

Wipro

Case Study

Wipro Makes Virtual Desktops Affordable with Nexenta Storage

Bangalore, India
www.wipro.com
Technology / Software / IT Professional Solutions / Services



Summary

Challenge: Managing physical desktops

Solution: NexentaStor

Platform: Citrix

Use Case: Server Virtualization / Hosting

Benefits:

- Cost savings
- Productivity gains
- New revenue

Business Overview

Wipro Ltd. (NYSE:WIT), is a leading information technology, consulting, and business process services company that supports its clients by creating successful and adaptive IT solutions. As part of this mission, Wipro wanted to help clients reduce their IT costs, complexity, and management burden by providing a Desktop as a Service (DaaS) solution.

Managing physical desktops at multiple sites is neither efficient nor cost effective. But traditional virtual desktop infrastructure (VDI) has not been widely adopted because of its technical complexity and the cost of implementation. DaaS offers a cost-effective and more accessible alternative. With desktop virtualization hosted by a service provider, organizations can get the benefits of VDI – such as cost savings and flexibility – without the challenges of having to implement or maintain VDI themselves.

Like traditional VDI, DaaS can support the highest standards of security and compliance, enable a bring-your-own-device (BYOD) policy, and increase user productivity by reducing downtime from an average of 10 hours per user per year to approximately 3.5 hours, according to analysts. DaaS also typically costs 25 percent less than the TCO of traditional VDI.

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”

Seshu Kumar G V

Delivery Head for VirtuaDesk,
Wipro

VirtuaDesk DaaS

Wipro designed its DaaS solution, called VirtuaDesk, leveraging Wipro's IP, industry standard hardware reference architectures, and software. VirtuaDesk provides users with their own unique optimized desktops using the core technologies of centralized management and optimized user experience across multiple devices and operating systems.

Wipro integrated VirtuaDesk software with the NexentaStor Software-Defined Storage platform to provide scalable and cost-efficient user data storage. The company added a layer of automation which reduces the administrative burden.

"We needed a scalable and cost-effective file storage solution for our VDI implementation. With Nexenta we could achieve great performance while scaling the storage capacity without additional expenses," said Seshu Kumar G V, Delivery Head for VirtuaDesk, Wipro. "We are excited to work with Nexenta on our internal Wipro company storage requirements and to offer the same solution to our customers."

System Configuration

- Dell R720
- 256GB System Memory
- 1-2 X MD3060E
- 30-114 X 4TB 7.2K NL SAS
- 2-4 X 400 GB SAS MLC
- 2-4 X 8GB STEC ZeusRAM
- 120-456TB

Solution and Benefits

Solution

VirtuaDesk provisions full persistent virtual desktops that meet users' specific needs, whether they are task workers or knowledge workers. To date, Wipro has migrated more than 15,000 of its own employees to VirtuaDesk DaaS. Wipro has deployed NexentaStor in four of its data centers in India on x86 hardware. Currently the Nexenta solution provides one petabyte of storage across four locations. Wipro will scale it up as it continues rolling out VirtuaDesk DaaS to other employees, taking advantage of the scalability of the base implementation.

Benefits

Wipro's employees see no difference between their PCs and their new virtual desktops, but they do experience greater flexibility and improved performance. They appreciate that they can now use different devices to access their desktops and move seamlessly to another end-point device during maintenance and continue working. This transformation of the work environment from a fixed-seat to a location-independent workspace also enables better collaboration among Wipro's engineers, helping them to form virtual teams with people in different locations.

Administrators are pleased with the VirtuaDesk portal, which allows IT to perform desktop management functions more efficiently by simply managing the image template catalog and dynamically assigning the right image to each user. Further, open communication between VirtuaDesk's open APIs and Nexenta enables administrators to automate the mapping of shares to individual users. Earlier, manual mapping caused delays in putting new users on the VirtuaDesk system, but now IT can provision desktops instantaneously.

Increased automation with VirtuaDesk DaaS saves effort on production support tasks. Most of the savings in hardware come from storage, which accounts for approximately 60 percent of the typical per-seat hardware cost of a VDI deployment.

Wipro has already begun to see cost savings from deploying VirtuaDesk DaaS and NexentaStor and expects those to increase as it rolls out the solution to more employees. The company is also expecting increased revenues from offering this cost-effective, high-performing VirtuaDesk DaaS to its customers.



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