsource mainframe development will also reap significant value from zAdviser. Using the service to gain new insights into the quality of work being delivered by an organization's partners will allow them to work together to achieve better business outcomes. .

THE VALUE OF ZADVISER

- Challenge your organization to continuously learn and continuously improve.
- Incorporate machine learning to show how patterns of behavior can help improve development processes over time.
- Measure quality, velocity and efficiency over time through a displayed set of KPIs.
- Measure overall breadth of Compuware product and feature utilization.

To get involved, visit compuware.com/zadviser-inquiries.

The Mainframe Software Partner For The Next 50 Years

Compuware empowers the world's largest companies to excel in the digital economy by fully leveraging their high-value mainframe investments. We do this by delivering highly innovative solutions that uniquely enable IT professionals with mainstream skills to manage mainframe applications, data and platform operations.

Learn more at compuware.com.

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