



Q-Collab

End-to-End Security for Communication

Q-Collab is a secure, enterprise-grade platform that unifies messaging, video conferencing, file sharing, and teamwork across web, desktop, and mobile. Designed with advanced security at its core, leveraging PKI, end-to-end encryption, and post-quantum cryptography readiness. Solution enables real-time collaboration, seamless integrations, and centralized administration for modern organizations.

KEY USE CASES

- 1 Remote & Hybrid Work:**
Real-time chat, video meetings, and file collaboration across distributed teams
- 2 Enterprise Team Collaboration:**
Secure internal communication, document sharing, and cross-department coordination
- 3 Executive & Board Communications:**
Encrypted meetings, confidential messaging, and audit-ready records
- 4 Compliance-Driven Communication:**
Centralized logging, audit trails, and secure archival
- 5 Secure Project Collaboration:**
Role-based access, versioned documents, and controlled information sharing

ENTERPRISE USE CASES

Financial Services

- Board meetings & M&A discussions
- Customer financial data exchange
- Regulatory compliance reporting

01

02

Healthcare

- Telemedicine consultations
- Patient record collaboration
- Research data sharing

Technology & R&D

- IP protection for innovations
- Cross-team development sync
- Third-party vendor coordination

03

04

Government & Defense

- Classified communications
- Inter-agency coordination
- Secure collaboration

DEPLOYMENT SCENARIOS

01

Cloud SaaS

Fully managed service hosted in our data center

02

Rapid deployment

- Auto-scaling
- 24/7 monitoring

On-Premises

Deploy within your own infrastructure for complete control

03

Data sovereignty

- Custom integrations
- Air-gapped

Hybrid

Combine cloud agility with on-prem security for sensitive workloads

04

Best of both worlds

- Gradual migration
- Cost optimization

CORE FEATURES

- 1 Real-time messaging (1:1, groups, channels, threads)
- 2 Multi-tenant architecture with centralized monitoring, logging, and audit trails
- 3 HD audio/video conferencing, moderator controls and meeting analytics
- 4 End-to-end encryption for messages and files
- 5 Post-Quantum Cryptography (hybrid Kyber/Dilithium readiness)
- 6 Web, desktop, and native iOS/Android application

Technical Specifications

Platform Support	Web, Desktop (Windows/macOS), Native Mobile (iOS & Android)
Collaboration Modules	Messaging (1:1, groups, channels, threads), Teams & Channels, File Sharing & Collaborative Editing, Meetings & Scheduling
Audio/Video Conferencing	HD audio/video, multi-party support, screen sharing, recording & playback, noise suppression, virtual backgrounds
Security & Encryption	PKI-based TLS, End-to-End Encryption (chat & files), Digital Signatures, Post Quantum Cryptography (Kyber FIPS 203 & Dilithium FIPS 204), Secure Key Management
User Experience	Message reactions, emojis, read receipts, typing indicators, pinned messages, draft & scheduled messages, advanced search filters
Meeting Enhancements	Hand raising, participant reactions, live captions & transcription
Administration & Tenant Management	Multi-tenant architecture, Admin roles (super/admin/helpdesk)
Integrations	Email (Exchange, Gmail), Calendar (Outlook, Google Calendar)
Scalability	Multi-tenant, scalable backend & microservices
Deployment Options	On-premise, Private Cloud, Hybrid Cloud



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