

White paper PRIMEFLEX for Nutanix Enterprise Cloud with Citrix Virtual Apps and Desktops

PRIMEFLEX for Nutanix Enterprise Cloud and Citrix software help IT organizations of all sizes successfully virtualize desktops and applications, so that they can support any user anywhere on any device. A variety of services are available at every step, including planning, design, and deployment and scaling.

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Elevate user experience and mobility support with the power of invisible infrastructure

Controlling infrastructure complexity and cost is key to successfully deploying a new application and desktop virtualization environments. Whether you are virtualizing end-user applications or desktops, this solution will help you succeed. PRIMEFLEX for Nutanix Enterprise Cloud's hyper-converged infrastructure (HCI)—built on Nutanix Acropolis and Prism—combined with Citrix Virtual Apps and Virtual Desktops provide a complete, fully supported solution for application and desktop virtualization that enhances enterprise security, enables workforce mobility, and lowers the cost and complexity of application, desktop, and infrastructure management by as much as 70%.

Simple, scalable desktop and application virtualization

Deploy faster

This solution takes the guesswork out of deploying application and desktop virtualization. Together, the solution's tools and reference designs simplify project sizing, streamline infrastructure and software selection, and accelerate implementation planning. Only with Nutanix Enterprise Cloud software, integrated AHV and Citrix Virtual Apps and Desktops, can you deploy the infrastructure in less than a day—a fraction of the time it takes with traditional infrastructure using a standalone virtualization stack. This is the only platform to offer complete choice and flexibility for the entire Citrix stack, including support for all the industry leading hypervisors. Moreover, Nutanix AHV hypervisor is natively supported by Citrix Machine Creation Services (MCS) making deploying desktops simple and easy.

Scale further

When deploying an application and desktop virtualization solution, you have to size the infrastructure for future business growth even though your budget may be constrained by current workforce size. With this solution, you can start with a small pilot project and grow to thousands of users without disruption, performance-related risks, or big upfront costs. With Nutanix Acropolis, including the supported AHV, each node you add to a cluster scales compute and storage uniformly. Resources remain balanced, and infrastructure does not have to be replaced as your environment grows. This solution offers truly linear scalability and modular growth.

Deliver an excellent user experience at any scale

When it comes to application and desktop virtualization, user experience is the ultimate measure of success. Citrix Virtual Apps and Desktops are optimized to satisfy user requirements across a wide variety of devices and network connections. Whether you have hundreds of users or ten thousand, this solution will deliver an excellent user experience to local, remote, and mobile business users.

Enhance flexibility and security

For ultimate flexibility in today's mobile world, Citrix brings the app store experience to the enterprise. Citrix offers self-service access to applications and desktops from any device, making it easy to support Bring Your Own Device (BYOD) programs. In addition, the solution can be complemented by Citrix ADC and Citrix Content Collaboration.

- **Citrix ADC** delivers secure, scalable access to end-user applications and desktops across your entire enterprise.
- **Citrix Content Collaboration** provides secure enterprise file sync and sharing across devices and organizations.

The Nutanix features complement the granular policy control engine of Virtual Apps and Desktops for heightened security. With the Nutanix Acropolis and Citrix Virtual Apps and Desktops, combined with Citrix ADC for secure remote access, your mission-critical applications and desktops are delivered from an inherently secure architecture that promotes end-to-end security from any device.

Deliver consistent user experience at scale

PRIMEFLEX for Nutanix Enterprise Cloud, based on web-scale architecture, delivers a predictable user experience for every application and desktop as you scale from pilot to production and beyond. Web-scale building blocks leveraging the Nutanix Acropolis' Distributed Storage Fabric simplify scaling and eliminate bottlenecks, delivering consistent performance even as your Virtual Apps and Desktops environment grows. Only Citrix Virtual Apps and Desktops running on Nutanix Acropolis deliver the same results on day 500 as they did on day one, without the need for constant performance tuning.

Lower total cost of ownership

Reduce software and infrastructure costs

Hypervisor licensing costs can significantly increase the cost of application and desktop virtualization. Because AHV is included with PRIMEFLEX for Nutanix Enterprise Cloud solutions, total licensing costs are reduced. With enhanced security, self-healing capabilities, and enterprise-grade VM management, the combination of AHV with Virtual Apps and Desktops delivers the best overall user experience at the lowest total cost of ownership (TCO).

With PRIMEFLEX for Nutanix Enterprise Cloud, you can also run application virtualization, desktop virtualization, and server virtualization all on the same cluster. By eliminating separate silos, you can put control back in your hands, increase resource utilization, and support more applications with less infrastructure.

Decrease management overhead by 70%

The solution can reduce the cost of ongoing management by as much as 70%. The solution not only eliminates the complexity of managing discrete storage and servers, the integrated VM management of Nutanix Prism eliminates the need to manage a separate virtualization stack. Citrix Virtual Apps and Desktops bring a similar level of control to virtualized applications and desktops lifecycle management. It makes it easy for administrators to rapidly provision new resources.

Getting started

Learn how you can benefit from joint PRIMEFLEX for Nutanix Enterprise Cloud and Citrix Virtual Apps and Desktops on AHV by contacting your local representatives or authorized resellers.

Contact

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