

Regions Fostering Operational Efficiencies at Gigabit Speed

**Connecticut State Gigabit Network Enables
Local Government Collaboration**

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Nutmeg Network Features

- Connecticut Education Network (CEN) portion of Nutmeg Network began in 2002
- All schools and libraries in the state are currently on the network
- 105 municipalities of a total of 169 will be connected to the Nutmeg Network at the end of the municipal connection project
- Security and Speed
 - Private connection (Layer 2) between towns and to the CRCOG Data Center
 - Reliable internet connectivity through multiple Internet Service Providers (ISP)
 - Resilient fiber network that is highly reliable

Nutmeg Network Features

- Saves Time and Money in Operations
 - CEN has a cost effective billing model (e.g. cost recovery, 95%, rates have consistently decreased as number of users has risen)
 - CRCOG/CCAT services on the network provide large savings on hardware, software licensing and maintenance
 - CRCOG/CCAT platform for future shared service delivery opportunities with fast expandability

Information Technology Challenges

- Capital intensive, often with irregular budgets
- Prone to hardware failures
- Systems only thrive with care and feeding, but deteriorate without
- Towns often purchase more than they need, or don't have enough

Changing Expectations for Government

- Municipalities are struggling with Information Technology
- Awash in data, emails, paper
- Generational paradigm shift upward in expectations
- Citizens demand
 - Convenience
 - Efficiency
 - Sustainability
 - Transparency
 - Results

The Nutmeg Service Cloud

The Platform for Local Government Services

97 municipalities, as well as public safety locations, boards of education and libraries in Connecticut are connected to the Nutmeg Network.



The resilient, secure, cost effective service allows users to replace local servers, reducing capital expenses, operationalizing budgets, and increasing the resiliency of backups in the event of natural disasters.



The Cloud Server for Public Services is flexible and easily customized. CRCOG is already working to provide a Human Resources Portal, an Electronic Document Management System, and Customer Relationship Management software.



Low upfront costs allow new services to be quickly developed and deployed to test out new ideas.

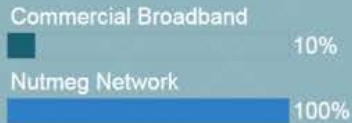
The Nutmeg Network provides a high-speed, secure connection for governmental institutions.



The Nutmeg Service Cloud uses the Nutmeg Network to create a private, secure cloud for local government services.



Software and Platform as a Service use high-speed networking and private cloud servers to provide a variety of cost-effective, scalable services.



The Nutmeg Network is 10 times faster than most commercially available business cable services.



RESILIENT

The Nutmeg Network has never lost connectivity due to natural disasters.



SECURE & PRIVATE

Provides greater security and privacy than similar Internet-based cloud options.



COST EFFECTIVE

CRCOG's service is up to 50% less expensive than commercial offerings.



VOIP

Voice Over IP is flexible, easy to manage, and has a lower total cost of ownership than traditional phone systems.



STREAMING VIDEO

The high speed network permits live streaming and on-demand access to videos of meetings, events, and town activities.



HOSTING SERVICES

The Cloud Server can host a variety of software services (such as email, file servers, and finance), reducing the capital and maintenance burdens on users.



Nutmeg Network Demonstration Projects

- Phase 1: Completed demonstrations
 - Hosting Services
 - Voice Over Internet Protocol Phone Services
 - Streaming Video (and storage) of Public Meeting Proceedings
- Phase 2: Projects underway
 - Electronic Document Management
 - Human Resources Portal

What is Next?

- Huge opportunity: Network connection, public cloud, software as a service and platform as a service
- Human Resources Portal (Phase 2 Project)
- Electronic Document Management (Phase 2 Project)
- Police Body Camera Video Storage and Systems
- Finance Systems -- Enterprise Resource Planning (ERP)
- Cybersecurity services

Questions?

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