Custom Protocol Explanation
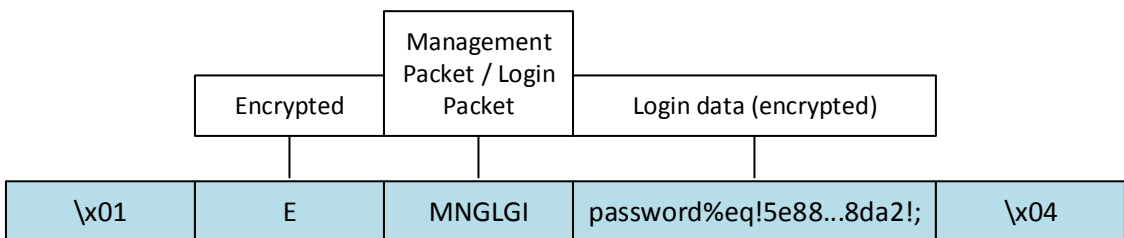### For version 0.10-8.18
Oct 15 2018

General Packet Structure

SOH	Specifier	ID (+ Sub-ID)	DATA	EOT

- „START OF HEADING" Marks start of packet 1Byte
- Specifies encryption state of packet 1 Byte
- Packet ID (+ Sub-ID) Specifies content of packet 3 – 6 Bytes
- Data (Packet content) undefined length
- „END OF TRANSMISSION" Marks end of packet 1Byte

Example

\x01	E	MNGLGI	password%eq!5e88...8da2!;	\x04

- Encrypted
- Management Packet / Login Packet
- Login data (encrypted)
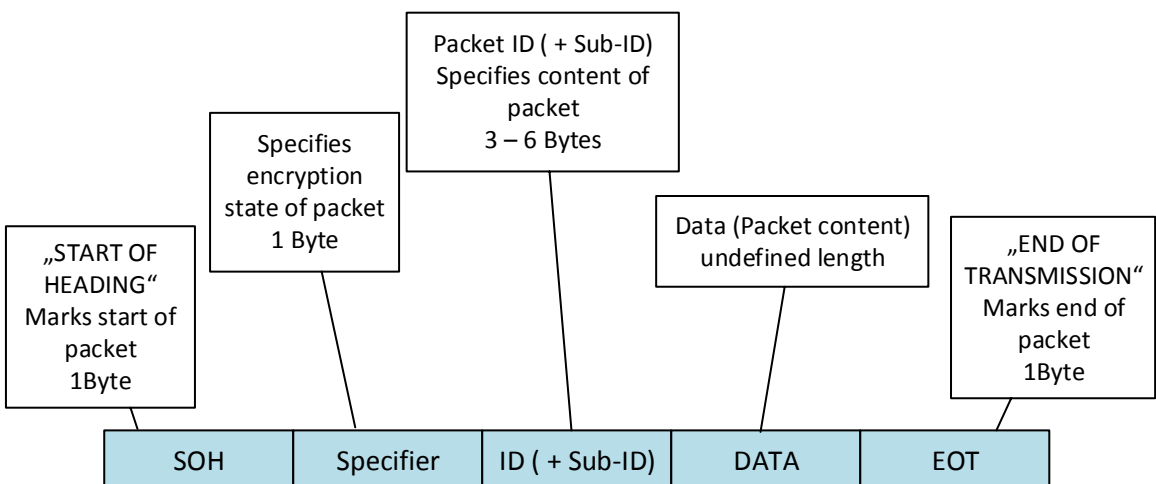
List of all IDs

Specifier	ID	Sub-ID	Abbreviation	Meaning
U			Unencrypted	
	FIN		FINish connection	Disconnect packet
	INI		INItialization	Initialize key exchange
		XML	XML format	Start key exchange using XML-Microsoft RSA format
		PEM	PEM format	Start key exchange using PEM key format
	KEY		RSA KEY	(SERVER ONLY) RSA key exchange related
		XML	XML formatted RSA key	(SERVER ONLY) Packet contains RSA Key in XML format
		PEM	PEM formatted RSA key	(SERVER ONLY) Packet contains RSA Key in PEM format
K			Key Exchange	
	CKE		Client RSA Key Exchange	Packet contains client RSA key and encrypted nonce
	SKE		Symmetric Key Exchange	(SERVER ONLY) Packet contains AES key and decrypted nonce
E			Encrypted	
	KEX		Key EXchange	AES key exchange related
		ACK	ACKnowledge	Test if AES encryption is working
	INF		INFormation	Information
		ERR	ERRor	Packet contains error message
		ACK	ACKnowledge	Command executed successfully
		RET	RETurn	Returns information regarding an executed command
	REQ		Database REQuest	Database related
		INS	INSert	Packet contains request to insert data from database
		UPD	UPDate	Packet contains request to update data from database
		SEL	SELect	Packet contains request to select data from database
		SYN	SYNchronization	Packet requests for data needed to sync databases
		DEL	DELete	Packet contains request to delete from the database
	MNG		MaNaGement	Account and Server management
		ADM	ADMin	Request to log in as admin
		REG	REGister	Register a new user
		LGI	LoG In	Log in as an existing user
		SHT	ShuTdown	(ADMIN ONLY) Shutdown server
		RBT	ReBooT	(ADMIN ONLY) Reboot server
		LOG	LOG	(ADMIN ONLY) Dump log files
		LIC	LIst Clients	(ADMIN ONLY) List all connected clients
		KIK	KIcK	(ADMIN ONLY) Kick a connected client
		BAN	BAN an ip address	(ADMIN ONLY) ban a client by ip for a specified duration
		ACR	ACcount Request	Account related. Request a verification code to change the password or to delete the account. (PWC, DEL)
		CPC	Commit Password Change	Provide a verification code and change password
		CND	2FA Code for New Device	Provide a verification code and log in with a new device
		VER	VERify account	Provide a verification code and activate account
		DEL	DELete account	Provide a verification code and delete account
	DTA		DaTA	(SERVER ONLY)
		RET	RETurn	(SERVER ONLY) Return value of requested data
	LOG		LOG	(SERVER ONLY)
		DMP	DuMP	(SERVER ONLY) Return value of dumped logs