Power Remote and Edge IT Landscapes with Nutanix Enterprise Cloud OS

Remote Office and Branch IT Need a Digital Transformation!

KEY BENEFITS

- **One-click Simplicity:** Reduce complex IT tasks to a single click, and lessen dependence on IT specialists.

- **Lower TCO:** Reduce IT expenses by as much as 40% to 60%,

- **Maintain Business Continuity:** Ensure high availability with highly resilient distributed architecture

- **Consolidate Workloads:** Power any workload with Nutanix software

- **Prevent Data Loss:** Protect Remote Applications with integrated data protection and disaster recovery

The landscape for enterprise remote and branch offices (ROBO), retail locations, regional offices and other edge sites has rapidly evolved in the last 5 years. In addition, new demands have grown with more field-based IT infrastructures such as oil rigs, kiosks, cruise ships, forward-deployed military operations and even airport security devices that need processing power in proximity to the point of data collection. Often these needs can't be met by the public cloud due latency and connection realities. They are often too small for traditional, legacy approaches to IT infrastructure from capex, power and space perspectives, as well as opex constraints and the skills required on-site to manage and maintain them.

BRINGING IN THE NEW ERA FOR THE ROBO AND EDGE LANDSCAPE

The new 1, 2 node offering from Nutanix allows remote offices and edge IT locations to harness the power of Nutanix Enterprise Cloud OS and simplify remote IT infrastructure that can now be managed centrally with a single pane of glass. The Nutanix OS can be consistently deployed across classic on-premises data centers, remote office/branch office and disaster recovery (DR) sites, as well as upcoming edge computing sites, and the public clouds allowing businesses to leverage common IT tooling and enabling application mobility across private/public clouds without being locked in to any hardware, hyper-visor, or cloud.

The solution will allows you to deploy Nutanix as a cluster of 1 or 2 nodes that can run all of a remote office's local applications, such as SQL Server, Exchange, custom applications, virtual desktops using VMware Horizon and Citrix XenDesktop and XenApp, and services including DHCP, DNS, file and print, WAN optimization, and security-focused virtual appliances. From faster and streamlined deployments to simplified management, remote and edge locations can now use Nutanix to run nearly any workload while lowering the over all Total Cost of Ownership (TCO).

Infrastructure Cost & Complexity
- Growing islands of infrastructure
- Unable to manage Growth of locations, data, apps
- Rising Remote Site Support Costs

Operational Cost & Complexity
- Little to no IT-staff on-site
- Lack of consistency across site
- Slow in responding to changing business needs

NUTANIX
Your Enterprise Cloud Platform

FLEXIBLE CONSUMPTION OPTIONS FOR THE EDGE SITES

Nutanix has successfully extended its operating system to the all new NX-1175S platform that will not compromise on data reliability. Single Node Cluster enables replication of data within the node. It will have the storage efficiency features of compression and deduplication and will support all flash and hybrid configurations. The two node cluster is based on a witness. For more details of the NX platform please refer the hardware specifications on our website. Keeping with Nutanix's theme of flexible consumption model, these configurations will also be available from the various OEM partners and as software only deployments. The ROBO solutions comes prepackaged with AHV and can also support ESXi.

STREAMLINE INITIAL DEPLOYMENTS

Typical remote office branch office (ROBO) solutions, which offer little more than legacy products packaged into a single chassis or cabinet, require time-consuming on-site IT for deployment. The Nutanix OS is software-driven architecture that streamlines installation and optimizes on-going performance. Branch solutions can be provisioned at a central location in under an hour then shipped ready to run with a simple connection to a top-of-rack switch. The flexibility to use existing infrastructure, and 1 Gbps Ethernet reduces deployment costs and accelerates time to value even further.

CENTRALIZED MANAGEMENT AND MAINTENANCE OF REMOTE EDGE SITES

Maintaining a branch utilizing onsite IT is an expensive and inefficient method to ROBO deployments. In addition, managing three separate tiers of infrastructure requires special training. Multiplying these requirements across dozens to hundreds of branch locations is often a non-starter. Nutanix Prism offers centralized infrastructure management, one-click simplicity and intelligence for everyday operations and insights into capacity planning and forecast. It makes it possible to schedule upgrades for hundreds of remote sites within a few clicks. Prism also provides network visualization allowing you to troubleshoot basic networking issues, right from the same dashboard. With the scale out capabilities added to the control plane, it is possible to manage as high as 25 thousand VMs and more centrally.

INTEGRATED DATA PROTECTION

Nutanix offers an integrated solution for local on-site backups and replication for central backup and disaster recovery. The powerful Nutanix Time Stream capability allows unlimited VM snapshots to be created on a local cluster for faster RPO and RTO and rapidly restore state when required. Using Prism, customers can schedule local snapshots and replication tasks, and control retention policies on an individual snapshot basis. An intuitive snapshot browser allows customers to quickly see local and remote snapshots and restore or retrieve a saved snapshot or a specific VM within a snapshot with a single click. Snapshots are differential and de-duplicated, hence backup and recovery is automatically optimized, allowing DR and remote backups to be completed efficiently, for different environments.

ENABLING THE EDGE SITES TO BE EFFICIENT AND SELF-SUFFICIENT

We no longer live in a centralized world – especially with the proliferation of decentralized, intelligent devices. As data and applications are increasingly congregating around an enterprise's digital edge, it is imperative to ensure a consistent experience across all clouds including those at the edge.

The Nutanix ROBO solution brings the power of its software stack to a new generation of cloud and Edge environments to standardize IT and operating system for the Edge landscape. Businesses can increase performance, reduce security risks and decrease capital and operational expenses by placing Nutanix at where data is processed.

As the world is moving towards cloud, Nutanix is committed to providing a consistent experience across clouds including these edge compute and ROBO sites. With Nutanix Enterprise Cloud it is possible to enjoy is a unified IT operating environment that melds private, public and distributed clouds, providing a single point of control for managing infrastructure and applications in any cloud.

NUTANIX™
Your Enterprise Cloud Platform