

A smarter approach to cloud adoption

A “migrate then modernize” strategy speeds the move to a secure, consistent multi-cloud operating model



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WE LIVE IN AN era dominated by digital experiences and the constant evolution of citizen and mission demands. In response, applications, their underlying infrastructure and IT organizations are evolving to deliver with the speed, flexibility and security that modern software requires. Cloud adoption is an extension of that infrastructure transformation, and as agencies progress in their cloud journeys, the move to multi-cloud is inevitable because it supports the continuous delivery of improved digital experiences.

Agencies can capitalize on the benefits of multi-cloud by making cloud-smart decisions about workloads and enabling a consistent and secure multi-cloud operating model across on-premises systems, multiple hyperscalers and edge clouds. However, many of the perceived benefits of multi-cloud elude agencies because they are not optimizing their cloud journeys to make cloud-smart workload decisions or enabling a consistent and secure multi-cloud operating model across on-premises, multiple hyperscalers and edge clouds.

Many early adopters decided to move everything to a public cloud, but

this is driving inefficient and runaway cloud consumption and cost overages. Data-centric workloads or those with low utilization variability or mission criticality don't necessarily need to move to hyperscaler clouds. In addition, workloads with dependencies in the data center or at the edge are better suited to on-premises private clouds, where operational costs and performance characteristics can be optimized. Now we are seeing a trend toward workload repatriation as agencies move workloads back on premises to optimize their multi-cloud operating models.

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Another misguided approach is to modernize all apps before moving to the cloud, which requires a level of funding and developer capacity most agencies lack. Some have thousands of enterprise apps and can only modernize and migrate them at the rate of two or three per month. In the meantime, they suffer the untenable operational complexities of disparate environments with unique tooling and training needs, lack of visibility, and inconsistent management. These complexities drive increased

labor, cost and cybersecurity risks, and many agencies find themselves in this cloud chaos for years.

SEAMLESS MANAGEMENT VIA A SINGLE PANE OF GLASS

The cloud-smart strategy is to migrate then modernize most workloads because the speed of cloud adoption and the consolidation of operating constructs is crucial. Such an approach also reduces costs, migration manpower and training burdens.

In fact, most workloads can move to the optimized cloud of choice as-is if the right abstraction and workload management capabilities are employed. For example, when agencies use VMware's app portfolio assessment practices, they typically need to refactor only about 35% of workloads early in the cloud journey.

Once applications are in the cloud, they are easier to modernize. Meanwhile, agencies have a secure infrastructure and runtime environment in which virtualized workloads, containers, software as a service and cloud-native apps can be managed seamlessly via a single pane of glass. Those capabilities are built for consistent delivery of any virtualized application, regardless of its state of modernization, on any cloud.

Source: Trendobjects



BALANCING FOUR GOALS RELATED TO APPLICATIONS

A consistent multi-cloud operating model helps agencies continuously balance four goals related to applications: cost, performance, configuration for security and delivery for enhanced user experience. This is where VMware stands out. While our hyperscaler and on-premises partners invested vertically to develop rich and diverse multi-cloud capabilities, VMware invested roughly \$15 billion

horizontally over the past decade to automate and integrate those capabilities.

Our Cross-Cloud Services deliver a truly ubiquitous platform for developing and operating software and a consistent infrastructure with multi-cloud management, networking, security and device management solutions. These services are hosted on bare metal in all major hyperscaler

environments and enable abstracted access to their best-of-breed services.

That approach preserves speed and choice while streamlining management and control. It ultimately delivers the power of multiple clouds with the simplicity of one. ■

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