

# Epic on Nutanix

## NUTANIX AND EPIC JOINT CUSTOMERS

**UWHealth**



**Presence Health**



At Nutanix, we understand the unique needs of healthcare and we know that your Electronic Medical Records (EMR) system is likely the most critical application in your environment. We are acutely aware that you need to make low-risk infrastructure decisions, which is why we make enterprise class infrastructure invisible. Nutanix Enterprise Cloud platform merges the ease of the cloud with the security and performance benefits of on-premise options. Nutanix has worked with Epic for more than five years to develop an impressive, easy to deploy, and manage, offering that supports your entire Epic environment.

Nutanix Hyperconverged Infrastructure (HCI) is a single-tier architecture that is easy to manage and delivers availability with no need for specialized or expensive IT staff. We pioneered invisible infrastructure because we believe that “IT business as usual” hinders your ability to keep pace with the increasing velocity of data, stifles innovation, and prevents it from realizing modern architecture benefits. We know that up to 80% of an IT department’s budget is used to simply “keep the lights on”, leaving only 20% of the budget for clinical innovation<sup>1</sup>. Nutanix gives IT departments the power to innovate through a new, sustainable approach to Epic allowing flexibility to invest in patient care initiatives. And you will have time to implement these new innovations because Nutanix can cut IT infrastructure management time by as much as 70% compared to traditional infrastructure.

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## NUTANIX HCI BENEFITS

- 61% more efficient to deploy, manage, and support<sup>2</sup>
- 97% fewer unplanned outages<sup>2</sup>
- 60% lower TCO<sup>2</sup>

“There was a dramatic improvement the day we cut over to Nutanix— the exception rate plummeted from 0.8% to just 0.4%. That doesn’t sound like a big change, but it’s pretty incredible”

– Jeremy Bernstein, Interim CTO,  
Presence Health

[Presence Health Case Study](#)

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## DEDICATED TO CUSTOMER SUCCESS

We know that success in the healthcare industry requires both technology solutions that are easy to use, and a technology partner that is fully invested in customer success. Nutanix consistently earns a Net Promoter Score of 90 or greater (NPS 92<sup>3</sup> as of Jan 2020). This unwavering commitment to customer success has once again driven Nutanix to be named a leader in the **2019 Gartner Magic Quadrant** for Hyperconverged Infrastructure for the third time in a row, and positioned highest for ability to execute.



Presentation  
Hyperspace



Foundation Components  
Web and Service Tier



Reporting  
Cogito Analytics



Operational Data  
Cache ODB



Imaging, Documents  
Web BLOB

“With the capabilities Nutanix has brought in, we’ve been able to get the login time [from 150 seconds] down to eight to nine seconds.”

– Carl Frank, Server Team Manager,  
University of Wisconsin Health

[UW Health Case Study](#)

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## COMPLETE SOLUTION FOR EPIC

Nutanix is the most commonly used HCI solution within the Epic customer community, that is capable of running the entire Epic environment including: Operational Database (ODB), Cogito Suite, Hyperspace, Web and Service Servers, Web BLOB storage, and third-party complementary applications<sup>4</sup>.

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## HIGH-PERFORMANCE EPIC DATABASES

Nutanix HCI can host both the Operational Database (ODB) and the Cogito Reporting Suite, including: Clarity, Caboodle, and SAP BusinessObjects. Database performance is delivered by the use of low latency NVMe based storage. Nutanix delivers sub-millisecond response times and multiple gigabytes per second of throughput on a simple and scalable platform. Complex configuration requirements like Raw Device Mappings are replaced by simple virtualized volume management which makes it easy to automate storage based backups and quickly provision or refresh ODB and Cogito support environments.

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## EPIC HYPERSPACE

Nutanix HCI simplifies the delivery of Hyperspace client services with linear scaling, intuitive management, and predictable performance. Hyperspace has been validated on Nutanix with [LoginVSI](#) and by production customers. Epic includes Nutanix HCI in the Hyperspace Capacity Assessment process, reducing procurement and production risks. Move forward with confidence knowing you are deploying the right amount of capacity needed to meet your requirements.

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## SCALABLE STORAGE FOR EPIC WEB BLOB

[Nutanix Files](#) is an easy to deploy, highly-available, virtualized NAS solution for your entire Epic deployment, including Web BLOB, home directories, user profiles, departmental shares, application logs, backups, and archives.

Unlike standalone NAS appliances, Files combines virtual machine and file storage onto the same platform reducing costs and simplifying administration. Files can be deployed along with other Epic services to reduce the total amount of hardware required. It is fully integrated into the standard Nutanix management interface so there are no new tools to deploy or learn. It is a flexible NAS solution that includes advanced features like file analytics, monitoring, and auditing that help you keep your data safe and gives you insight into usage.

“We have a regular extract, transform, load (ETL) window for our analytics application, the Nutanix system has performed five times faster (or in one-fifth the time).”

- David Lehr, Chief Information Officer, Anne Arundel Medical Center

### Anne Arundel Case Study

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## SIMPLE AND FLEXIBLE

Nutanix makes it one-click easy for you to deploy, expand, and upgrade capacity matching Epic's recommended scaled (buy-as-needed) approach to infrastructure procurement. You choose the server hardware and hypervisor. **Nutanix AHV** is included with every Nutanix system and can be deployed day one (or later) using the one-click Convert Cluster feature. This robust and easy-to-use, high-performance platform includes first-class third-party tool integration including Citrix, Commvault, Imprivata, Microsoft, Rubrik, SAP, Veeam, and Veritas NetBackup. All of which can be deployed on a wide variety of x86 servers and IBM Power systems.

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## SERIOUS ABOUT SECURITY

Nutanix takes a security-first approach with built-in defense-in-depth features, including secure development processes, baked-in security baselines with continuous validation, micro-segmentation, and data-at-rest encryption.

For advanced network management and security services, look to **Nutanix Flow**. Nutanix Flow gives you visibility into the virtual network, application-centric protection from network threats and automation of common networking operations.

Fully integrated into Nutanix Enterprise Cloud, with Flow you can deploy software-defined virtual networking without the complexity of installing and managing additional products with separate management and software maintenance requirements.

Nutanix HCI is a fully distributed architecture with no single point of failure that exceeds the availability of traditional infrastructure. Should a hardware failure occur, Nutanix heals itself quickly restoring full protection, reducing the risk of an application outage and shortening the meantime to repair (MTTR).

1 Source: [https://www.ventanaresearch.com/white-paper/operations\\_and\\_supply\\_chain/beyond-keeping-the-lights-on/thank-you](https://www.ventanaresearch.com/white-paper/operations_and_supply_chain/beyond-keeping-the-lights-on/thank-you)

2 Source: IDC White Paper, sponsored by Nutanix, Organizations Leverage Nutanix Enterprise Cloud as Scalable, High-Performing, and Cost-Effective Infrastructure Foundation, January 2020

3 Source: <https://customer.guru/net-promoter-score/nutanix>

4 Source: Epic SPATS March 2020

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## GETTING STARTED WITH NUTANIX

With its flexible, scalable architecture, simplified management, performance, and enterprise-class storage features, Nutanix Enterprise Cloud is the smart infrastructure choice for your Epic deployment. To learn how Nutanix can help you move forward, contact Nutanix at [Epic@nutanix.com](mailto:Epic@nutanix.com), follow us on [Twitter @nutanix](https://twitter.com/nutanix), send us a request at [www.nutanix.com/demo](http://www.nutanix.com/demo) to set up your own customized briefing or visit us at [nutanix.com/healthcare](http://nutanix.com/healthcare) to learn more.



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