

Mobion



Secured and Disruptive Mobile Communication

Mobion Agenda

- About Mobion
- Features
- Security
- Architecture



About Mobion



7000+ Army Officers



Indian Air force

4000+ Air Force Officers



About Mobion



Top 5 Key Reasons to Invest in Mobion Communication Solution

Secured and Private



Your Own Mobile App



Voice, Video, Chat, Conf, File Sharing



Cost Saving



PBX Integration, iOS, Android

Your Own **Secure and Private** Mobile Communication Solution

About Mobion



What is Mobion ?

- Audio / Video Call
- Group Conferencing
- IM / Chat
- Office PBX Integration



Mobion Visuals

Logon

3:09 PM


Mobion

Username
+91900308967

(Enter Registered mobion number with +sign and country code)

Password
.....

Remember Me

Forgot Password

Dial Pad

3:10 PM




Mobion

Call Log Dialpad Recently Viewed

India (91) >
Enter number with + sign and country code

+91

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
*	0 +	#

 AUDIO  VIDEO  CONF

Chats Phone Confere... Contacts Search

Contact

3:12 PM

Vijay

+919994677335  

Landline 

+914422330101 

Office Ext 

Network 3G
Status Available
City Chennai
Country India

 Ref

Chat

16:54

Joe Online

Hi wils Today 04:38 pm ✓

Hi Joe Today 04:39 pm

Good morning did you schedule the meeting with the team Today 04:39 pm ✓

Yes am working on it will be scheduled through mobion shortly Today 04:40 pm

Originator : Bratt
Participants : Wilson, Vijay
Star: time : 15/Sep/2018 05:44 AM
End time : 15/Sep/2018 06:44 AM

Type Message 

Value Proposition



- Saving communication cost
- No further investment in expansion
- Eliminates roaming charges
- Savings in Maintenance
- Saving in Conference expense

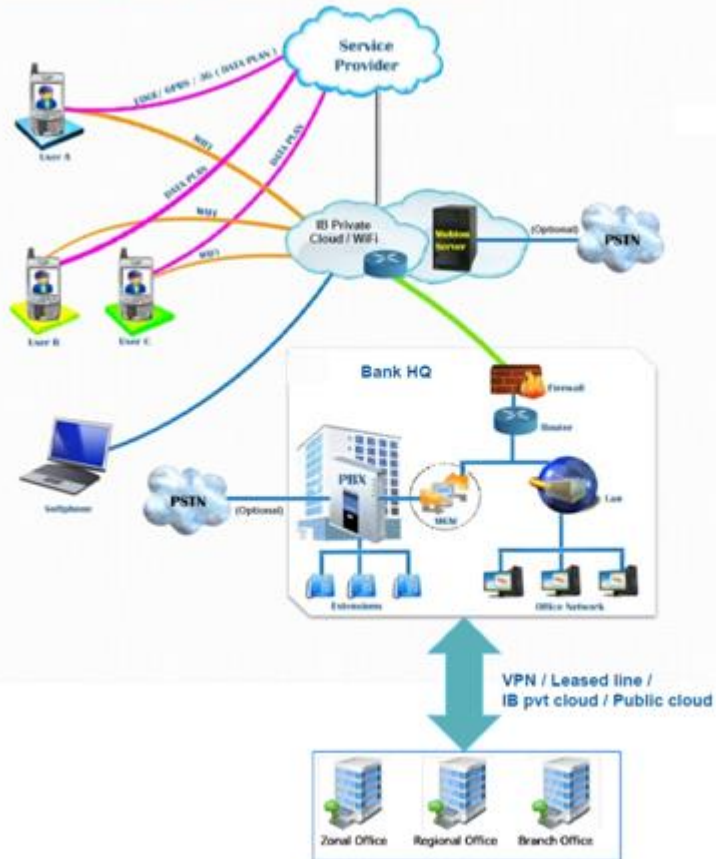
- Productivity enhancement using IM & presence
- Integration of Desk phone, Mobile and Soft phone for “Single Number”
- Use Laptop / Tablet as client
- Enables Enterprise Mobility by becoming a Virtual Office
- Extension anywhere from the Globe

- Secured communication
- Mobile data is protected with MDM features

Mobion Architecture



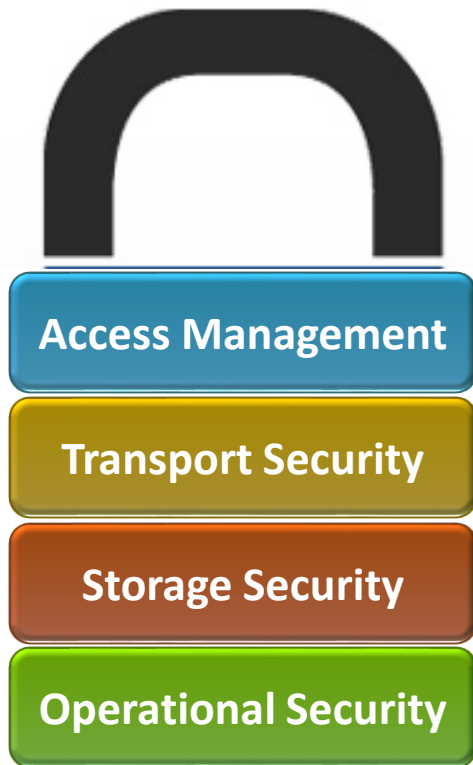
MOBION DEPLOYMENT ARCHITECTURE FOR INDIAN BANK



Audio	Video
PCM A/u ; Opus ; AMR ; GSM	H.263 ; H.264 ; VP8

Network	Media	Bandwidth (Kbps)	Image Size
Broadband IP	Video	150 to 200 Kbps	QCIF, CIF
	Voice	22 Kbps	

Mobion Security



Comprehensive Security

Mobion offers **4** Levels of Security for Safeguarding the Data Transmitted and Stored through Mobion Solution.

The Security Protocols can be enhanced / customized based on Bank requirements.



Mobion Security



Access Management



IMSI Authentication (SIM Authentication)

- The IMSI number verified with Data base table before login to the service.

This process will ensure that Mobion user is using an IB authenticated SIM.

Domain Authentication

- To authenticate that user is part of the domain and “Active Directory checks” performed for Account Credentials (SSO)

This process will ensure the Mobion user is a IB authorized user on date

Location Authentication (Optional)

- Mobion can be made work only in IB Domain / Private cloud / Geo Position

Mobion Security



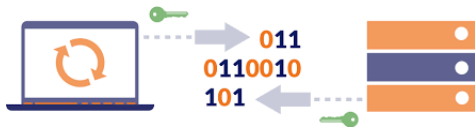
Transport Security



Transport Layer Security

- Mobion application uses TLS to communicate with SIP server and to Encrypt transmitted data.
- Mobion uses HTTPS for communication with Mobion Web server.

This process ensures hackers cannot decode the call flow or any content.



Secured Real Time transport (SRTP)

- Mobion uses SRTP for the voice and video communication . All the RTP data's are encrypted by AES 128/256 algorithm.

This method protects voice/video data and cannot be hacked or replay.

Mobion Security



Storage Security



- All the data like messages , keys and codes are stored in encrypted format using AES 128/256 algorithm in both **Mobile and Server.**
- Data Cannot be viewed without password.
- Messages can be put in hide mode.
- Message storing can be kept only in the server storage (optional)

Mobion Security



Operational Security



- Forward message option only admin or no one or every one.
- Cut , copy and paste disabled.
- Recording can be Selectively Managed.
- Send location information
- Audit logs
- CDR

Mobion Security



Access Management

Network Security

Storage Security

Operational Security

Access

- Domain Authentication
- IMSI Authentication



Transport

- TLS
- Secure Real-time Transport Protocol (SRTP)



Storage

- Data stored in Real time
AES 128/256 Encryption
- Data storage only
Server not in client



Operational

Audit Logs
Cut Paste
Recording
CDR, Listing

