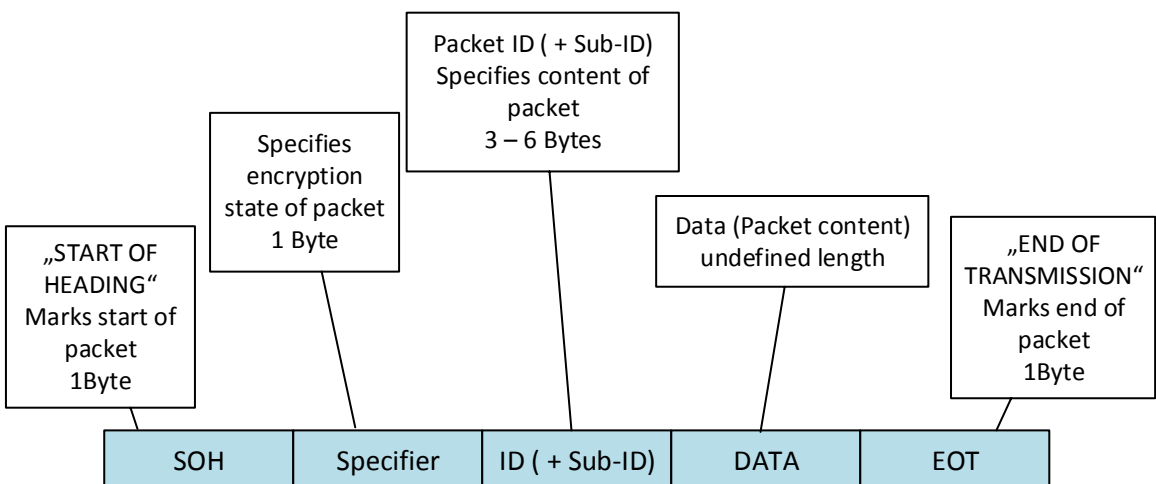


Custom Protocol Explanation

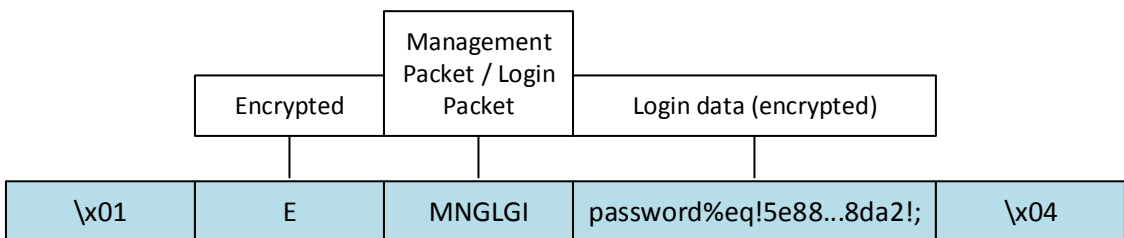
For version 0.10-8.18

Oct 15 2018

General Packet Structure



Example



List of all IDs

Specifier	ID	Sub-ID	Abbreviation	Meaning
U	FIN INI		Unencrypted FINish connection INITialization	Disconnect packet Initialize key exchange
		XML PEM	XML format PEM format	Start key exchange using XML-Microsoft RSA 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	CKE SKE		Key Exchange Client RSA Key Exchange Symmetric Key Exchange	Packet contains client RSA key and encrypted nonce (SERVER ONLY) Packet contains AES key and decrypted nonce
E	KEX		Encrypted Key EXchange	AES key exchange related
		ACK	ACKnowledge	Test if AES encryption is working
	INF		INFormation	Information
		ERR	ERRor	Packet contains error message
	REQ	ACK	ACKnowledge	Command executed successfully
		RET	RETurn	Returns information regarding an executed command
	MNG		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
			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
		BNA	BaN Account	(ADMIN ONLY) Ban a user and prevent him from logging in
		NAD	New Admin Device	(ADMIN ONLY) Provide a validation code for a new device
		APR	Admin Pw change Request	(ADMIN ONLY) Initialize changing the admin password
		APC	Admin Pw change Commit	(ADMIN ONLY) Commit tha password change by providing a valid 2FA code
		PWH	PassWord Hash	Request the hash of a users master password to log in locally after a password change on a different device
		CEA	Change Email Address	(BEFORE ACTIVATION) To correct typos
		GAA	Get Account Activity	Request the account history and view all changes ever made
		RTC	Resend TwoFA Code	Generate a new 2FA code and send it via email
		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