Bringing AI-powered tech to government

A solution from NVIDIA and VMware enables agencies to layer cutting-edge AI into existing platforms

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ARTIFICIAL INTELLIGENCE IS one of the largest technology transformations we've ever seen. As it becomes more widespread, AI will have an impact equivalent to that of the internet.

The technology can help with the digital transformation of every facet of government. With the assistance of AI, agencies can rethink and enhance the customer experience by using a number of tools, such as natural language processing and predictive recommendations. In terms of cybersecurity, AI can quickly sift through massive amounts of data, allowing intelligence agencies to react to threats and attacks in real time. It can also improve medical care and public health, and help the government better predict the weather, understand long-range climate trends, and detect and quickly respond to natural disasters.

Cameras in cities across the country and satellites in our skies are capturing images daily. AI is essential to finding the insights in all that imagery. When agencies harness AI's ability to quickly analyze data and perform rote tasks, they save time and money and free employees to focus on higher-value activities, which boosts job satisfaction and results in a better citizen experience.

Democratizing access to AI

Developing and deploying AI-powered technologies can be challenging. That's why VMware and NVIDIA have teamed up to democratize access to AI and enable organizations of all sizes to take advantage of this advanced technology.
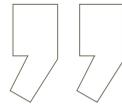
VMware and NVIDIA's solution allows agencies to fold AI into their existing IT environments by optimizing NVIDIA's industry-leading AI technology to run on VMware's enterprise-class infrastructure. It puts the power of accelerated computing into the hands of data scientists and developers so they can easily run AI workloads.

The solution is easy to manage and scale because IT teams are still interacting with a familiar platform. In addition, agencies retain their ability to comply with governance and security requirements. Finally, our AI-ready Enterprise platform was built to support cloud-native applications. As a result, agencies will be able to run and manage those applications whether they are deployed in an on-premises data center or a public cloud.

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AI's widespread, transformative impact

AI is designed to deal with massive amounts of data, and the technology improves as it processes that data. The reality is that AI will have an effect on everything agencies do and not just on high-profile activities. For example, using AI to determine when predictive maintenance is necessary on military vehicles or equipment can save a significant amount of money over the costs involved in fixing something after it fails.

Moreover, the pandemic has dramatically changed how citizens engage with government and how employees engage with one another. AI can have a transformative impact on remote work by empowering people to collaborate more effectively and by strengthening cybersecurity.

In the not-too-distant future, transactions of all kinds will become digital and nearly everything that moves will become autonomous. We will need to be vigilant to safeguard the integrity of all that activity. AI's ability to comb through data and give us the insights we need to respond in real time will make those advancements possible. ■

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