The Challenge

Data is the lifeblood of efficient airline operations. Be it fuel efficiency, aircraft health and engine data, operations manuals, flight data (QAR data), weather and flight plan information, or the latest software updates, the ability to exchange information quickly and reliably is critical.

Resilio Connect was crafted to solve this problem dependably. Connect is built using leading peer-to-peer technology so there is no single point of failure and if an endpoint goes off network, the transfer will restart from the point of connection loss the second the end point comes back on network. Connect’s distributed architecture results in file transfer speeds many times faster than centralized architectures over the same network so updates get delivered faster.

As an IT executive at a large airline explained:

“Reliably getting flight data into the cloud where it can be analyzed remains a top challenge for an industry reliant on manual processes and intermittent networks. Likewise, distributing critical materials to aircraft and personnel for reliable and on time flight operations can be an imposing task.”
Resilio Connect for Aviation

Reliability

- 100% reliability 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

- Peer-to-Peer protocol allows each endpoint to act as a file server for others
- Endpoints don’t need a whole file to participate in transmission: a single block is sufficient
- Speeds up to multi Gb/s over WAN or LAN. Multiple times faster than centralized file transfer systems

Scalability

- Connect is optimized and scalable to thousands of endpoints and TBs of data
- Scalable to all devices including those with limited power
- Smart logic behind peer to peer networks eliminates the need to control every link between endpoints

Security

- Trusted by leading 100s of organizations to transfer sensitive data
- Managed and automated file workflows with end-to-end encrypted transfers
- Files move directly between endpoints – 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 endpoints
- Works seamlessly across networks, VPNs, and firewalls

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