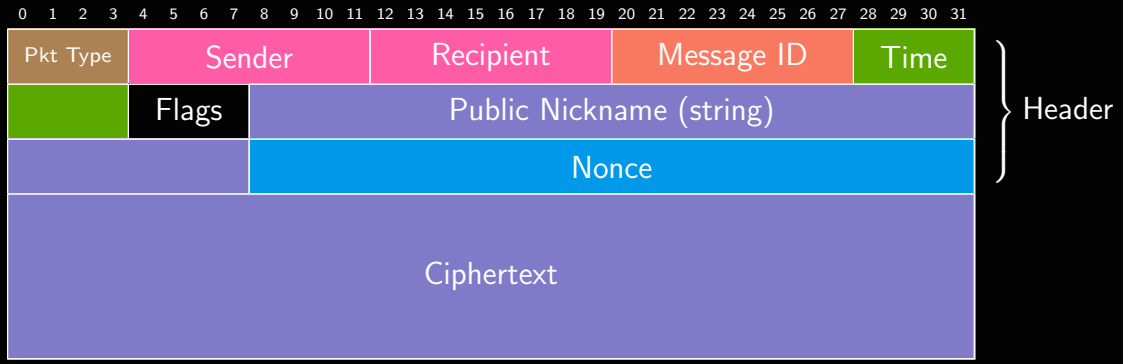
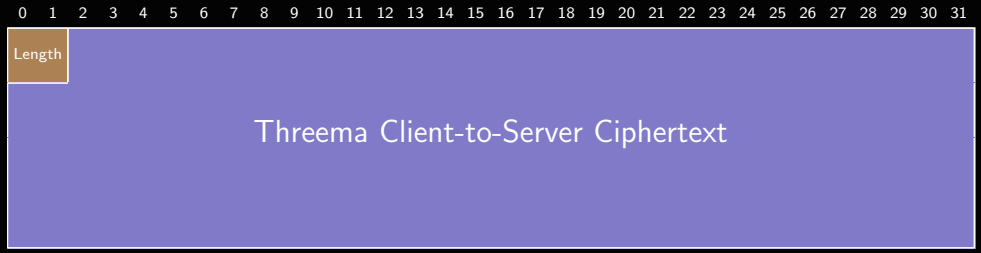
Message Packet (Threema Protocol Layer)



- Only the MSB of *Flags is used*

Message Packet on the Wire



Text Message

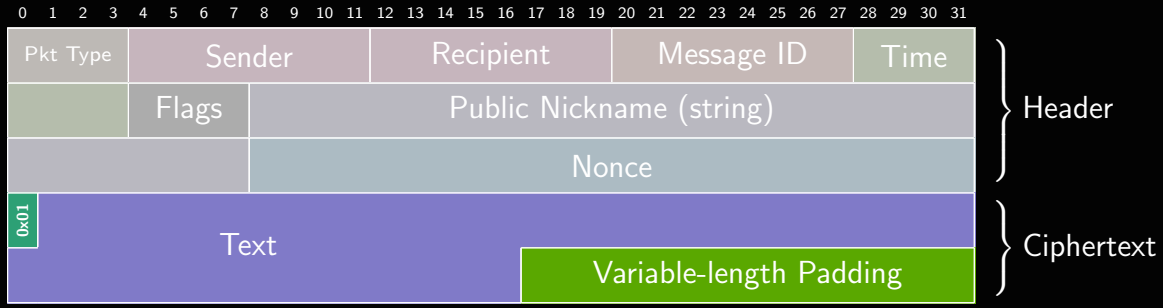
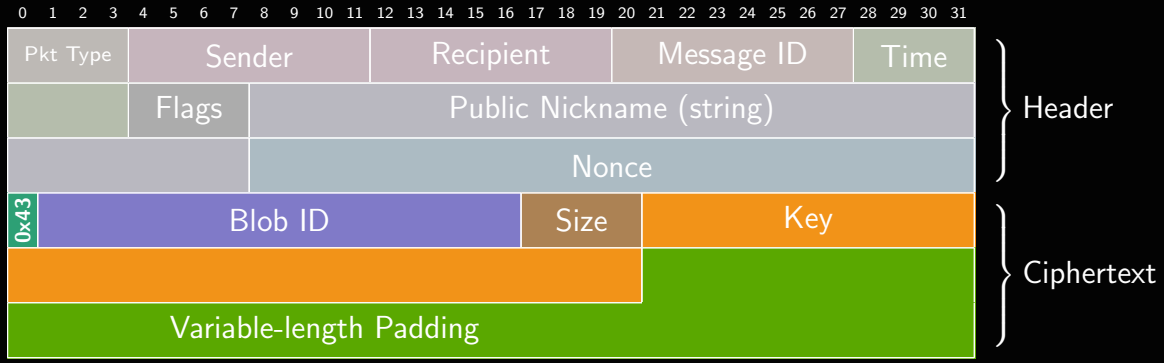
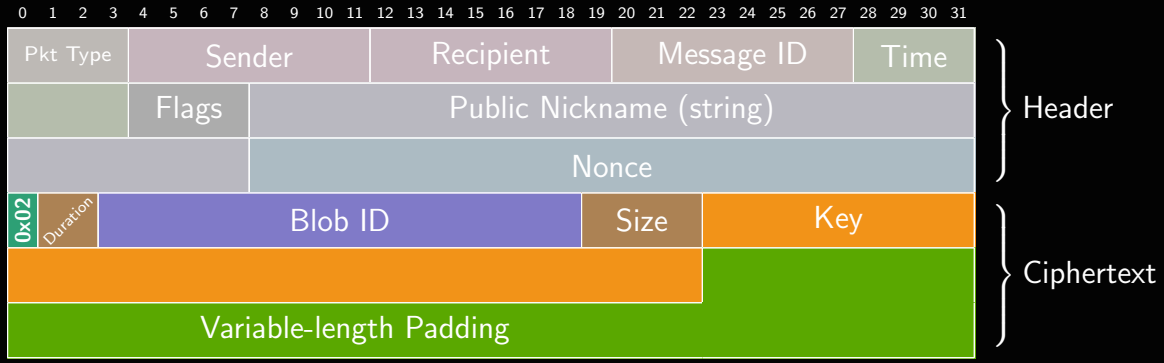


Image Message

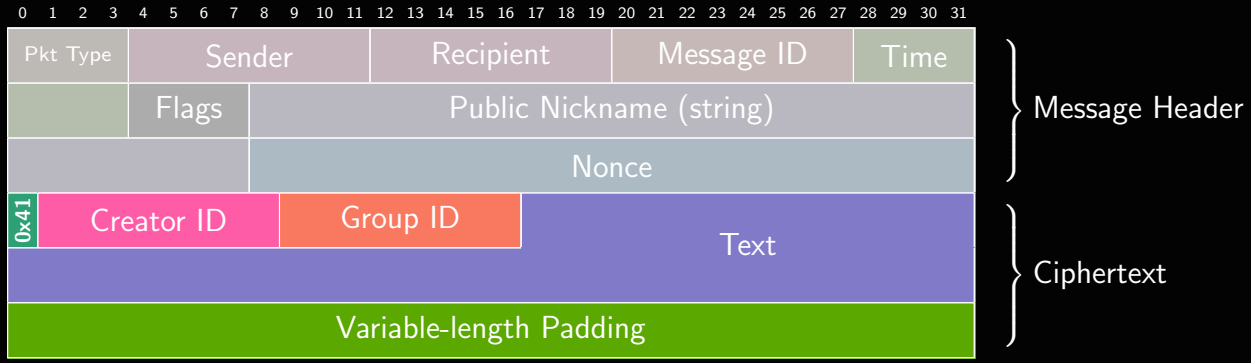


- Blob is symmetrically encrypted using *Key* and uploaded to asset server.
- Image captions are stored inside the image's EXIF data. These data leak upon creating such an image while the "save media to gallery" option is enabled.

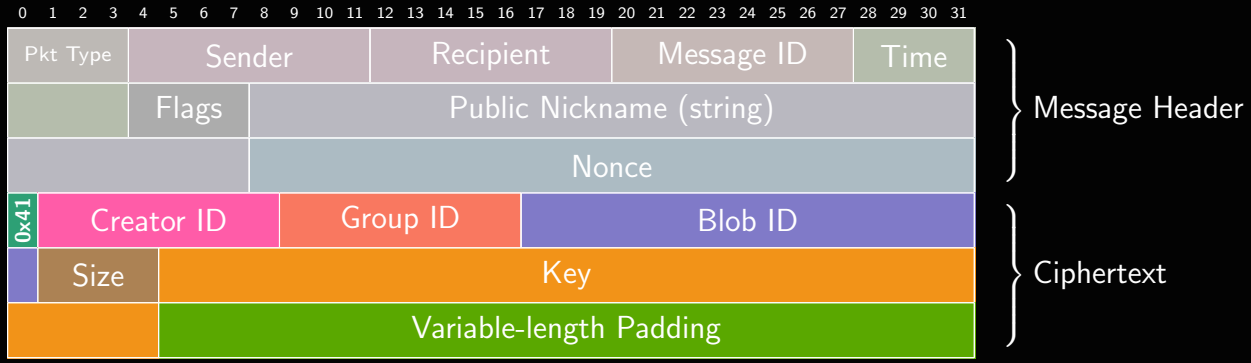
Audio Message



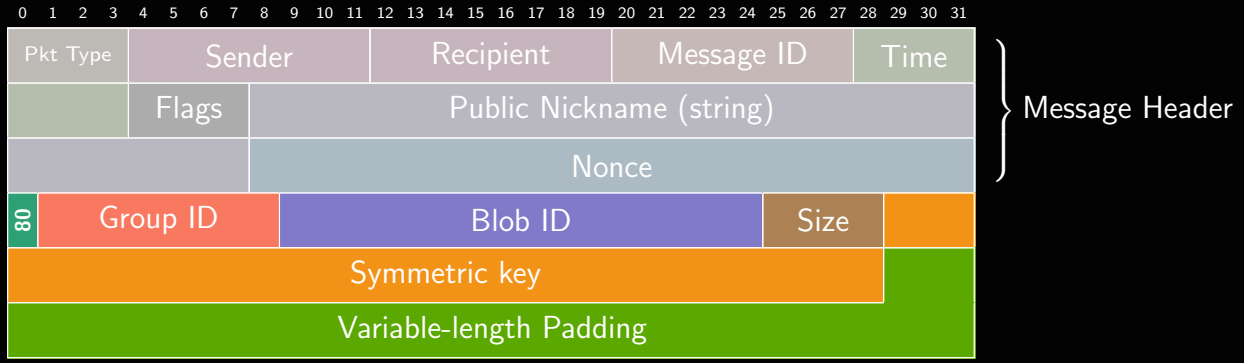
Group Message Packet



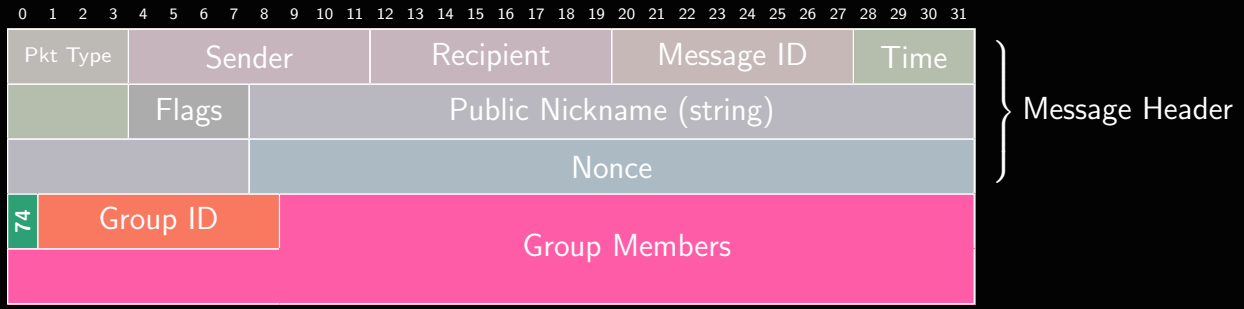
Group Image Message



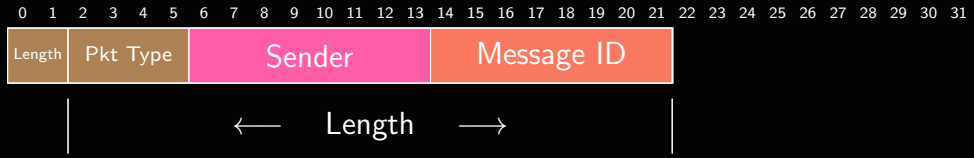
Group Picture Update



Create/Update Group (members)

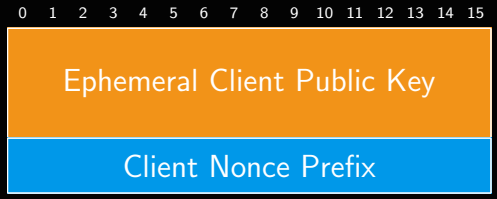


Acknowledgement Packet to Server

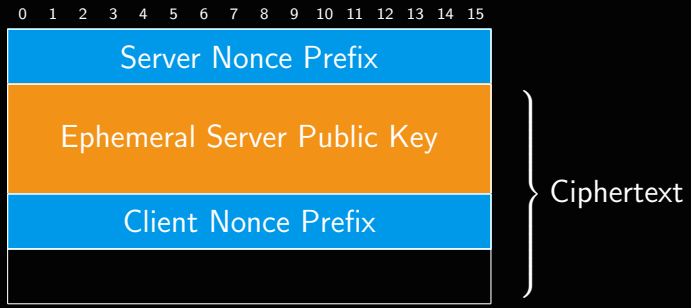


Client-Server Handshake

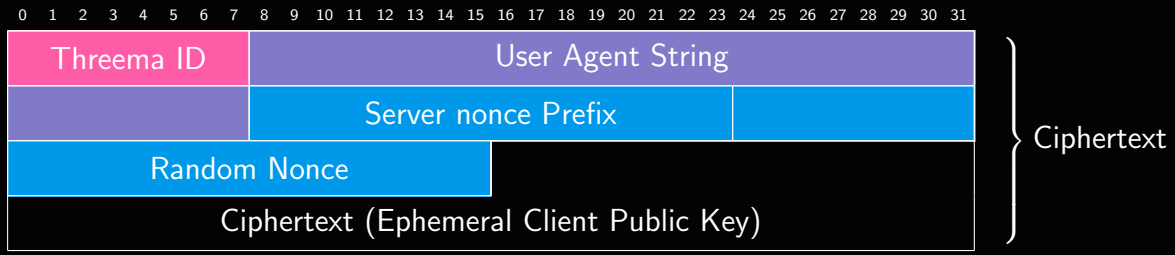
Client Hello



Server Hello



Client Authentication Packet

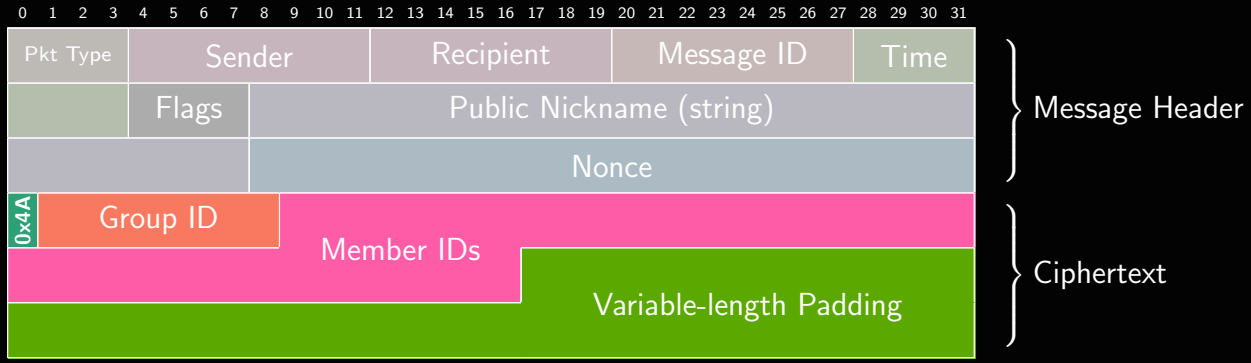


Server Acknowledgement

PKCS7 Padding

												03	03	03
											04	04	04	04
								08	08	08	08	08	08	08	08
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
											05	05	05	05	05
										06	06	06	06	06	06

Group Management Message - Add Users



Group Management Message - Rename Group