



TrustCall On-Prem

ADDRESSING RISING MOBILE COMMUNICATION THREATS

Attacks on mobile communications are growing, as criminals, hackers and governments globally intercept calls and messages easily via a variety of network-based attacks. The attackers use stingrays/IMSI catchers to intercept calls and text messages as they travel between cellphones and cell towers. And, more widespread, they use capabilities designed into global telecommunications networks based on Signaling System 7 (SS7) and Diameter to redirect, listen to, and record calls and messages.

Leaving communications at risk is not an option. Attackers target people and companies of all sizes and industries: International business people, high net worth families, government employees, business executives, lawyers, finance, R&D, and more.

GOVERNMENT RECOMMENDATIONS FOR ENCRYPTION

Government organizations ranging from the U.S. Department of Homeland Security (DHS) to the Federal Communications Commission (FCC), and leading cybersecurity analysts from all over the world are recommending end-to-end (E2E) encryption for both personal and professional calls and messages. Without E2E encryption, every call and message is susceptible to vulnerabilities within the mobile network.

“Due to the nature of carrier networks no voice or data should depend solely on the network for confidentiality or integrity protection.”

Study on Mobile Voice Security, DHS



“...that industry encourage the use of available encryption technologies, for both voice and data communications, in particular for highly sensitive and critical applications...”

The Communications Security, Reliability and Interoperability Council V Working Group 10 Final Report, FCC



ENTERPRISE CONTROLLED AND MANAGED SECURE COMMUNICATIONS SOLUTION

TrustCall On-Prem provides a secure voice and messaging platform while enabling enterprise and government organizations to host, manage, and maintain their own infrastructure. TrustCall On-Prem can be deployed and configured at the enterprise or in a private cloud. It includes the TrustCenter management console, TrustBridge, a set of APIs, and more.

TrustCenter Management Console

TrustCenter is a series of software applications and web services that provide centralized management for the TrustCall On-Prem mobile communications environment. The TrustCenter console enables simple, secure, remote administrative management of an organization’s TrustCall licenses, TrustGroup security associations, users and their devices.

TrustBridge

TrustBridge provides secure calling between mobile and desktop phones by enabling TrustCall encryption to be terminated at the corporate PBX.

Integration with Enterprise Systems via Robust Set of APIs

TrustCall On-Prem enables seamless integration of TrustCall secure communications with an enterprise ecosystem via a robust set of APIs, including EMM/MDM, ERP, CRM systems and others.

TrustRelay Server

TrustRelay Servers enable TrustCall On-Prem users to locate each other to establish secure end-to-end communications. All encryption/decryption takes place on the phones and all traffic passing through the TrustRelays is always encrypted.

Control of Data and Metadata

With all infrastructure on-premise, TrustCall On-Prem enables your organization full control of all data and metadata; no one other than your organization administrators can access it.



KOOLSPAN PROFESSIONAL SERVICES AND SYSTEMS INTEGRATOR TRAINING

KoolSpan professional services works with the IT organization and systems integrator of choice to implement TrustCall On-Prem; providing the enterprise or government organization with full control.

KoolSpan provides professional services to train your IT organization to ensure proper deployment and post deployment management and support.

“I’d be surprised if we all do not see voice communications starting to pop up in places like WikiLeaks. Take a moment and think about that possibility for your own voice communications...”

Dr. Edward G. Amoroso, CEO of TAG Cyber LLC, former CSO of AT&T

KEY FEATURES AND BENEFITS



Complete Control over Infrastructure

- » Dedicated TrustCenter management console
- » Deployed on-premise or in a private cloud
- » Complete control over communications' metadata and data
- » Professional services and training

Robust Set of APIs

- » Integrate TrustCenter within the enterprise's business systems
- » Automate provisioning and billing processes
- » Compatible with enterprise MDM/EMM platforms



Administration and Configuration

- » TrustCenter management console accessible via web interface or remote access
- » Manage TrustCall licenses and TrustGroups
- » Customize TrustCall settings on a per-user or site wide level
- » Stun and destroy TrustCall licenses: temporarily lock access to encrypted communications from a lost device, or deactivate TrustCall on a stolen device
- » Generate reports and audits
- » Dashboard for system health, overall status, and pending transactions
- » Scales across departments or the entire organization
- » Customized role-based administrator access



Managed Deployment

- » TrustCall app can be downloaded from app stores or provisioned by MDM solutions
- » TrustCall can be managed by leading MDM solutions
- » No additional hardware required



Flexibility

- » Interoperable across Android and iPhone
- » Supported inside a variety of secure workspaces including Samsung Knox Workspace



User Friendly

- » Dial from a pre-populated list of contacts or keypad
- » Familiar, Intuitive text messaging interface
- » Favorites and Call Logs provide easy access to frequent contacts



High Quality Phone Calls

- » HD Audio
- » Operates in networks ranging from high bandwidth networks (such as LTE and Wi-Fi) to low bandwidth (such as 2G and even satellite phones)
- » Optimized to preserve battery life
- » Clear, crisp, quality voice calls



Robust Encryption

- » FIPS 140-2 validated 256-bit AES encryption
- » Based on KoolSpan's years of experience and intellectual property including 21 patents and 38 pending patents
- » Compatible with GOTrust microSD for hardware anchored encryption; providing FIPS 140-2 Level 3 Crypto and a Common Criteria EAL5+ Secure Element