



West Suffolk NHS Foundation Trust

Pivot3 Case Study

Hyperconverged solution for VDI

Industry

Healthcare

Location

Bury St Edmunds, England

Key Challenges

The Trust wanted to streamline EPR system access - particularly in the ED and AMU departments - to free up vital clinician time.

Solution

A 'Tap-and-Go' solution improves governance and increases clinical efficiency reducing log-in times by more than 75%

Business Benefits

- Streamlined workflows, especially in the Emergency Department, where minutes or even seconds can make a real difference
- Increased governance – staff are now using e-Care with their own secure credentials
- Greater accountability – no more shared credentials or generic users
- Scalability to other departments
- Optional remote access functionality
- Fully managed service by ITHealth
- No multiple passwords to remember – reduced calls to the helpdesk
- 'Fade-to-lock' – keeping unlocked workstations secure

West Suffolk NHS Foundation Trust streamlines clinical workflows and reduces log-in time by more than 75%

About the Customer

West Suffolk NHS Foundation Trust (WSFT) provides hospital and community health services to the 275,000 population of West Suffolk. This includes the 430 bed West Suffolk Hospital where services include: Accident and Emergency, Surgery, Medicine, Cardiology, Oncology and Women's and Children's services including maternity. The Trust vision is for its workforce of almost 4000 staff to deliver the best quality and safest care for its patients, as recognised recently by the CQC which rated WSFT as 'Outstanding'.

The Challenge

In May 2016, West Suffolk replaced its near 20-year old PAS (patient administration system) with Cerner's Millennium EPR (electronic patient records system), known locally as e-Care – or FirstNet within the ED department. Whilst the introduction of e-Care already brought huge benefits to the Trust, WSFT were keen to optimise the technology to further benefit patient care. The Trust knew that access to e-Care could be more efficient – particularly in its Emergency Department (ED) where clinicians frequently switch workstations and access multiple applications. Each workstation and application requires its own log-in credentials and password, so clinicians were finding that sign-on procedures were often being repeated. This repetitive authentication process was using up vital clinician time – time that could be better spent on patient care. It also created a significant governance issue. The time-consuming nature of logging in and out left a temptation for workarounds – users may have been inclined to share credentials and / or leave Cerner logged in. The Trust recognised that it needed to tighten up security and find a solution which was more secure, but also fast and simple.

The Solution

West Suffolk turned to ITHealth with whom they had an existing relationship and had come to trust on NHS IT security matters. To enable clinicians to be more agile in their workstation-switching / session roaming environment, ITHealth proposed a fully managed follow-me desktop solution – using a 'tapand-go' method leveraging the

“The Tap-and-go implementation has been very helpful in our busy Emergency Department, enabling ED clinicians to move from one workstation to another. It has greatly improved log in times, enabling clinicians to have more time for patient care.”

– Alain Sauvage, Emergency Department Consultant, WSFT

WSFT staff ID badges. A solution otherwise known as ‘FLOW’. A key feature of FLOW is the ability for virtual desktop infrastructure (VDI) to maintain a ‘live’ desktop. The virtual desktop is hosted centrally and includes keeping the user’s connection to Cerner using session persistence. FLOW effectively enables a clinician to use their ID badge to ‘tap in’ to a session on a workstation, view relevant record/s and then ‘tap out’, leaving that workstation free for the next user. When the clinician next ‘taps in’ on another FLOW enabled machine, the session is retained exactly as they had left it, allowing the clinician to swiftly carry on with their work, massively reducing log-in time. ITHealth implemented both Pivot 3 and Imprivata technologies to deliver the solution. Pivot 3’s hyper-converged infrastructure (HCI) provided the high speed back-end for VDI and Imprivata’s OneSign technology allowed a single point of authentication – clinicians were only required to authenticate at the start of a shift, eliminating the need to remember or enter multiple application usernames and passwords. Initial implementation of FLOW was geared for West Suffolk’s ED and AMU (Acute Medical Unit) departments covering approximately 200 registered users.

The Results

The resounding feedback from West Suffolk clinicians on the FLOW solution is that they ‘love it’. The ‘tap-and-go’ process has dramatically streamlined workflows, increasing productivity and providing huge time-savings. Time-saving example: Over 30 days a clinician logged-in on average 450 times - a total of 4.5 hours logging-in time. With tap-and-go, time spent logging in reduced to just 1 hour.

About Pivot3

Pivot3’s intelligent hybrid cloud and IoT-surveillance solutions provide security, resilience and management simplicity at scale for customers’ mission-critical IT environments. Powered by the industry’s only Intelligence Engine, Pivot3 automates the management of multiple, mixed application workloads, delivers industry-leading performance, eliminates unplanned downtime and data loss, and reduces the cost of traditional IT infrastructure by half or more. With thousands of customers in over 60 countries and deployments in education, hospitality, transportation, government, defense, healthcare, gaming, financial services and retail, Pivot3 allows IT to manage complexity at scale through intelligence and automation.

About ITHealth

ITHealth provides NHS organisations with proven and trusted IT security and access management solutions. Whether it’s providing fast, reliable, and secure access for NHS mobile workers, or finding effective ways to reduce threats while improving productivity and clinical workflows, ITHealth’s cost-effective solutions mean NHS systems and data are always secure, easy to access, and simple to manage.

For more information, visit [Pivot3.com](https://www.pivot3.com)