

## CASE STUDY

# Tintri IntelliFlash™ Proves to Be State-of-the-Heart for Oklahoma Hospital

# IntelliFlash



OKLAHOMA  
HEART HOSPITAL

Oklahoma Heart Hospital brings world-class medical expertise and compassion to the care of every patient. The physician-owned facility considers every facet of a heart patient's care and hospital stay to ensure a patient-centered care experience that delivers better outcomes.

## The Challenge: Finding the Best-Performing Storage to Handle Large-Scale XenDesktop VDI Deployment

As the nation's first all-digital hospital that's focused on healthcare, Oklahoma Heart Hospital saves valuable time for patients by making information readily available to doctors and nurses. X-rays, lab results, vital signs, and medications are right at the caregivers' fingertips. This approach has helped the hospital achieve a ranking in the top 1% nationally for patient satisfaction.

Oklahoma Heart Hospital has embraced virtualization to support its mission-critical applications. With a traditional tiered storage model in place, Oklahoma Heart Hospital wanted to evaluate new options that would allow faster boot times and quicker reads to benefit its Citrix XenDesktop VDI environment.

With speed and performance being the main criteria required in building its new storage infrastructure for VDI and XenApp, the IT staff at Oklahoma Heart Hospital began to look for the fastest, highest-performing SAN hardware available.

"Specifically, what I was after was something that was excellent for VDI, that keeps I/O latency down, that keeps network utilization down, with a good amount of storage and an excellent amount of speed, and basically the best performance I could find," said David Stinson, Senior IT Specialist for Oklahoma Heart Hospital.

## The Solution: Tintri IntelliFlash

Stinson decided to bring in the best-performing solutions with the largest amounts of flash from major storage vendors to run real-world tests in the hospital's production environment to measure, compare, and decide which would be the best fit. Placing the test environment in the middle of Oklahoma Heart Hospital's data center as a production machine, Stinson tested performance of each solution while deploying 100 VDIs, eventually scaling to 500, utilizing tools such as Iometer, hypervisor to storage performance testing, startups, shutdowns, and VDI updates and reboots. Results were recorded and evaluated against each other.

"Basically, every vendor had its drawbacks somewhere," said Stinson. Some solutions were deemed too complex with too much management required to get it to achieved required performance levels. Others had limitations out of the box, such as the lack of replication, which would require workarounds to get the required services in place.

Then one of Oklahoma Heart Hospital's former Citrix reps called and said he was now representing Tintri's IntelliFlash solution and asked if the hospital would be interested in some storage. At first, Stinson passed because his test spots were already filled, but after thinking about it, he pushed out one of the vendors and brought in the IntelliFlash system. Despite being the last solution looked at, IntelliFlash made a good impression on Stinson.

## The Results: Tintri IntelliFlash Supports Oklahoma Heart Hospital's Virtualized Environment

Tintri IntelliFlash supports the Citrix virtualization environment for Oklahoma Heart Hospital's main facilities with plans to replicate snapshots to its South Campus shortly. Currently, the hospital hosts more than 300 Citrix XenApp Servers and hundreds of virtual apps and VDI

## Challenges

- Medical laws, regulations and commissions putting new pressures on IT
- Massive data sprawl challenges
- Old processes slowing down patient care

## Solution

- Tintri IntelliFlash

## Results

- Data sprawl under control
- Regulatory pressures addressed with state-of-the-art EMR systems
- 62,000 more patient visits per year by accelerating IT with flash storage



**Tintri**  
Intelligent Infrastructure

desktops, as well as mock and training environments. As additional doctors, nurses and staff commit to VDI, Stinson expects to roll out to 1,500 desktops. Western Digital is also now “in the discussion” to serve as the storage component for additional hospital services and groups.

“IntelliFlash has all the capabilities – replication, all the storage protocols, all high speed, ease of use, snapshotting ... I could go on and on. On top of that, we did all the real world testing and that just nailed it down. I knew I had found the best performance – IntelliFlash is very impressive.”

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*David Stinson, Senior IT Specialist, Oklahoma Heart Hospital*

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Experience Different! For more information on how Tintri IntelliFlash can turbo-charge your business success through a simple, Intelligent Infrastructure, visit [tintri.com/intelliflash](http://tintri.com/intelliflash).