

ACL DIGITAL HELPS A LEADING PROVIDER OF WIRELESS BROADBAND SOLUTIONS

for Web Application Development and Support of Enterprise Wi-Fi Products



Service: Network Infrastructure

OVERVIEW

The client is one of the leading global providers of wireless solutions that connect people, places, and things in the USA. With a single network architecture spanning fixed wireless and Wi-Fi, the company enables operators to achieve maximum performance with minimal spectrum.

CHALLENGES



To allow customers to manage and control specific access points using a GUI interface



Due to limitations in the backend system (Device Memory), we had to create a GUI source code not exceeding 2MB of data



The client was heavily reliant on CLI (Command Line Interface), and we had to develop and support a GUI interface that was more user-friendly



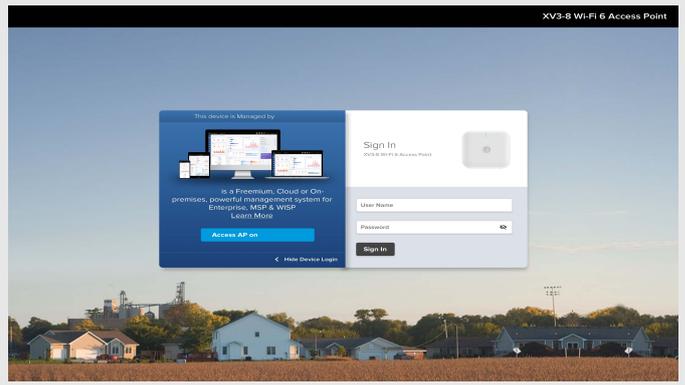
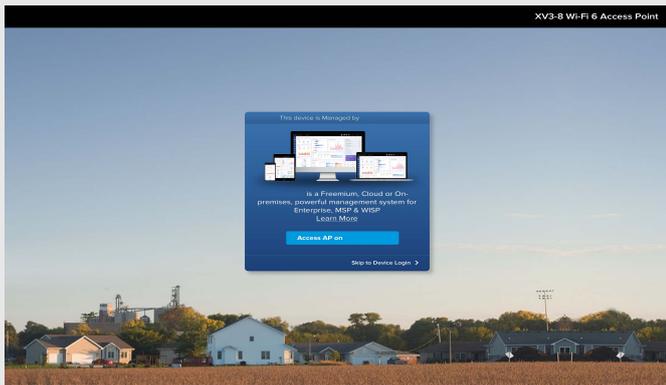
To design and build a separate GUI interface and create a GUI mock-up



To incorporate multiple technologies and develop a tailored solution to manage numerous wireless devices and products

SOLUTION

- 1 ACL Digital partnered with the client and provided a state-of-the-art solution to release the software using the GUI interface. Also, during coding and unit testing, the team ran automated unit tests on Jenkins to share the results
- 2 We developed and managed Wi-Fi products that have multiple features with continuous integration. All the attributes of wireless products were addressed using test automation, including backend codes, APIs, and UI's
- 3 Developed an application program highlighting all the essential elements of wireless products, including a platform where users can navigate into the cloud environment without any hassle



OUTCOMES

- Multifaceted features of the web-based application for enterprise Wi-Fi products
- Robust with a completely new UI/UX design
- Highly deployable and more manageable application with streamlined information of all the wireless products

ACL Digital is a design-led Digital Experience, Product Innovation, Engineering and Enterprise IT offerings leader. From strategy, to design, implementation and management we help accelerate innovation and transform businesses. ACL Digital is a part of ALTEN group, a leader in technology consulting and engineering services.

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