



ShieldCrypt



PRODUCT BROCHURE

Stay secure, connected &
productive with all-in-one
solution


Advantal™



Communicate • Collaborate • Co-exist



ShieldCrypt is an enterprise mobility solution for secure communication within teams and organizations.



ShieldCrypt helps organizations to communicate digitally with secure calls and secure messages on mobile devices.



ShieldCrypt helps teams enhance their productivity by offering superior collaboration and coexistence.



ShieldCrypt gives you the comfort of knowing that your private conversations will now truly stay secure and protected.

KEY FEATURES



Secure Two-Way & Conference Call

All of our calls are secure and rock-solid so there is no concern about eavesdropping of conversations. Two or more users can call & connect with each other through encrypted channel.



Secure Instant Messaging

With our secure instant messaging, you can send a message over any data channel available on the mobile device. You can share files, contacts, location, photos, audio, video, etc securely.



Secure Group Conversations

Group chat allows several users (in a validated group) to collaborate in a single conversation through an easy-to-use and intuitive graphical interface.



Secure & Multi-level Authentication

ShieldCrypt provides multiple level of authentication for validating users and groups including passcodes, licenses, OTP, device authentication using IMEI, biometrics, client & server authentication etc.



Secure Broadcast

Users and administrators can send secure broadcast messages to all or selected groups and users within the organization at one go.



Secure Contacts

Contact list of an organization is kept confidential and can be configured selectively for each user. Communication is done only between the trusted and approved contacts.



Secure File Transfer & Sharing

Users and groups can send files amongst each other of all types on secure channel and each file is stored encrypted on device and server.



Secure Video Calls

ShieldCrypt will be soon launching high quality video calls on mobile devices that are end-to-end encrypted.



Available as Mobile Apps

ShieldCrypt can be downloaded on your mobile device as an app. You can activate and start using it at the click of a button. Currently available on iOS & Android.



Notifications

ShieldCrypt system sends push notifications to the mobile devices alerting them about the new messages and calls.



Central Management

All users of an organization and groups are managed through a dedicated admin dashboard. Admin can configure the solution through this and control the system & its activities centrally.



In-House & Cloud Deployment

ShieldCrypt solution can be hosted fully in-house or also over the cloud. Organizations can manage the system components themselves and control all the traffic.





Scalable & Reliability

With our horizontally scalable & distributed architecture, ShieldCrypt back-end system can be deployed for a target user population ranging from a few users to thousands, even millions.



Highest Performance & Availability

ShieldCrypt system is designed and implemented with latest state-of-the-art technologies to provide high usage performance and uptime both on the clients & server.



Closed Circle

ShieldCrypt users are managed in closed trusted groups, communicating over a secure network. Secure Communication begins only if both (or all) parties are trusted and validated by the system



White Labeling & Customization

Features customization as well as white labeling or branding can be done with the ShieldCrypt system wherein appropriate changes can be done to the interface. We can also integrate a custom encryption system if you have one with you.

SHIELDCRYPT SECURITY



Our end-to-end security model uses state-of-the-art encryption algorithms combined with strong key exchange protocols. This is what enables us to provide the highest level of security without compromising on quality of communication (voice / message).

ShieldCrypt uses standard encryption technologies including:



256 bit AES (Advanced Encryption Standard) & Twofish for symmetric encryption.



Diffie-Hellman (DH) & Elliptical Curve (coming soon) techniques for key exchange .



RSA for authentication & asymmetric encryption Secure Hash Algorithm (SHA) for message digest and data integrity.



TLS, SSL for transport layer security preventing man-in-the-middle attack & providing another layer of security, privacy and data integrity.

EXCLUSIVE FEATURES



Priority Messages as important, emergency and normal.

Message Retraction possible after sending the message.



Evaporating Message can self destruct themselves after a pre-set time.

Messages protected with a user defined passcode.



Edit message on sender and receiver end after message is sent.

Protection against Screenshot capture



SHIELDCRYPT BENEFITS

BUSINESS & MANAGEMENT

- 🔒 Secure organization from losing trade secrets and its reputation.
- 🔒 Protect customers' loyalty from critical information leakage.
- 🔒 Secure company's intellectual properties.
- 🔒 Share files and manage tasks in real time through secure communication channels.



OPERATIONS

- 🔒 Improve efficiency of day-to-day operations.
- 🔒 Reduce time and cost required for critical collaborative face to face meetings.
- 🔒 Reduce duplicate procedures between different teams.
- 🔒 Ensure greater collaboration between teams, especially global teams.



SECURITY & PRIVACY

- 🔒 100% privacy protection.
- 🔒 Maintain confidentiality of information exchanged.
- 🔒 Compliance with industry standards & best practices.
- 🔒 Secure sensitive topics and critical business decisions.



SHIELDCRYPT PACKAGES



SHIELDCRYPT BASIC

- For individuals and small teams.
 - Fast installation & setup.
 - Immediate activation.
 - Easy communication.
 - Optimized security & performance
- Available for Android & iOS.

SHIELDCRYPT BUSINESS

- For organizations and global teams.
- Enterprise grade security protocols.
- Superior collaboration through cohesive group conversations.
- Efficient closed group communication.
- Centralized management with admin dashboard
- Intuitive interface and best user experience
- Integration with existing company database
- Available for Android & iOS (can be made available on private enterprise store).
- Can be customized / white labeled as per requirement.



SHIELDCRYPT DEFENCE

- For defence, security and intelligence agencies.
- Military grade encryption & security protocols.
- In-house deployment.
- Multi-level authentication.
- Realtime alerts & notifications.
- Protections against intrusion & cyber attacks.
- Unmatched privacy, confidentiality and data security.
- Restricted access to servers.
- Centralized management with admin dashboard.
- Available for Android & iOS (downloadable from secure link).

OTHER PRODUCTS



Shield Secure Box



A Secure file management solution for mobile platforms with end-to-end encryption.



Save, Share, Sync, Transfer files of different formats.



Each file securely stored on device & server, requires a passcode to access & open.



Files cannot be intercepted on its route.

Shield Crypto Email



An email solution with end-to-end encryption mechanism.



All mails and attachments stored on the server in secure manner.



Provides multi-level authentication & authorization of users.



Exclusive features like priority mails, self-destructing mails etc.



Shield Encrypted SMS



An application to provide security for SMS.



Works for both GSM and CDMA networks, doesn't need internet.



Secure SMS messaging available both for individual or group.



Each SMS can be decrypted only on the receiving device.

Why Choose Our Product For Your Security Needs



TECHNOLOGY

We provide the right technology for your specific requirements.

STRATEGY

We align our security solutions with your business goals and objectives

COLLABORATION

We work with our clients as a team at every stage of product development for best results.

CONTINUED PROTECTION

We enhance our products with latest technologies, encryption algorithms and security mechanisms.



INNOVATION EXCELLENCE QUALITY

OUR GLOBAL PRESENCE

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THE ADVANTAL EDGE

01

COST EFFECTIVENESS

Our solutions and services are cost effective and we will help you to achieve your goals with optimal budget and timely delivery.

02

AGILE DEVELOPMENT

We work with AGILE methodology and believe in developing the project on-the-go to get real time feedback and usage stats.

03

GLOBAL REACH

We have served clients from across the world and are easily accessible to the global clientele.

04

TECHNICAL SUPERIORITY

With over a decade of experience in custom software development, we have immense industry insight and technical superiority to create the best solutions for you.

05

CUSTOM SOLUTIONS

We work with your concept to visualize, strategize and bring ideas to life with custom solutions designed just for you.



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