Electronic Health Records (EHRs) are replacing traditional paper and film-based records with the widespread digitalization of patient health records.

Bring the Power of Web-Scale to Electronic Health Records

Whether your organization is a large clinical practice with multiple locations, or a single facility hospital or accountable care organization, EHR can help you streamline workflows and improve your ability to care for patients.

To make the most of today's innovative EHR offerings, IT teams must piece together custom infrastructure solutions using separate servers and storage. In addition, healthcare organizations need improved application performance, coupled with the increased complexity to handle large volumes of information that must be stored and managed by the EHR systems and simultaneously maintain comprehensive data security, confidentiality, and high availability.

INVISIBLE INFRASTRUCTURE FOR HEALTHCARE

Nutanix helps you accelerate your Epic deployment and drive increased adoption with its hyperconverged solution with web-scale architecture. Our flexible and high performance solution has been granted a "High Comfort Level" in Epic's Storage Products and Technology Status (SPATS) document for Epic Web and Service Servers, and Hyperspace servers including Citrix XenApp, Citrix XenDesktop, and VMware Horizon View. This results in a standardized, repeatable, and cost effective solution for your Epic deployment with predictable performance and scalability.

ONE EFFICIENT PLATFORM FOR ALL

Nutanix enables you to virtualize and consolidate your Epic environment on a single cost-effective, hyperconverged cluster using your choice of VMware vSphere or Microsoft Hyper-V. The specific configuration tested by Epic is presented in Table 1. You will benefit from web-scale's many benefits including:

- Predictable scalability and performance
- Improved data access and security
- Simplified scaling and management as number of desktops increase

This means you can deploy desktop and application virtualization using either Citrix XenApp and XenDesktop or Horizon View for Epic Hyperspace on the same Nutanix cluster that hosts your Service servers (Web, Blob, Kuiper, Print, Multi-purpose SQL), without worrying about performance bottlenecks or taking up racks of precious datacenter space.

Scaling is also very simple with Nutanix, allowing you to go from pilot to production and beyond, without re-architecting or incurring any downtime. With Nutanix, you will gain the ability to pay only as you grow your Epic environment.

THE NUTANIX ADVANTAGE

Whether your organization is a large practice with multiple locations, or a single facility hospital or care network, Nutanix delivers invisible infrastructure for your Epic EHR deployment.

- Single web-scale platform for all workloads:

CITRIX® vmware

- Cut power, space, cooling requirements by 50-70%
- Avoid over-provisioning, inefficiencies of 3-tier
- Reduce ongoing management costs by 70%
- Start small and linearly scale performance

NUTANIX™
Your Enterprise Cloud Platform

Recommended VDI config.	Recommended App. Publishing config.
NX-3175-G4	NX-3175-G4
2 x 2697v3 14-core Haswell @ 2.6GHz	2 x 2697v3 14-core Haswell @ 2.6GHz
256GB-512GB RAM (Size RAM based on desktop profile)	256GB RAM
2 x 800GB SSD	2 x 480GB SSD
2 x 4TB HDD	2 x 2TB HDD

Table 1: Configuration tested by Epic. Consult with Epic or your Nutanix representative for alternate system configurations.
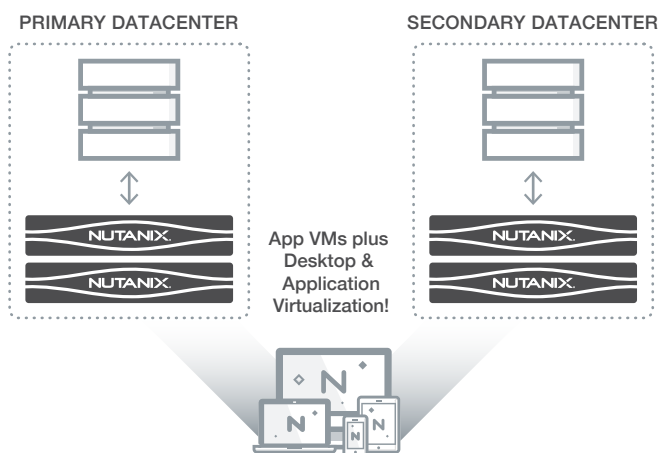
MISSION-CRITICAL AVAILABILITY

Nutanix enables you to maintain mission-critical levels of availability using a combination of powerful features, including tunable redundancy, integrated data protection, Metro Availability, transparent Controller VM failover, and non-disruptive upgrades. Whether you are running your virtualized applications or desktops, you can be assured that it will meet your stringent uptime, RPO, and RTO needs for Epic Web and Service servers, and Hyperspace servers.

CHOOSE SIMPLE

The Nutanix web-scale architecture goes well beyond hyperconvergence by offering you the ability to start small and simply scale to tens and hundreds of nodes, while giving you a simple and efficient way to manage your entire environment. With Nutanix Prism, you get one intuitive console to manage all of your servers and storage, with actionable stats at your fingertips, cutting the time spent managing your infrastructure by 50% or more[1].

Prism Central extends this capability, allowing you to manage your entire infrastructure for EHR across multiple sites from one centralized location. By giving you access to detailed and correlated information for all VMs, compute, and storage, Prism simplifies and speeds troubleshooting, enabling you to locate bottlenecks in minutes, versus hours or even days with traditional server and storage solutions.

PRIMARY DATACENTER   SECONDARY DATACENTER

App VMs plus
Desktop &
Application
Virtualization!

Figure 1: Enhanced patient care with improved data access and security

NUTANIX™
Your Enterprise Cloud Platform

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GETTING STARTED

You can choose to work directly with Nutanix or leverage third-party partner services for your infrastructure and EHR solutions readiness. With Nutanix, you will get the peace-of-mind that comes from working with a single point of contact for all your needs. Contact your authorized Nutanix representative today and arrange for an assessment of your health IT environment and learn more about the latest solutions that fit your needs.

For further information on Nutanix healthcare solutions visit nutanix.com/solutions/healthcare/ and nutanix.com/epic

[1] Taneja Group Field Report: Nutanix versus VCE, October 2014