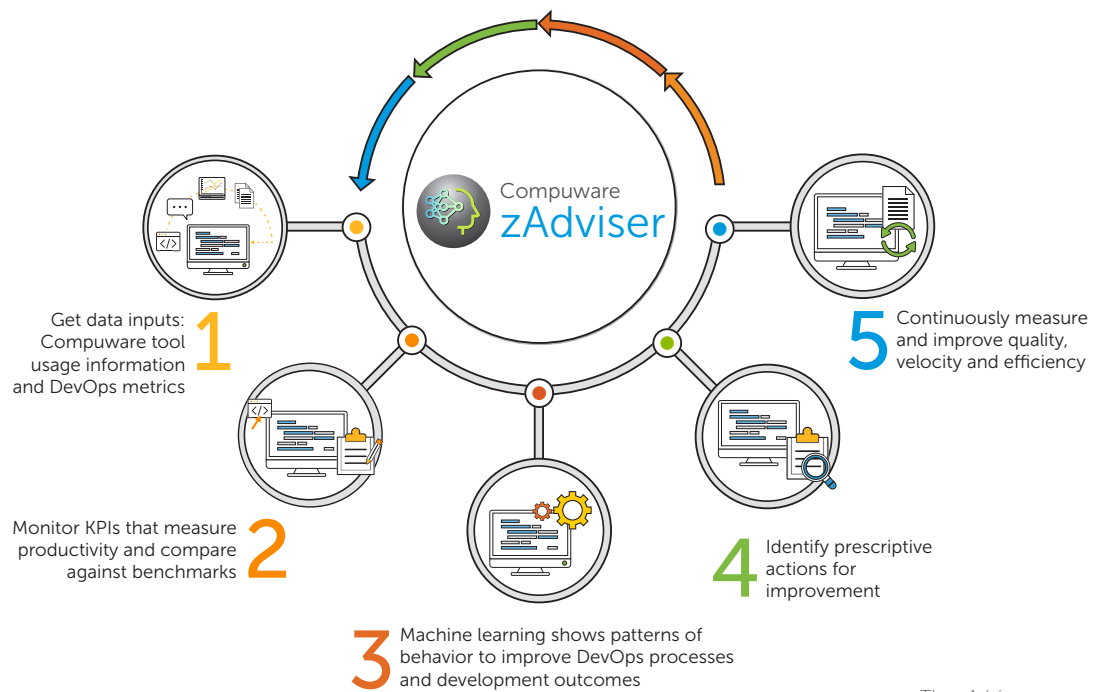


# Continuously Measure and Improve Your Organization's DevOps Processes

## OVERVIEW

Compuware zAdviser leverages machine learning to continuously measure and improve an organization's mainframe DevOps processes and development outcomes. Based on key performance indicators (KPIs), zAdviser measures development quality, velocity and efficiency—empowering enterprise IT leaders to make evidence-based decisions in support of their continuous improvement efforts. zAdviser is free for Compuware customers on current maintenance.

zAdviser is fueled by ongoing collaboration between customers and Compuware, where customers contribute DevOps data and Compuware contributes its mainframe expertise and machine-learning insights to help enterprises continuously achieve better business outcomes over time.



*The zAdviser process.*

## BEYOND PRODUCT USAGE METRICS

Compuware's previous offering, known as the Value Improvement Program (VIP), enabled customers to qualify, quantify and increase the value derived from Compuware products. zAdviser builds on the success of the VIP by analyzing both Compuware product usage and DevOps data to uncover correlations between mainframe developer behaviors and mainframe DevOps KPIs—intel that would otherwise be difficult for DevOps leaders to identify.

To accomplish this, zAdviser captures data from Compuware tools, popular third-party solutions such as Atlassian Jira and ServiceNow, as well as many source code management (SCM) systems including Compuware ISPW. By applying machine-learning algorithms, zAdviser helps DevOps teams pinpoint trends and patterns in their development processes and behaviors that may be helping or hindering their mainframe software delivery.

## DEVOPS KPIS

The right KPIs are critical for mainframe DevOps success. zAdviser measures quality, velocity and efficiency KPIs—continuous improvement on these measures can materially improve an organization’s mainframe DevOps processes and development outcomes.

### Quality

Quality KPIs give you the ability to measure how well or how poorly the value of development outcomes are progressing. Examples include:

- Ratio of fallbacks to elements deployed to production
- Abends escaped vs. abends trapped
- Percentage of total programs using code coverage

### Velocity

Velocity KPIs give you the ability to measure how much development work is completed within a given period. Examples include:

- Meantime from checkout to production
- Number of features deployed
- Number of elements deployed
- Meantime to develop
- Meantime to detect
- Meantime to repair

### Efficiency

Efficiency KPIs give you the ability to gauge how successfully development tasks are executed without waste. Examples include:

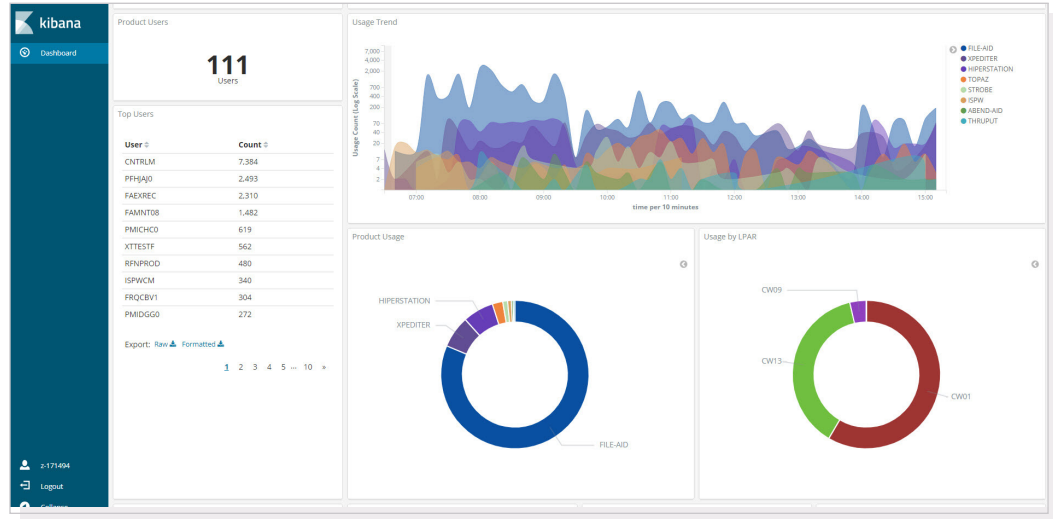
- Lead time
- Cycle time
- Percentage of time spent on development activities

### 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.

### INTERACTIVE DASHBOARDS

zAdviser’s dashboards feature a highly intuitive and interactive interface built on Elastic’s Elastic Cloud service and Kibana visualization and exploration technology. With the help of their Compuware Account Managers, customers can peruse a broad range of metrics for actionable insights into feature and functionality usage across LPARs. zAdviser provides correlations between behavioral data inputs and operational results that help DevOps leaders better pinpoint anomalies that lead to opportunities for process improvements.



Modern, intuitive dashboards.

### PRESCRIPTIVE RECOMMENDATIONS

Based on the insights zAdviser uncovers, Compuware Account Managers can make customized, evidence-based recommendations to improve outcomes, whether targeted training for developers on the optimal use of specific features in the tools, DevOps process improvements or more automation to increase the frequency of code drops.

### SECURE DATA-COLLECTION METHODOLOGY

No sensitive data is required for zAdviser to function. Customers can automatically provide their usage data to Compuware using a secure encrypted pipeline to Amazon Web Services (AWS). Alternatively, they can periodically extract and FTP usage data to Compuware or use the secure zAdviser File Transfer app.

## MEETING GDPR REQUIREMENTS

VeraSafe, a leader in data protection, privacy and trust seals, evaluated zAdviser against relevant GDPR requirements and found it to be fully compliant with the regulation. This examination included a review of zAdviser to ensure that all elements of GDPR were fully addressed, such as:

- The right to be forgotten
- The right of access
- Data retention
- Connections to downstream applications and ticketing systems
- Method for applying changes and updates
- Information security practices

## BENCHMARKING

The more data that is captured, the more intelligent zAdviser will become. In the future, customers will be able to use the KPI benchmarks established by zAdviser to gauge the performance of their development teams in relation to other teams in their industry vertical as well as the Compuware ecosystem as a whole.

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

To get involved, visit [compuware.com/zadviser-inquiries](https://compuware.com/zadviser-inquiries).

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### 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](https://compuware.com).**

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