

Mateusz Okrój

File Transporter Protocol Specification

Version 1.0

List of commands for client

Nr	Name							Parameters (type and size)																							
	ASCII - 6 bytes						ASCII - 5 bytes				ASCII - Max 256 bytes (no whitespace)				ASCII - 6 bytes				ASCII - 8 bytes												
1.	L	O	G	I	N	[]	H	O	S	T	[]	[Client hostname]			[]	P	A	S	S	[]	[Password]										
2.	ASCII - 9 bytes							GUID 128bit (16 bytes)							ASCII	Unicode (UTF16) - Max 256 chars * 2 byte				ASCII 2 B		ULong 8 bytes									
	F	I	L	E	[]	A	D	D	\0	[Client ID]							\0	[Filename.Extension]				\0	\0	[File size in bytes]							
3.	ASCII - 10 bytes							GUID 128 bit (16 bytes)																							
	↑	↑	↑	↑	↑	S	T	O	P	\0	[File ID (from server)]																				
4.	ASCII - 10 bytes							GUID 128 bit (16 bytes)							ASCII	ULong 8 bytes				ULong 8 bytes				ASCII	Array of bytes (Size = Last-First)		ASCII	Array - 20 bytes			
	↑	↑	↑	↑	↑	D	A	T	A	\0	[File ID (from server)]							\0	[Start Index]				[Last Index]				\0	[File data]		\0	SHA1 checksum
5.	ASCII - 7 bytes							GUID 128bit (16 bytes)																							
	L	O	G	O	U	T		\0	[Client ID]																						
6.	ASCII - 5 bytes						GUID 128bit (16 bytes)																								
	I	[]	A	M	\0		[Client ID]																								

List of commands for server

Nr	Name										Parameters (type and size)																																			
1.	ASCII - 9 bytes										GUID 128bit (16 bytes)																																			
	A	C	C	E	P	T	E	D	\0		ID of new file or client																																			
2.	ASCII - 7 bytes																																													
	A	B	O	R	T	E	D																																							
3.	ASCII - 7 bytes																																													
	T	I	M	E	O	U	T																																							
4.	ASCII - 6 bytes																GUID 128bit (16 bytes)										ULong 8 bytes										ULong 8 bytes									
	R	E	T	R	Y	\0											File ID										[Start Index]										[Last Index]									
5.	ASCII - 3 B																																													
	B	Y	E																																											
6.	ASCII - 15 bytes																																													
	I	N	V	A	L	I	D	[]	M	E	S	S	A	G	E																															
7.	ASCII - 7 bytes																																													
	W	E	L	C	O	M	E																																							
8.	ASCII - 12 bytes																																													
	I	N	V	A	L	I	D	[]	P	A	S	S																																		
9.	ASCII																																													
	O	K																																												