

SOLUTION BRIEF

**DC BLOX**  
**CONNECTIVITY**  
**SOLUTIONS FOR**  
**SOUTHEASTERN**  
**REGIONAL**  
**COOPERATIVES**



**DC BLOX**

## Overview

---

In today's hyper-connected world, fast and reliable Internet connectivity has become an essential for day-to-day life, enabling access to news, entertainment, business services, social engagement, shopping, remote working, and education. However, many rural areas throughout the Southeastern U.S. have long struggled for fast and reliable broadband services that meet local business, government, education, and consumer needs. In 2020, more than half of the workforce in this

region have had to transition to a remote environment as companies adapt to the challenges of a worldwide pandemic. In addition, students' need to access online education has been severely hampered. Without dependable broadband services, students, healthcare workers, government employees and local businesses are met with significant obstacles that prevent them from providing effective services, extend the digital divide, and in some cases, threaten their very existence.

## The Challenges for Cooperatives

---

Electric cooperatives and their members have the need and ambition to bring high-quality broadband services to their service areas, yet they often lack the resources to achieve these goals. The entry cost to building a high-speed communications network is high, and networking expertise is essential to navigating the complex implementation options.

In fact, building the local network to provide Internet access to businesses

and homes is only the first step.

Cooperatives then need to connect their communities to the world. That means transporting data securely and reliably to and from their regional networks, and also enabling access to a wide variety of free, subscription, and 3rd party services including Internet, phone service, video streaming, software-as-service, and online education to name only a few.

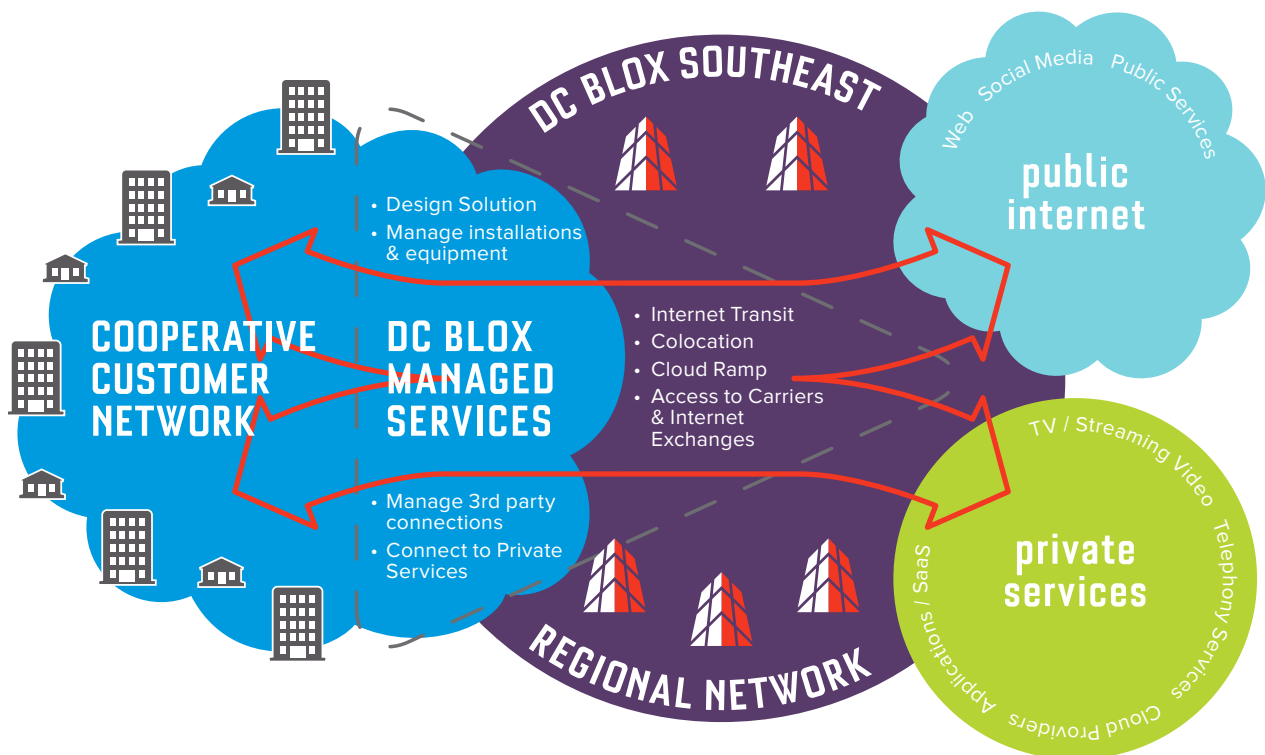


## Partner with DC BLOX

DC BLOX is a regional network provider and data center operator in the Southeast that can help cooperatives to reliably interconnect their networks to the Internet as well as to a wide range of providers, carriers, and destinations. The DC BLOX Southeast regional network and connectivity ecosystem offers cooperatives access to an array of services that can be delivered to their end customers. DC BLOX also brings the network design, implementation and operational experience needed to architect cost-effective solutions and ensure reliable, high-performance connections. DC BLOX managed network

services bridge the gap between the cooperative's network and the DC BLOX network and provide cost-effective and reliable operational support.

DC BLOX serves as an entry point to global Internet Exchanges and peering points providing access to hundreds of providers and built-in communications carriers including AT&T, Comcast, Cogent, CenturyLink, and Charter/Spectrum. DC BLOX also provides virtual private connections to major cloud providers with cost-effective, quickly provisioned solutions.



## DC BLOX Infrastructure and Services

---

The DC BLOX Southeast regional network is the foundation for all DC BLOX connectivity services. The 100Gbps+ geo-diverse, mesh-protected, low-latency network is accessible from various locations across the Southeast. Discrete services are provisioned at the software layer, assuring service velocity and reliable provisioning.

Once a cooperative is connected to the DC BLOX network, adding services is easy, which includes but is not limited to:

- Internet Transit Services up to 100Gbps utilize multiple carriers and diverse routes to ensure reliable and resilient Internet peering.
- Managed Connectivity Services leverage DC BLOX's networking expertise to engineer and manage connectivity between the cooperative's rural network and the DC BLOX Southeast Regional Network.
- Ethernet Connections to Internet Exchanges and peering points such as the Internet Exchange at 56 Marietta in Atlanta and others enable peering and connectivity with hundreds of providers.
- Local DC BLOX colocation facilities enable regional cooperatives to deploy communications and compute infrastructure in a highly reliable Tier III facility at many convenient locations across the Southeast.
- Private connectivity to public cloud providers, including Amazon Web Services, Microsoft Azure, Google Cloud, Oracle Cloud, and many more.

---

*"With DC BLOX, you no longer have to accept the status quo from current carriers who charge whatever they want, yet provide less than premium networks."*

**Daniel Martin**  
New Hope Telephone Cooperative

For more information, please visit  
**[www.dcblox.com](http://www.dcblox.com)**  
or call **844-4DCBLOX**

Connect with DC BLOX

