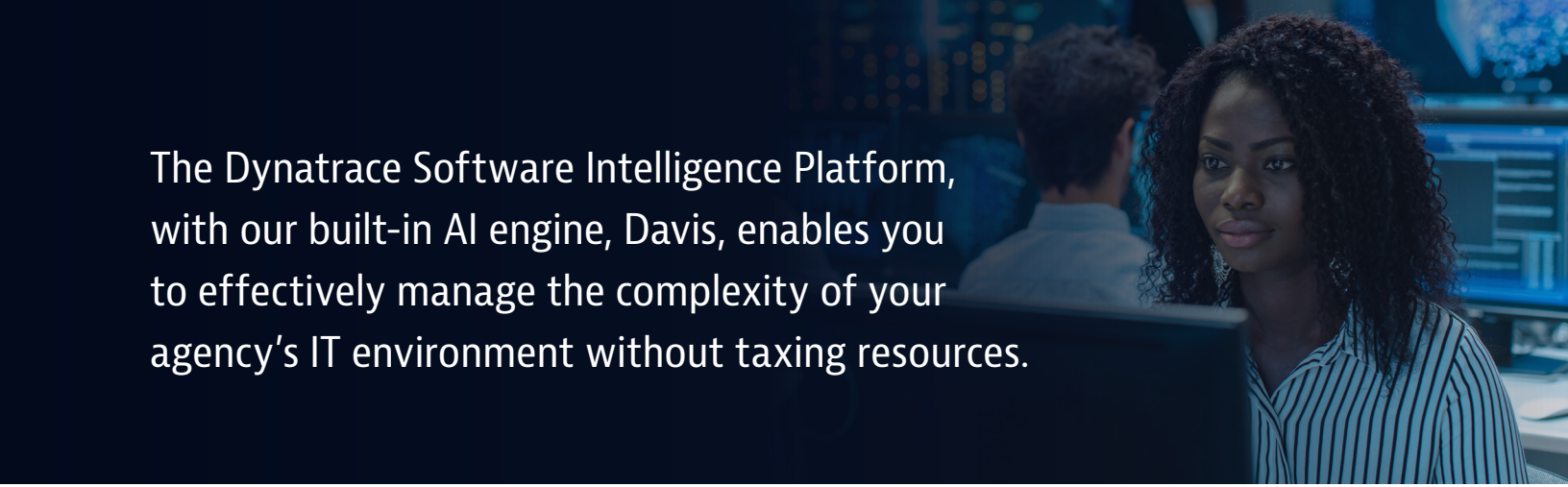


# Optimizing IT operations with AIOps

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The Dynatrace Software Intelligence Platform, with our built-in AI engine, Davis, enables you to effectively manage the complexity of your agency's IT environment without taxing resources.

### **Agency Scenario: Balancing legacy maintenance with cloud modernization**

Marilyn is slowly moving existing workloads to the cloud while quickly developing new applications to run in the cloud and her agency's data center. At the same time, she has many legacy systems that cannot be decommissioned and must be maintained.

While her IT environment is becoming more complex, Marilyn's budget is static, and she must compete with the private sector for highly skilled IT workers. Her staff are working overtime to keep existing systems up and running while developing new applications, resulting in little time to acquire new skillsets for managing a distributed hybrid cloud and microservices infrastructure.

Marilyn is deploying the Dynatrace Software Intelligence Platform to automate IT operations. This helps free her staff to concentrate on updating, modernizing, and developing new applications for effective service delivery.

### **Growing complexity requires AIOps**

For the foreseeable future, agencies will be managing hybrid IT systems distributed across federal data centers, government clouds, and commercial clouds. The growing complexity of this government IT infrastructure creates environments in which routine operations can unduly tax agency resources.

Artificial intelligence for IT operations (AIOps) is the solution to manage this environment effectively, even with limited budget and resources. The benefits of AIOps include:

- Detect and send alerts about anomalies
- Provide high-fidelity, real-time data monitoring
- Determine root-causes and provide impact analysis
- Enable auto-remediation and auto-deploy
- Do more with less resources

Supporting legacy systems whilst implementing new technologies like microservices, containers, and cloud computing introduces new complexities and creates a need for new skillsets, even while resources remain static.

At the same time, end users' expectations for universal accessibility with speed and ease of use are growing. Automation is a key element in meeting those expectations, allowing you to do more with what you have. AI is about assisting teams, dramatically reducing manual or redundant work, and increasing productivity as a result.

## Understanding AIOps

AI automates the management and operations of your infrastructure, letting machines handle routine tasks so your team doesn't have to. Dynatrace OneAgent® automatically discovers and maps all applications, microservices, infrastructure, and any dependency in dynamic hybrid, multicloud environments, without configuration or scripting, and without having to know which apps or cloud platforms are running. Once installed, OneAgent automatically gathers data and telemetry from across your agency environment for automated performance analysis.

When comparing AI and machine learning, the difference is in the quality of the output. Machine learning produces correlated alerts. AI is about assisting teams, analyzing the entire environment, learning behaviors, looking for business-impacting anomalies, determining the root-cause of a problem, and fixing it before impacting the end-user.

Dynatrace's AI engine, Davis, analyzes and identifies dependencies and relationships across the entire IT environment, from servers to the end-user, providing precise answers and determining the root-cause. Utilizing Davis enables teams to automate more processes throughout the DevOps pipeline, from testing and deploying builds in development to deploying releases and auto-remediating issues in production. In turn, this increases productivity as teams spend less time troubleshooting and more time concentrating on creating new products, innovating, and modernizing IT.

## The Dynatrace difference

Growing IT complexity means teams need to do more with less. Dynatrace's automatic and intelligent approach to AIOps enables teams to identify specific root causes and automate more processes.

Providing software intelligence to simplify cloud complexity and accelerate digital transformation, the all-in-one Dynatrace® Software Intelligence Platform delivers precise answers about the performance and security of applications, microservices, the underlying infrastructure, and the experience of all users to enable organizations to innovate faster, collaborate more efficiently, and deliver more value with dramatically less effort.

With Dynatrace, your agency can meet its mission and improve the end-user experience with existing resources — and without breaking your budget.

### To take advantage of the Dynatrace Software Intelligence Platform, powered by AI:



Call us at +1 888 833-3652



Email us at [USFederal@dynatrace.com](mailto:USFederal@dynatrace.com)



[Chat with us](#)

## About **Dynatrace**

Dynatrace provides software intelligence to simplify cloud complexity and accelerate digital transformation. With automatic and intelligent observability at scale, our all-in-one platform delivers precise answers about the performance and security of applications, the underlying infrastructure, and the experience of all users to enable organizations to innovate faster, collaborate more efficiently, and deliver more value with dramatically less effort. That's why many of the world's largest enterprises trust Dynatrace® to modernize and automate cloud operations, release better software faster, and deliver unrivalled digital experiences.

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