Open-E and Current Technology
Join Together in
Fighting Crime in Bellwood, IL

The

The Bellwood Police protect and serve a community of 20,535 residences. The wireless IP public safety video surveillance system, installed and managed by Current Technologies, creates a virtual gated community.

The system is a big deterrent to crime; Bellwood has seen a 30% reduction in crime in two years. With a monitoring and search system in each squad car, officers are also better prepared when responding to a call.

The Challenge

Bellwood has 140 networked public safety cameras each requiring 1TB of storage for surveillance data a month. The data must be archived three times a day and stored on-line for fast access. Each camera produces up to 5GB of data in a 24 hour time period.

Current Technologies and the Bellwood Police force need a storage solution that would provide constant, fast, on demand access to stored surveillance data 24 hours a day, seven days a week with zero downtime.

Surveillance video requires storage and retrieval of very large files.

File management and performance is a critical issue. Deployment of storage must be easy and fast in order to keep up with fast growing demand. Software must be easy to manage and transparent to the user.

The Solution

Current Technologies evaluated currently available storage systems and chose Open-E's NAS software from Ace Computers after competitive systems failed to meet the video demand throughput requirements.

The solution in Bellwood consists of an Ace Powerworks 5887A system, 3 HP servers and 2 Open-E NAS software solutions of 16TB each sending data via a wireless connection. The number of public safety cameras will grow to 200 to cover the entire city and the Open-E solution will easily scale to an additional 64TBs each to meet the data capacity demand.

"The Open-E software is rock solid", according to Anthony Valle, IT Service Coordinator with Current Technologies. "The performance of the Open-E software is unmatched by the competition".

The Benefits

Performance

Paring the ACE system with Open-E's software has yielded outstanding 1GbE performance for the Belwood police. 24x7 access to data with Open-E allows the police to better identify and prosecute offenders.

Scalability

With the ability to pay as you grow; the Open-E software easily scales with the capacity demand of the IP surveillance system.

Reliability

IP surveillance and monitoring must be available 24x7 and requires a reliable, high performance storage infrastructure. "The Open-E system is the most reliable on the market. With our surveillance solutions we cannot afford downtime of our storage system and Open-E meets that requirement", said Anthony Valle.

Ease of Use

"The Open-E system was up and running in 15 minutes and is managed with just a few mouse clicks", said Valle. "A key benefit to our customers is that we provide a cost effective, easy to deploy system for security and surveillance". "The Open-E storage software is a key component in that solution."

PARTNER Profile

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World events and organizational demands have hastened our search for better more cost effective security applications.

Current Technologies Corporation (CTC) has successfully integrated the better of two distinct industries - the security industry and the computer industry - to deliver Wireless IP-Surveillance and Monitoring.

CTC offers customers a cost effective alternative that allows them to quickly and easily deploy security cameras in any terrain and potentially save thousands of dollars in installation costs. In addition, wireless cameras can be deployed virtually anywhere, giving companies more flexibility in the design and installation of security and surveillance systems.

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Ace Computers is a 25 year old systems integrator that provides custom high performance computing, storage, and digital media solutions.

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