

# Maximizing mission success with the cloud

Cloud-based capabilities are transforming how applications, data, security and mission-critical services are delivered



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**T**he cloud has evolved from a platform for rehosting applications to a platform that provides ready-to-use tools and services for new technologies. Furthermore, a key benefit of cloud is that it allows agencies to spend less time and resources on IT infrastructure and more on mission enablement and application delivery.

To that end, the cloud industry continues to develop innovative application services, rich features and seamless integration so agencies can implement multi-cloud, multi-environment, multi-platform application and service architectures that are scalable and secure.

The latest cloud-enabled capabilities include DevSecOps toolchains, advanced data analytics, artificial intelligence solutions, virtual desktops and endpoint management. Agencies can consume these technologies under an as-a-service model that minimizes costs, accelerates development and reduces risks.

## Addressing the challenges of hybrid cloud

Most agencies operate hybrid environments that combine on-premises systems with cloud platforms and services. However, there are challenges associated with that approach.

Hybrid environments require the ability to manage a diverse set of technologies, tools and operating models and to integrate workloads, applications and services across clouds and on-premises systems. A hybrid cloud environment also changes the traditional security boundary and introduces new vulnerabilities related to the nature of off-premises managed services and the unique attributes of cloud, which include ephemeral services and API-driven, software-defined everything.

Fortunately, advanced cloud-based cybersecurity solutions are helping agencies move to zero trust architectures by shifting security services from primary data centers to

edge locations to enable rapid analysis and a stronger security posture.

To maximize the benefits of hybrid cloud, it is important that agencies select platforms and technologies that reduce operational complexity, provide seamless service portability and enhance security. In addition, operating models and security architectures should be carefully planned so that services and applications can be delivered securely at speed and scale without creating new burdens for government IT teams.

## The role of industry partnerships

As the cloud industry evolves to provide modern capabilities for government customers, strategic partnerships are more important than ever. At Peraton, we have worked closely with VMware for years and are experts in VMware's core virtualization technology and VMware Cloud services.

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Peraton was one of the first federal systems integrators and service providers to join the VMware Managed Service Provider Program and VMware Cloud Provider Program. This has enabled Peraton to leverage VMware resources for training, skill enhancement and customer support when providing cloud-based services. In addition, Peraton’s VMware Cloud on AWS offering has allowed agencies to migrate to the cloud rapidly without refactoring their legacy applications

or reskilling their IT teams — and it supports agencies’ ability to meet the government’s “cloud smart” mandate for providing applications and services in the cloud.

We have also grown our expertise through the technology acquisitions VMware has made in recent years. VMware expansions have further enhanced Peraton’s portfolios of security, cloud, application development and end-to-end user experience solutions.

Through our close partnership with VMware, Peraton is in a strong position to offer agencies comprehensive hybrid cloud solutions that support unique government mission needs. ■

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