



Kentucky County Embraces Technology to Better Serve Citizens and Communities

Scott County Local Government leads the Commonwealth in growth and is utilizing STEP CG's Network Connectivity Solutions to improve service delivery to its citizens.



Kentucky's Scott County has experienced record growth over the past decade with its population increasing by nearly 19 percent, making it the fastest growing county in the Commonwealth. This growth has posed some challenges, particularly to local government's legacy IT infrastructure and its inability to support emerging technologies.

As the population continues to grow, so does the need to enhance service delivery to its citizens and communities.

CUSTOMER OVERVIEW and HISTORY

Scott County has always been a leader from its earliest days, with the county being one of the first formed after the Commonwealth gained statehood in 1792. In 1988, its county seat, Georgetown, became the home of Toyota Motor Manufacturing, Kentucky, Inc., and since that time has continued to grow not only in population and community development, but in its need to enhance service delivery to its citizens and communities.

SCOTT COUNTY FISCAL COURT

The legislative and financial oversight of Scott County is provided by Scott County Fiscal Court, the local government entity responsible for setting policy and enacting local laws. In addition, it provides timely and efficient services to its residents including public safety, roads, animal care and control, and coroner services to name a few.

In 2019, Scott County Fiscal Court partnered with STEP CG to design and deploy a wide area network that integrated both wired and wireless connectivity solutions to better accommodate the growing needs of its citizens.

SCOTT COUNTY SCHOOLS

The county's public school system, Scott County Schools, is the 15th largest in the state with 17 preschool, elementary, middle, and high school campuses located throughout the county accommodating 10,000 students and staff.

Since STEP CG's opening in 2014, Scott County Public Schools has been a partner in network monitoring, hardware installation and voice communications.

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STEP CG has been a key partner of Scott County Schools for several years. They engage in a personal manner that represents the company well and are available 24/7, whenever needed. They work directly with us to determine our needs and can be counted on to provide good customer service.

– Sheila Bernhardt, CIO,
Scott County Schools

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GEORGETOWN COLLEGE

Scott County is also home to Georgetown College. Established in 1829, the college is one of four private liberal arts colleges in the Inner Bluegrass region. Its campus is located in Scott County's largest city, Georgetown, and is comprised of 104 acres with 39 classroom buildings, residence halls, and administrative/faculty buildings, and a current enrollment of over 1,500 students.

STEP CG collaborated with Georgetown College to architect a secure wide area network management platform to seamlessly connect students and staff campus wide.

BUSINESS NEEDS

With multiple branch sites and campuses located throughout the county, Scott County local government needed a way to link these respective sites enabling faster and more efficient communication. Also needed was a network infrastructure that would allow them to take advantage of emerging technologies.

SCOTT COUNTY FISCAL COURT

Scott County Fiscal Court wanted to leverage technology to become more efficient and citizen-centric by bringing its business operations into the 21st century. To accomplish this, the fiscal court needed a robust connectivity solution to replace its overwhelmed and segmented legacy network and link its many dispersed branch offices.



SCOTT COUNTY SCHOOLS

Scott County Schools, a growing school district with new facilities, had a continuing need for network monitoring and access security. A secure, agile infrastructure was essential to providing students access to tools that automated and simplified account provisioning and device management in the era of BYOD (Bring-Your-Own-Device).



GEORGETOWN COLLEGE

The college's needs centered on building a solid network foundation that would allow the college to grow its infrastructure in stages and support emerging technologies to further educational initiatives.

Most importantly, all three organizations required infrastructures that provided high-level security, protecting devices, applications, and users from cybersecurity threats and safeguarding sensitive business and personal data.

THE STRATEGY and SOLUTION

Service, communication, and building lasting partnerships are the core principles STEP CG strives to maintain.

SCOTT COUNTY FISCAL COURT

The Fiscal Court partnered with STEP CG to expertly integrate next generation wired and wireless connectivity solutions to improve communications, increase network performance and reliability, and streamline business operations by taking advantage of emerging technologies. This entailed architecting a secure and agile network core to connect 15 branch sites and ensure network redundancy with reliable, "always on" wireless connectivity. STEP CG also designed and deployed VoIP and video surveillance solutions to improve branch communications and safeguard public buildings and community areas.

SCOTT COUNTY SCHOOLS

The county's public school system was already connected by fiber and this allowed STEP CG to focus on a design to build a high capacity, high performance solution. In addition, they provided

an improved and more secure wireless experience for both students and staff utilizing next generation WiFi 6 technology and WPA3 security standards.

STEP CG'S solution included the upgrade of the district VoIP system, as well as, the implementation of integrated wireless network installations at the new school campuses being constructed, leveraging the latest switched fabric network technology and next generation wireless to provide built-in security to satisfy data protection requirements and protect against cybersecurity threats.

GEORGETOWN COLLEGE

For the college, STEP CG constructed a secure, solid network foundation, scalable to support emerging technologies and access to cloud-based apps and online learning, with tools to simplify user provisioning and enhance threat protection in high-density environments.

THE BENEFITS

Scalability

Whatever your business's size – small to medium or large enterprise – STEP CG can design and deploy the right solutions to streamline your business. Networks are the backbone of today's organizations and STEP CG designs, deploys, and manages networks that are customized to your business needs. Our solutions can scale to thousands of routers, and by design, provide flexible deployment with zero touch provisioning and central cloud management – customers can add new branches or remote sites to their network in minutes, not hours or days.

Flexibility

Our solutions are transport agnostic, offering the ability to integrate 4G/LTE, MPLS and broadband Internet services to increase your network's bandwidth and lower costs.

Security

STEP CG's connectivity solutions are built with security in mind, safeguarding your business from ever emerging cybersecurity threats and satisfying federal government and industry security standards.

EXCEPTIONAL ENGINEERING EXPERTISE WITH MANAGED SERVICE OPTIONS

STEP CG tackles the burden of network design, installation, and maintenance so businesses can focus time and resources on mission critical demands, not network infrastructure. For customers who do not have the time and resources to manage their networks in-house, STEP CG is here to help.

STEP CG offers a “managed service” model where all aspects of the network, including ongoing maintenance performed by a highly skilled technical support team, will work 24/7 monitoring and managing your network’s health and quickly remediate potential issues.

