![LIMA logo]

Gloucestershire Hospitals NHS Foundation Trust migrates to the cloud with VMware Cloud Foundation.

Gloucestershire Hospitals NHS Foundation Trust provides high-quality healthcare for the entire population of Gloucestershire. The NHS Trust has around 8,000 staff and provides specialised hospital services from two sites at Gloucestershire Royal and Cheltenham General Hospital. The Trust's five-year strategic plan lays out a programme to provide and improve patient care through a significant digital transformation.

"VMware Cloud Foundation provided the platform to enable home-working during the COVID-19 pandemic. We had over 2,000 staff logging on remotely each day, which was previously unthinkable." **Tim Mullan, IT Transformation Programme Lead at Gloucestershire Hospitals NHS Foundation Trust.**

Gloucestershire Hospitals NHS Foundation Trust needed a robust and reliable foundation for the critical electronic patient records system that doctors and nurses would rely on every day and a cost-efficient path for its journey to the cloud.

After listening to the Trust's requirements, LIMA Networks identified VMware Cloud Foundation™ as offering an optimal solution for the Trust's transformation journey.

The LIMA solution specialists' expertise and commitment were critical to the NHS Trust deploying the solution, which combines VMware vSAN™ for storage, VMware NSX® Data Centre networking and VMware vRealize® Suite for management and automation, in just nine months.

The trust is now able to use IT resources more efficiently and is prepared to migrate its systems to the public cloud.

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Challenges addressed

- Modernised legacy data centre to build an electronic patient record system that can be accessed anywhere, on any device.

- Identified the optimal solution for digital transformation journey, gaining mobility, scalability and agility.

- Deployed a new solution at speed with the help of an experienced solutions provider.

Technology implemented

Gloucestershire NHS turned to solutions partner LIMA Networks for help. LIMA recommended VMware Cloud Foundation™ to support their digital transformation, with VMware vSAN™ the ideal storage platform to power VMware Cloud Foundation as a full-stack hyperconverged infrastructure (HCI) solution. Cloud Foundation also leverages VMware NSX® Data Center and VMware vRealize® Suite.

The deliverables

The team at Gloucestershire NHS was really forward-thinking; the support from LIMA was critical to them successfully implementing VMware Cloud Foundation. LIMA devoted a network specialist, a server infrastructure specialist and a VMware specialist to work with Gloucestershire NHS. Although the engineers at Gloucestershire NHS managed the system day-to-day, LIMA's expertise was vital for completing the implementation in such a short space of time, whilst ensuring that the system met the needs of the Trust.

VMware Cloud Foundation provided the backbone for the suite of products that Gloucestershire NHS needed to deliver their digital transformation programme. The platform now supports upwards of 50-plus clinical systems along with corporate, building management and IT infrastructure systems.

These critical systems simplify the management of IT, enable the introduction of electronic patient records and improve collaborative working across diverse medical teams. It now provides capacity for 2,000 virtual desktops which allows staff to work remotely.

Benefits and outcomes

VMware Cloud Foundation enables consistent, secure infrastructure to support the Trust's digital transformation and, specifically, its new electronic patient record system. When the Trust had to facilitate remote working during the COVID-19 pandemic, Cloud Foundation also provided the platform to give staff remote access to work from home.

Built on full-stack HCI technology, the VMware Cloud Foundation hybrid cloud platform enables consistent, secure infrastructure and operations. Together, vSAN, NSX Data Center and vRealize Suite provide a robust and resilient foundation to support the Trust's digital transformation and, specifically, its new electronic patient record system. Doctors and nurses can now find anything they need to know about a patient from anywhere and on any device.

Our capabilities cover the full IT portfolio, enabling us to provide solutions to some of the biggest technology challenges affecting the healthcare sector.

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