Resilio Connect for EMS

Make sure the real heroes get the data they need with world-class speed and reliability.

The Challenge

EMS organizations need critical, large data files transferred reliably and securely to & from their fleets of remote vehicles across networks of varying quality.

Having the most up to date information at a first responders' fingertips can be the difference between success and failure. Making sure large files such as maps and building information are synced and transferred reliably and with speed to these remote agents on a variety of networks is critical.

This has historically been a major issue. Alex Bellak, GIS Administrator of the City of Troy, explains: "At any time during the day, vehicles (fire trucks) could be out responding to an incident. To use traditional file replication software that tends to depend on a scheduled event that goes off at a certain time during the day, that's not dependable. To send out an individual with flash drives is equally problematic. You never know what vehicles could be in the fire stations at what time."

Resilio Connect, which is built using leading peer-to-peer technology, provides top performance, reliability, and usability to EMS departments, all while avoiding the cloud and keeping all data on private infrastructure.

As an IT executive at a large EMS organization explained:
"First responders know, accurate data saves lives. We rely on Resilio Connect to transfer the most up to date blueprint and map data to every fire truck and rescue vehicle"
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**Reliability**
- **100%** Reliability on any network with no single point of failure
- Works over any network, with any latency, and any packet drop
- Automatically recovers from network and device availability failures and resumes transmission from the point of failure

**Performance**
- **Updates multiple times faster** than traditional centralized file transfer systems. Speeds up to multi Gb/s over WAN or LAN
- Peer-to-Peer protocol allows each client to act as a file server for others, allowing shared access to files without a central server. This reduces costs, saves time and bandwidth and improves reliability
- Clients don’t need a whole file to participate in transmission: a single block is sufficient

**Scalability**
- **Highly scalable** with the ability to handle 100s of GBs of files
- Scalable to all devices including those with limited power
- Smart logic behind peer to peer networks eliminates the need to control every link between clients

**Security**
- **Keeps data secure** with no cloud and all private infrastructure
- Trusted by leading public EMS departments to transfer sensitive data
- Managed and automated file workflows with end-to-end encrypted transfers
- Files move directly between clients – no data lives in the cloud
- There are no passwords to be compromised – all security is cryptographic

**User Friendly**
- **Easy to install** with a single app and no external dependencies
- Central management console allows for complete control of all Resilio Connect agents in the environment
- Dashboard monitors the deployments and status of clients and devices
- Works seamlessly across networks, VPNs, and firewalls

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