

CASE STUDY: US NATIONAL GEOSPATIAL AGENCY

MULTIPLE SECURITY CHALLENGES

Global telecommunications networks are inherently insecure as well documented by cyber security experts in the US Government and across the private sector. The threats are posed by systemic vulnerabilities in the global telecommunications infrastructure that readily enable interception and monitoring of mobile communications, both voice and data. According to the U.S. Department of Homeland Security (DHS), “Due to the nature of carrier networks, no voice or data should depend solely on the network for confidentiality or integrity protection.” The only viable solution to this problem is to “ensure devices use end-to-end encryption for all communication paths.”

While these issues receive a great deal of attention due to the COVID-19 Pandemic and the mass migration to remote / telework, the adoption of end-to-end encryption for mobile communications will continue as a best practice post-pandemic.

In particular, the US National Geospatial-Intelligence Agency requested a solution to provide secure communications within a private network system, exclusively hosted and managed by the Agency itself. Furthermore, the agency required enabling eDiscovery and archiving, to comply with Government policies

HOW KOOLSPAN ADDRESSES SECURITY CHALLENGES

1. Remote employees can easily use TrustCall's high-fidelity audio and video via an intuitive, easy-to-use solution that installs in minutes, even from private application stores, and requires no user training.
2. Unlike others, TrustCall is designed from the ground up as an enterprise-grade solution that delivers high-performance and reliable FIPS 140-2 validated encrypted audio, text messaging, and file sharing.
3. TrustCall provides configurable administrative policy enforcement, control, and user management.
4. With flexible deployment configurations including Software as a Service in a public/private cloud, on-premise, and hybrid, TrustCall fits into any environment.
5. In the specific case, the TrustCall back-end is hosted by the National Geospatial-Intelligence Agency in an IL 4+ Government Cloud. Anyone with a CAC PIV can access and download the KoolSpan TrustCall secure communications application
6. KoolSpan and TrustCall solution were submitted to the rigid security assessments requested by the Agency, including vulnerability assessments, source code inspection and penetration tests
7. KoolSpan enables an ad-hoc mechanism for eDiscovery and secure archiving, to accomplish customer's security policies