

AWS Wickr Overview

What is Wickr?

AWS Wickr is an end-to-end encrypted service that enables secure one-to-one and group messaging, voice and video calling, file sharing, screen sharing, and more. AWS Wickr combines security and administrative controls designed to help you address collaboration security challenges, and meet data retention requirements.

Enhanced security

AWS Wickr uses AES 256-bit end-to-end encryption for every feature. Communications are encrypted locally on user devices, and remain undecipherable in transit. Every message, call, and file is encrypted with a new random key, and no one but intended recipients (not even AWS) can decrypt them.

Data retention

AWS Wickr was designed not only to safeguard sensitive data, but to prioritize data retention and allow you to preserve information as required. Messages and files can be logged to a secure, customer-controlled data store for compliance, legal hold, and auditing purposes.

Administrative control

Customers have full administrative control over data, which includes setting permissions, configuring ephemeral messaging options, and defining security groups. AWS Wickr integrates with additional services such as Active Directory, single sign-on (SSO) with OpenID Connect (OIDC), and more. Customers can quickly create and manage AWS Wickr networks through the AWS Management Console, and securely automate workflows with AWS Wickr Bots.

Features & Capabilities



1:1 and Group Messaging

Secure rooms with up to 500 members



Audio and Video Calling

Conference with up to 70 people



Screen Sharing and Broadcasting

Present with up to 500 participants



File Sharing and Saving

Transfer files up to 5GBs with unlimited storage



Configurable Ephemerality

Control expiration and burn-on-read timers



Global Federation

Connect with Wickr users outside of your network



Incident Response

Establish out-of-band communications



AWS Wickr

SaaS platform for secure team collaboration

- 1:1 Messaging
- Room/Group Messaging
- Audio/Video Calling
- File Sharing
- Location Sharing
- Live Streaming
- Screen Sharing
- 1 Year Max Message Retention
- Administrative Controls
- Regulatory Compliance Controls
- SSO, MDM & Bot Integrations



AWS Wickr Enterprise

Self-hosted for complete control and total compliance

- Unlimited File Share Size
- Unlimited Max Message Retention
- Full Administrative Controls
- Regulatory Compliance Controls
- SSO, MDM, & Bot Integrations



AWS Wickr RAM

DoD-approved communication for government clients

- Air Force Enterprise ATO (IL5 CUI/PII/PHI)
- DoD Mobility Unclassified Capability (DMUC)
- DoD Approved Data Center; Cloud One
- FIPS Certified
- No VPN needed



AWS Wickr ATAK Plugin

Secure messaging, calling, and file transfer within ATAK

- Map-based encrypted communications
- Integrated into ATAK operator pinwheel
- Ephemeral mission planning
- Facilitates after-action reports

What is different about AWS Wickr?

- Protects business communications from unauthorized access and advanced adversaries with end-to-end encryption (E2EE).
- Facilitates secure collaboration with external organizations, partners, and stakeholders through global federation.
- Allows you to configure automated data retention networks in a secure medium to support compliance objectives.

“As former employees from federal law enforcement, the intelligence community, and the military, Qintel understands the need for enterprise federated secure communication messaging capabilities. When searching for our company’s messaging application we evaluated the market thoroughly, and while there are some excellent capabilities available, none of them offer the enterprise security and administrative flexibility that Wickr does.”

Bill Schambura
CEO of Qintel

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