



Luminate Education Group Secures Bright Future with Fabric

Challenges

- Increase network capacity for increasing number of connected campuses and devices
- Improve security and compliance
- Continued expansion of operations and physical campuses will need additional coverage
- Minimize burden on small IT team of seven

Extreme Solutions

- ExtremeCloud™ IQ – Site Engine
- Extreme Fabric Connect
- ExtremeWireless™
- ExtremeSwitching™

“The Extreme platform that we investigated and implemented five years ago has allowed us to modernize and improve our staff and student experience massively.”

Dave Newsham,
Head of ITSS Service Delivery,
Luminate Education Group

Luminate Education Group is a collective of education providers which includes Leeds City College, Harrogate College, Keighley College, Leeds Sixth Form College, University Centre Leeds, and Leeds Conservatoire, totaling 17 campuses throughout Yorkshire, England. The group supports around 30,000 students and over 2,000 staff members.

Luminate Education Group wanted to create a robust, resilient, and reliable network infrastructure that would provide connectivity, and set a foundation for future expansion and deployments across all campus locations. Responsible for more than 7,500 wireless devices, not including student and staff personal devices, and 4,000 desktops, the group needed a solution that would make their network easier to manage whilst also providing additional capacity, security and scalability.

In partnership with Syscomm and Extreme Networks, Luminate Education Group deployed a complete wired, wireless, and fabric network managed by ExtremeCloud IQ Site Engine to all of its physical campuses. Syscomm, who run their own nationwide network and data centers on Extreme Fabric, provided detailed insight into network design and solution architecture that made it easy for Luminate to scale the deployment across a growing footprint. Since the initial deployment, the group has worked with Syscomm to deploy Extreme solutions at multiple new locations, completed hundreds of infrastructure upgrades, and launched an Extreme Academy thanks to the scalability and power of their network.



“We have full sight of our infrastructure, our wireless network, we can track client activity from point of authentication all in real time. My team is able to see and monitor traffic from across the whole of our campuses. We can act as if we are on site using Fabric Connect. Site Engine gives us the ability to monitor, maintain, and manage all our core distribution and edge switches from a central point of view.”

Dave Newsham, Head of ITSS Service Delivery, Luminate Education Group

“One of the main concerns was making sure the burden on my IT team was reduced, and the utilities put in place – Extreme Fabric, ExtremeSwitching, and ExtremeCloud IQ – on our very large and very complex network enables my small team to do their job with ease and not as much burden as five years ago.”

Dave Newsham,
Head of ITSS Service Delivery,
Luminate Education Group

Results



Futureproof, Scalable Fabric Network

- Scalable bandwidth and security capabilities of Fabric enables continued growth of network as physical campuses are expanded
- Network implemented five years ago continues to be built upon without any interruption or downtime



Exceptional User Experience

- Uninterrupted connectivity for thousands of end-users across 14 locations ensures operations and learning environments benefit from Wi-Fi, and are not hindered by it
- Introduction of Extreme Academy enriches technological curriculum for students, faculty, and IT team
- Wireless support for cutting-edge technologies and programs like Esports, digital arts, and more



Game Changing Network Management

- Full view of network performance, activity, and health from central point of view
- IT team can remotely address issues and fulfill requests as if they were on site
- Small IT team unburdened of managing a massive, cross locational network
- Ongoing support from dedicated team at Syscomm

“Working with Syscomm it gives us that extra value that they offer from a designs and solutions architect point of view. It’s a really good working relationship, and they assist us with our design implementation.”

Dave Newsham, Head of ITSS Service Delivery, Luminate Education Group



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