ViTAL

Customer Profile Allina Health

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Allina Health is dedicated to the prevention and treatment of illness and enhancing the greater health of individuals, families and communities throughout Minnesota and western Wisconsin. A not-for-profit health care system, Allina Health cares for patients from beginning to end of life with hospitals, clinics, pharmacies, and specialty medical services including hospice care, oxygen and home medical equipment, and emergency medical transportation.

Hospitals: 12
In-Patient Hospital Admissions per Year: 105,000
Radiologic Studies per Month: 80,000
Outpatient and Specialty Clinics: 90+
Physicians (Employed and Associated): 5,000
Employees: 24,000

The Challenge

Allina Health announced that all of its hospitals met the First Stage of Meaningful Use in 2011. To continue with their efforts, Allina needed to implement the appropriate technology to be able to attest to Stage Two Meaningful Use for image results, which included providing fast and convenient access to all of the images stored in their various PACS systems.

Why Vital?

Vitrea® View, Vital's universal viewer, integrates seamlessly with Epic, Allina's electronic medical record system (EMR). Vitrea View helps to deliver medical images within Allina's current workflow of reading radiologic reports and meets or exceeds their requirements for:

- Ease of use: Vitrea View provides a solution that is fast, intuitive, and easy to learn
- Single sign-on: Vitrea View is accessible via single sign-on for more than 20,000 Epic workstations
- Average time to launch first image — less than 5 seconds for all modality types, with the exception of Mammogram or studies with more than 5 series, which should launch first image in less than 10 seconds: Vitrea View is providing average times in the 3-5 second range.
- Scalability: please see the table below

"Partnering with Vital gave us the opportunity to bring leading-edge technology into our culture of providing our patients with seamless, coordinated, and more-informed care.

We have one of the most comprehensive electronic medical record systems in the nation and we are now looking at and using images in ways we never could before.

Vitrea View is fast and works intuitively. The ease with which we can share images among providers helps us meet and exceed our goals for patient care and patient satisfaction."

Chad Johnson
Manager, Medical Technology Systems

	Requirement	Actual (after 3 months)	Actual (after 6 months)	Actual (after 9 months)
Number of users	scale to meet need	180 per day average	265 per day average	450 per day average
Studies accessed per day	scale to meet need	320	554	928

References

- Dr. Anthony Berliner
  - Internal Medicine, Hospitalist. Epic Medical Director
- Dr. Steven P. Hanovich
  - Cardiac Care, ICU, Hospitalist
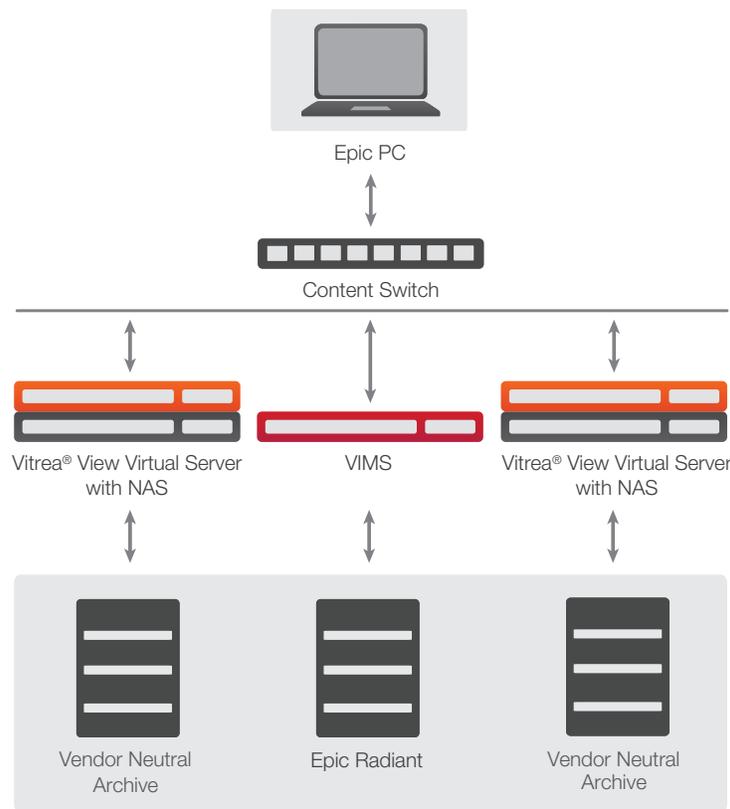- Chad Johnson
  - Manager, Medical Technology Systems

Implementation

- Allina's Epic EMR includes more than 20,000 EMR workstations.
- Storage of images is handled by Acuo, a vendor neutral archive (VNA), with a cache set with a high-water mark of 20%-to-capacity limit.
- Two Vitrea View servers with Network Attached Storage (NAS) and a load balancer were installed in a virtual environment.
- The servers were placed on a gigabit switch and active directory integration was implemented. No proxy servers were used.

> "Vitrea View provides access to images that is much more convenient than our previous process, which involved logging into a separate viewer and waiting for it to bring up the images.
>
> Since access is quicker and because Vitrea View makes it easy to look at images while we are in the EMR, we are absolutely looking at more images and getting greater value from them."
>
> EMR Medical Director
> *Allina*

Epic PC

Content Switch

Vitrea® View Virtual Server with NAS

VIMS

Vitrea® View Virtual Server with NAS

Vendor Neutral Archive

Epic Radiant

Vendor Neutral Archive

When accessed from a mobile tablet, Vitrea View is for informational purposes only and not intended for diagnostic use. Vitrea® is a registered trademark in the US and may have protection in other countries.