Lenovo and Nutanix: Revolutionizing Application Development and Management in a Hybrid Multicloud World
Article

The Lenovo and Nutanix partnership has been going strong since 2015, with deep cross-functional collaboration that delivers to market the most advanced and efficient solutions for our customers' edge-to-cloud IT needs. Just recently, in 2020, we launched an edge computing solution, the smallest Nutanix-certified edge platform. But the innovation goes beyond appliances.

Today, applications run the world. Whether on your hand device, your powerful laptops, or lucrative lines of businesses – application explosion is the new wave in the data center, with 750M new applications going online by 2026[1] according to IDC. The partnership between Lenovo and Nutanix addresses the real pain points customers face with this new reality: how to develop, deploy, and manage their applications in an increasingly hybrid multicloud world.

One of the main challenges faced by customers is inefficiency of traditional application development methods, which are heavily reliant on bulky virtual machines and OS-dependencies. Application deployment is often time-consuming, and portability is not easy, resulting in slow time to market, and even slower time to value. On top of all that, managing applications across a multicloud environment is complex, requiring specific skillsets and resources for managing or orchestrating the app with global policy settings.

(1) Source: IDC, 750 Million New Logical Applications: More Background, doc #US48441921, December 2021

Container-Based Solutions to Solve your Challenges

To address these challenges, the Lenovo-Nutanix partnership offers container-based solutions that provide customers with flexibility, portability, and automation. Containers are faster, more lightweight, and easier to manage and automate than using the traditional virtual machine (VM) approach. Containers are highly suitable for a microservices architecture, where applications are broken into smaller, self-sufficient components or services, which can then be deployed and scaled individually.

Containers provide far more flexibility and portability than VMs in multicloud environments, making it easier to "lift and shift" containers from on-premises bare metal servers to on-premises virtualized environments or even public cloud environments. Additionally, containers are easily controlled by APIs, making them ideal for automation and continuous integration / continuous deployment (CI/CD) pipelines for Dev/Ops teams.

We know that not all customers are the same. Implementation challenges will vary from environment to environment. Some struggle with legacy app modernization, infrastructure acquisition and upgrades, and a lack of in-house skills to manage container operations and application development/DevOps tools. Others may face rollout and implementation costs, while larger organizations may struggle with application portability, staff training, and a lack of mature DevOps practices to operationalize large-scale production deployments. But all customers need a mature container management and application platform. They need a container-ready solution and Lenovo and Nutanix, in partnership with RedHat, deliver a best-in-breed stack.

Learn more about these solutions at Nutanix .NEXT in May

Join the Lenovo team in Chicago in May at the Nutanix .NEXT event, as we showcase the latest in our edge-to-cloud portfolio and share an inside-look at real-use cases.

Meet us at our booth to connect with our experts, or attend one of our keynote sessions.

Intelligent Edge to Cloud Solutions

Wednesday May 10, 2023 at 2:30 PM

Organizations are innovating in 'AI at the Edge' across many industry verticals. However, many are facing the challenge of building a consistent application and data platform from 'Edge to Cloud'. Lenovo, Nutanix, and Red Hat come together in this session to discuss key considerations and to share customer success stories. The panel of experts will discuss current customer challenges and potential solutions gleaned from their experience in the field. We will also take a sneak peek into the future of the industry and what lies ahead in this exciting technological frontier.

Speakers:

- Neeraj Kuppam - GM Software Defined Infrastructure at Lenovo
- Greg White - Senior Director, Solutions Marketing at Nutanix
- Anthony Herr – Technology Strategist at Red Hat

Hybrid Cloud – Back to the Future of IT

Wednesday May 10, 2023 at 1:00 PM

Organizations managing traditional datacenter infrastructure, multiple clouds, and edges have uncovered the complex realities of running a distributed cloud architecture. Join us as we discuss how Lenovo helps customers address the architectural, operational, and financial challenges associated with the realities of a distributed cloud.

Speaker:

- John Encizo - Principal Technical Consultant and Field CTO – Lenovo ISG, NA

Summary

Today's IT workloads and deployment environments require innovative solutions to deliver competitive advantage. Application development, deployment, and management across hybrid multicloud deployments is a daunting task for any sized IT team. Container-based solutions from Lenovo and Nutanix address today's app requirements and needs, while addressing the pain points associated with traditional app development.

We look forward to seeing you at the .NEXT conference in May!

Author

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Related product families

Product families related to this document are the following:

- Nutanix Alliance
- ThinkAgile HX Series for Nutanix

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