



High Availability in Action

Rush Memorial Ensures Business Continuity with Iguana and iINTERFACEWARE

ABOUT RUSH MEMORIAL HOSPITAL:

Rush Memorial Hospital is a 25 bed general medical and surgical hospital in Rushville Indiana. Their Information System Department achieved Stage 6 on the EMR Adoption ModelSM awarded by HIMSS Analytics and was named the Most Wired for Small and Rural Healthcare Facilities by Hospitals & Health Networks magazine for the fourth year in a row in 2016.

CHALLENGE:

Network and system downtime can result in lost revenue, reputational damage, and legal issues, making it crucial to have a High Availability solution.

SOLUTION:

iINTERFACEWARE designed and implemented a High Availability architecture for Rush Memorial Hospital to make certain that mission critical systems are always online.

RESULTS:

With a strong High Availability architecture based on redundancy and failover in place, Rush Memorial never has to worry about system components failing.

Lost revenue. Decreased productivity. Putting your patients lives in danger.

These are just a few of the repercussions of having your hospital's systems and applications go down.

One of the nation's most progressive hospitals, Rush Memorial Hospital knows how vital it is for the health of their business and their patients to have a High Availability strategy in place. Rush Memorial's Information System Department achieved Stage 6 on the EMR Adoption ModelSM awarded by HIMSS Analytics and was named the Most Wired for Small and Rural Healthcare Facilities by Hospitals & Health Networks magazine for the fourth year in a row in 2016. With so many medical devices,



applications, and systems connected, network failures are not an option.

So what does a High Availability strategy look like for a state of the art hospital like Rush Memorial?

For Jim Boyer, VP of Information Technology and CIO at Rush Memorial, creating a High Availability strategy begins with identifying mission critical systems and ensuring that those systems are setup for automated failover.

“We send information from telemetry, PACS, and pharmaceutical information to our EMR and other ancillary clinical systems and none of those can ever be down,” said Boyer.

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When assisting Rush Memorial with designing and implementing a High Availability architecture, iNTERFACEWARE ensured that their solution was centred around redundancy and failover—the two cornerstones of High Availability.

As part of their High Availability package, iNTERFACEWARE set up primary and secondary load balancers for Rush Memorial so that if one goes down, the other kicks in almost instantaneously and operations are able to continue without any downtime or data loss. iNTERFACEWARE also set up two Iguana integration engines in case the server hosting the primary Iguana experiences downtime. The two copies of Iguana monitor each other using software developed in-house by iNTERFACEWARE.

This level of redundancy provides peace of mind for Boyer, his IT staff and the senior executives. “We never have to worry about any components

failing because there are backups in place at every stage,” said Boyer.

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The flexible nature of the Iguana integration engine means that it can be configured to fit into any kind of High Availability approach. This is due to the fact that Iguana has no external dependencies. This degree of flexibility allows customers to select the High Availability strategy that best suits their overall needs rather than being forced into a specific choice. No matter the operating system (Windows, OS X, or Linux), the cluster configuration (active/active, active/passive, etc.), or platform (Amazon EC2, Microsoft Windows Azure, VMWare Vmotion, and many more), the Iguana integration engine plays nicely across a wide range of High Availability configurations.

To learn more about how to ensure business continuity and data flow for all your systems using High Availability, contact iNTERFACEWARE today.

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ABOUT iNTERFACEWARE®:

Since 1997, iNTERFACEWARE has been on a mission to make healthcare data integration easier. Today, over 800 healthcare providers and software companies rely on iNTERFACEWARE's software, services and support to exchange information between incompatible systems. iNTERFACEWARE's Iguana® integration engine is used globally for rapid integration with EMRs, Billing Systems, Medical Devices, Supply Chain Management, Health Information Exchanges and much more.