# STEP

## SUCCESS STORY

# DEPLOYING FABRIC COUNTY WIDE

**A large county's government in Florida determined it needed to partner with STEP due to lack of in-house engineering talent required to deploy fabric throughout the county.**

**Client:** Large County in Florida
**Solution:** Dashboard/Fabric Connect

**2.7 Million** Population

**1.9 Million** Square Miles

**4 Years** Client History

## 1 Challenges:

Like most large county governments in the U.S., older networks begin to age and struggle to keep up with the growing demands. A new simplified way was needed to design, build, and manage networks based on enhanced shortest path bridging – ensuring the county's network would be flexible, automated, and secure. The county had multiple platforms and needed to standardize across the board. Finding a solution to bring all agencies together and consolidate them under one management team was critical.

## 2 Solutions:

Rather than layering protocols, Extreme Fabric Connect simplifies the network by using a single, advanced control plane for all the county's routing, switching, multicast and segmented traffic. With just one protocol, the network is simpler to design, operate, and troubleshoot. With the need to supplement and assist the county's engineering talent on hand to implement Extreme Fabric, STEP began in the data center, then transit, and port, and eventually the majority of the county was covered with Extreme Fabric, site engine, and NAC (Network Access Control). Extreme Automated Campus was implemented to simplify the NAC deployment and enable troubleshooting and configuring. To simplify the process of onboarding devices to the network, Extreme Automated Campus was implemented. Extreme Fabric L3VSN Services were used across the county to enable hyper-segmentation across agencies.

## 3 Outcome:

In total, hundreds of Extreme Fabric switches were deployed, and the final result was a significant reduction in the engineering hours it took to manage and maintain the county's infrastructure. With improved security and with an overall increase in stability, the county significantly reduced the number of protocols as well as the number of touch points. Preparing for the future was vital. Be deploying Extreme Fabric in the core and distribution layers, they county will now be prepared to push the technology to the far edge of the network with wireless. Most importantly, all agencies were consolidated under one platform for training and management purposes.

## Why STEP?

STEP is an award-winning, nationwide IT services engineering firm known for providing cutting-edge services and solving complex IT challenges through a blend of experience and expertise. STEP is not just a vendor but a partner - ready to meet your needs promptly and efficiently.

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