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Enabling IT modernization through software intelligence

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The automated Business Insights of the Dynatrace Software Intelligence Platform helps you succeed in the vital process of modernizing your agency's IT infrastructure, from conception through implementation to management.

Agency Scenario: Automation informs accurate modernization planning

According to the Government Accountability Office, federal agencies spend around 75% of their IT budget on maintaining often obsolete legacy systems, resulting in less budget going on modernization. Mike's agency is under pressure to modernize its infrastructure, cut the expense of its legacy maintenance, and improve customer experience.

But he has no accurate inventory of the current hybrid environment, which includes decades-old applications, new microservices, agency data centers, and cloud computing. Implementing change without planning threatens to add complexity and cost rather than cutting expenses and improving performance.

Automated data-gathering and analysis with AI provides Mike with a picture of his current environment, enables planning to move forward, and allows for monitoring of the process and results to ensure success.

While IT drives mission delivery, constant changes in technology and customer expectations mean agencies must continually work to keep their infrastructures up-to-date.

Congressional mandates for agency IT modernization, combined with high public expectations based on commercial digital experiences, push the demand for functionally rich and friendlier online government interaction.

But modernization can be expensive and risky if initiated without a coherent strategy. Developing the right strategy necessitates a thorough understanding of where your agency currently is and where you intend to go, which requires the automated analysis and visibility provided by software intelligence and AI.

Understanding your IT environment

Too often, agencies don't have an accurate inventory of their IT assets. Newer systems are layered over legacy systems that have evolved over time, with new architectures like microservices and cloud computing added to the mix. The result is a distributed hybrid environment that needs to be controlled.

A haphazard modernization program runs the risk of failure because of unexpected complications in the operations, relationships, and interdependencies of the components being replaced or updated. Complexities are introduced into workloads that interfere with performance, resulting in added expenses and frustrated users.

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Visibility provides needed insight

The Dynatrace Software Intelligence platform provides the visibility needed to understand your IT environment, no matter how diverse.

Dynatrace OneAgent® automatically discovers and maps all applications, microservices, and infrastructure as well as any dependency in dynamic hybrid, multicloud environments, without configuration or scripting, and without having to know which apps or cloud platforms are running. By gathering information from multiple platforms, OneAgent automatically provides the data you need. AI analysis then turns that data into usable information, giving you a clear picture not only of components on your infrastructure, but how they interact.

Those insights enable you to decide what can be modernized, what should be modernized, and what the impact will be, supporting effective decision-making across the agency. Dynatrace provides the information each stakeholder needs in an easy-to-understand format, empowering all to contribute to a successful outcome.

Targets

A successful IT modernization strategy requires goals and objectives tied to the agency mission. The observability and understanding provided by the Dynatrace platform is essential to monitoring the outcome of your efforts.

Dynatrace delivers precise answers about the performance and security of applications, microservices, the underlying infrastructure, and the experience of all users to enable agencies to innovate faster, collaborate more efficiently, and deliver more value with dramatically less effort. Stakeholders are able to understand performance across the infrastructure and see the impact changes are having on the end-user, making problems easy to identify and resolve.

Well beyond a project, IT modernization is ultimately an ongoing process of continuous improvement. Dynatrace® provides observability across your infrastructure and delivers information in an understandable format throughout the agency so you can always see where you are, where you want to be, and how to get there.

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

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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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