



nClouds Case Studies



Benefits Summary



Operational Efficiencies



Improved Governance



Optimization

About BlueBin

BlueBin's mission is to dramatically improve healthcare. The BlueBin solution fuses cutting-edge technology with lean methodologies and principles to provide an operating system capable of managing all of the medical supplies in all areas of the hospital or other healthcare environment.

The BlueBin Kanban Solution is a visual replenishment system that helps ensure supplies are delivered to the right place, in the right quantity, at the right time. This process provides immediate, tangible, and measurable advances in lean growth, removing ambiguities and overcompensation of supply systems.

Industry

Healthcare Supply Chain and Inventory Management

Location

Seattle, Washington

Featured Services

Well-Architected Framework Review, AWS Managed Services, Amazon FSx for Windows File Server, AWS Managed Microsoft AD, Amazon RDS for SQL Server, CloudEndure DR for Microsoft SQL Server, Trend Micro Cloud One

CHALLENGE

Provide Secure Access to Numerous Partners and Hospitals while Ensuring the Security and Integrity of Sensitive Data

- The existing workload was deployed five years prior, and the management team was concerned that essential best practices related to security, reliability, and daily operations were not in place.
- SQL Server versions running on EC2 instances were already end of life (EOL).
- AWS Managed Services that could lower administrative overhead were provisioned and tested, but there was no clear path for migrating production workloads.
- BlueBin needed to provide secure access to numerous partners and hospitals while ensuring the security and integrity of sensitive data.



SOLUTIONS

Strengthening Security and Ensuring Resilience on AWS

- To first identify any gaps in security, performance, or reliability, nClouds (formerly Cloudnexa) performed an exhaustive Well-Architected Review where areas of improvement were identified for all AWS services in use or recommended.
- VPCs were built with network layers to accommodate different reachability requirements and allow for more granular control of traffic using a defense-in-depth approach.
- Windows Workloads were replatformed using AWS Managed Services like Amazon FSx for Windows File Server, AWS Managed Microsoft AD, and Amazon RDS for SQL Server.
- CloudEndure DR for Microsoft SQL Server was used for SQL Server databases that could only be rehosted due to licensing restrictions.
- Trend Micro Cloud One was used to provide intrusion prevention, antimalware, and integrity.



RESULTS

Enhancing Business Operations through AWS



Operational Efficiencies

Using fully managed AWS services to host Windows Workloads allowed for the rapid deployment and testing of scalable, durable, highly available infrastructure.



Improved Governance

The AWS Backup Service allows for centralized backup lifecycle management of compute, database, and file server resources.



Optimization

Costs were reduced on Development EC2 and RDS resources by using the AWS Solution Implementation for AWS Instance Scheduler.

