



## ENCRYPTED & SECURE SMB/ENTERPRISE CHAT SERVER & CLIENT

**Chat Shield is the most secure solution, designed to avoid Chat tapping!**

The main features and advantages are:

### Server side:

- **Chat Shield Server** is installed at the **End User premises**, which provides a highly secure architecture
- All the **sensitive information is never kept on the server side** - keeping your data out of reach.
- **Server content back up** - Server side can backup and save chat and metadata only in a non encrypted mode.

### Mobile side:

- Encrypted File transfer
- Encrypted Photo's / Picture delivery
- Encrypted Voice Record / PTT
- Quick switch between simultaneous chats
- Rich visibility settings for contacts and groups
- Group broadcasting
- Chat history can be managed
- Emoticons
- Grouping contacts by groups and/or accounts
- Contact list management: add/remove/edit contacts, groups, subscriptions
- Contact search
- Notification setting for each contact
- Typing notification support
- Message delivery receipts
- Shortcut to a chat on home screen

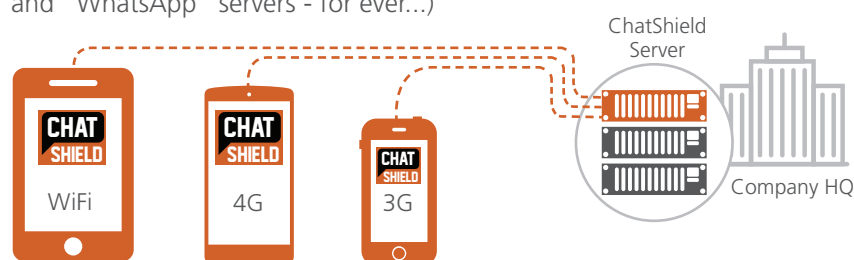
### Encryption and authentication:

- OTR standard Encryption which include AES based 128 bit encryption & D.H Key Exchange
- TLS support
- OpenPGP
- Multi verification and authentication options

**The perfect encrypted chat solution for SMB's and Enterprise end users looking for a secure and private chat experience.**

**Chat Shield** is an android based application comprised of a server side and client side - that allows Enterprises and Organizations to send and receive sensitive and secure chat information which includes: **Plain text, Files, Photos and Voice memo recording** in a fully private and secure manner.

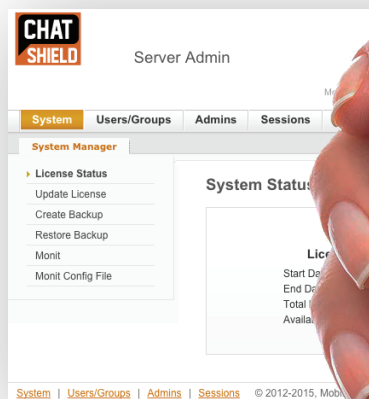
The solution includes a dedicated server that can be installed at the company premises or on the company cloud infrastructure. The "Chat Shield" solution creates a completely private chat network that avoids the use of public servers and apps like as "WhatsApp" (which are not encrypted and all keep all the Meta data on "Facebook" and "WhatsApp" servers - for ever...)



Supports Any Android version

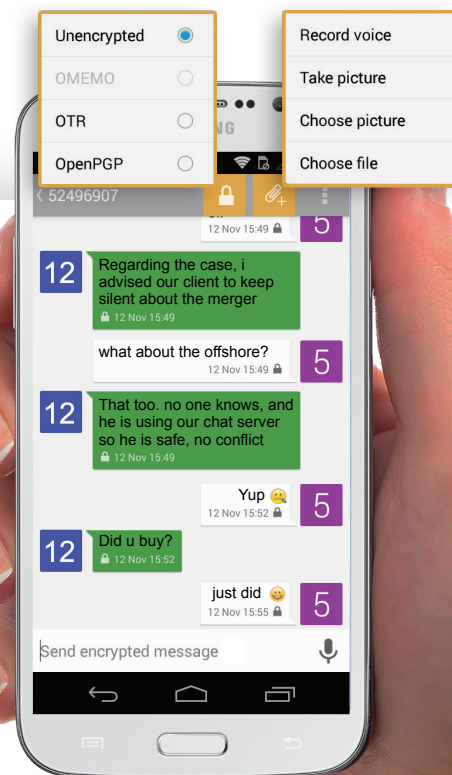
### ChatShield client supports:

- **Encrypted File transfer**
- **Encrypted Photo transfer**
- **Encrypted Voice recording**



### ChatShield Server supports:

- **Back up**
- **Restore**
- **Monitoring**



The Perfect solution  
For businesses who  
can not trust the  
regular  
"off-the-shelf"  
Chat Apps

## Top Security Guarantee

Protects your private chat  
conversations from preying  
eyes by creating your own  
encrypted chat channel

**ChatShield is Developed and powered by the top military grade security provider used by governments and states worldwide**

**CHAT SHIELD** ENCRYPTED & SECURE SMB/ENTERPRISE CHAT SERVER & CLIENT

Server Admin

Mobile-crypto Securechat server 1.10.14  
Logged in as admin - [Logout](#)

System **Users/Groups** Admins Sessions

Users Groups

► User Summary  
Create New User  
User Search

**User Summary**

Total Users: 33 -- Sorted by Username -- Users per page: 100

Online	Username	Name	Groups	Created	Last Logout	Edit	Delete
	050-4896650	Alex	yaniv	Nov 24, 2015	1 hour, 0 minutes		
	050-4896651	Vadim	android, yaniv	Oct 14, 2015	1 hour, 1 minute		
	050-4896652	George	android, test	Sep 20, 2015	34 days, 0 hours, 48 minutes		
	050-4896653	Nadia	None	May 16, 2015	210 days, 11 hours, 59 minutes		
	050-4896654	MAX					
	050-4896655	Hedra					
	050-4896656	Black 01					
	054-7023360	Black 01					
	054-7023361	Black 01					
	054-7023362	Black 01					
	054-7023363	Benjamin					
	054-7023364	Claire					



## ChatShield Server Requierments:

### Security

Trusted Android CA certificate for the server DNS.  
This certificate is needed for devices to connect to the server.

### Physical machine

1. 4GB RAM
2. 64GB minimum hard drive
3. 2Ghz minimum processor speed
4. Ubuntu 12.04 OS installation with latest updates.

### VM

1. 4GB memory
2. Minimum 64GB hard disk
3. bridged network
4. 1 processor

### Network

1. Fixed routable IP for the server
2. DNS name for that server
3. Bandwidth: 3Mbit/s outgoing traffic (from server to internet) and 5 Mbit/sec incoming traffic (from internet to server)

### Network access

Outgoing (from the server to the world)

- port 443 TCP for SSL communication
- port 53 for DNS resolution
- port 123 for NTP server
- port 80 for downloading apps (if apps crawler is activated)

Incoming (from the world to the server)

- port 443 (web server, pusher, portal)
- port 22 for SSH access

Contact Info:

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Server Admin

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System **Users/Groups** Admins Sessions

Users Groups

► Group Summary  
Create New Group

**Group Summary**

Total Groups: 3 Search by Name:

	Name	Members	Admins	Edit	Delete
1	android android group	8	0		
2	Law Division	4	0		
3	Accounting Division	4	0		

**CHAT SHIELD** ENCRYPTED & SECURE SMB/ENTERPRISE CHAT SERVER & CLIENT

Securechat Server Admin

Mobile-crypto Securechat server 1.10.14  
Logged in as admin - [Logout](#)

System **Users/Groups** Admins **Sessions**

Active Sessions Tools

► Send Message

**Send Administrative Message**

Use the form below to send an administrative message to all users.

To:

Message:

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System | **Users/Groups** | Admins | Sessions