

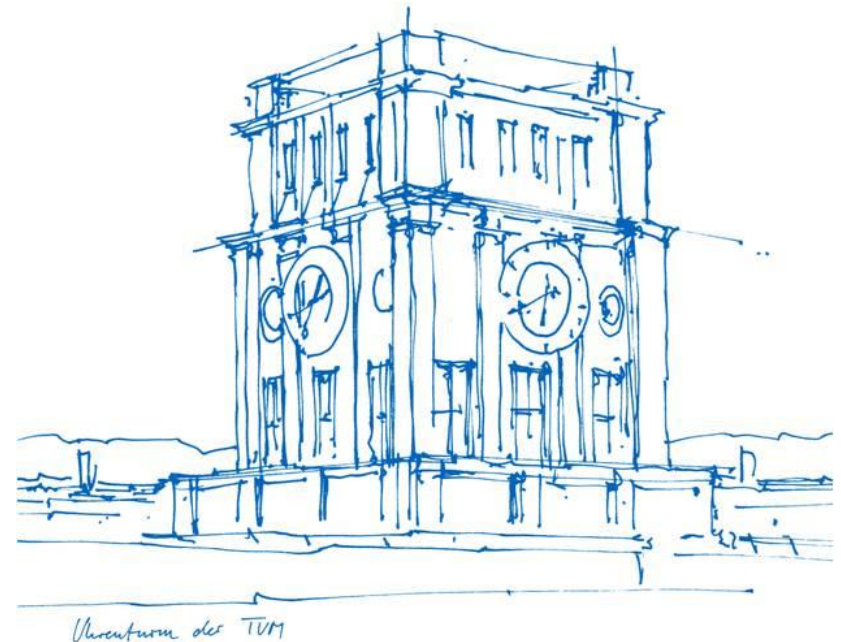
Assignment 1 Specification

Fabian Sauter, Kilian Traub, Atakan Yenel

Group 5

Technische Universität München

Garching, 30.04.2018



Handshake

[1] Client-Hello-Handshake:

```

0      4      20      52      56
+-----+-----+-----+-----+
| Type | Port | Checksum | UNUSED |
+-----+-----+-----+-----+

```

[2] Server-Hello-Handshake:

```

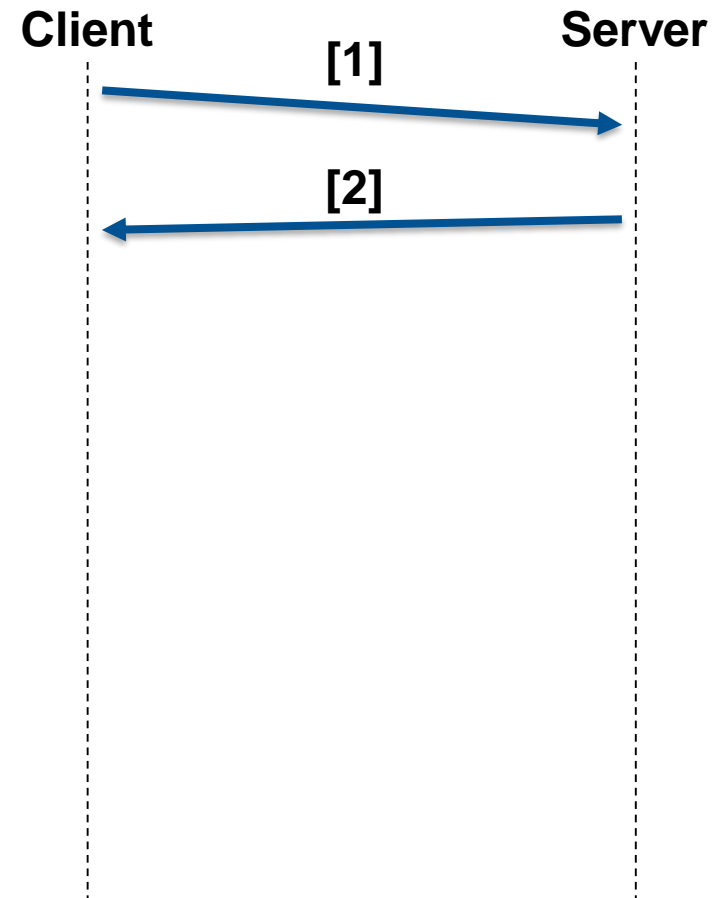
0      4      8      40      56      88
+-----+-----+-----+-----+-----+
| Type | Flags | Client ID | Upload-port | Checksum |
+-----+-----+-----+-----+-----+

```

```

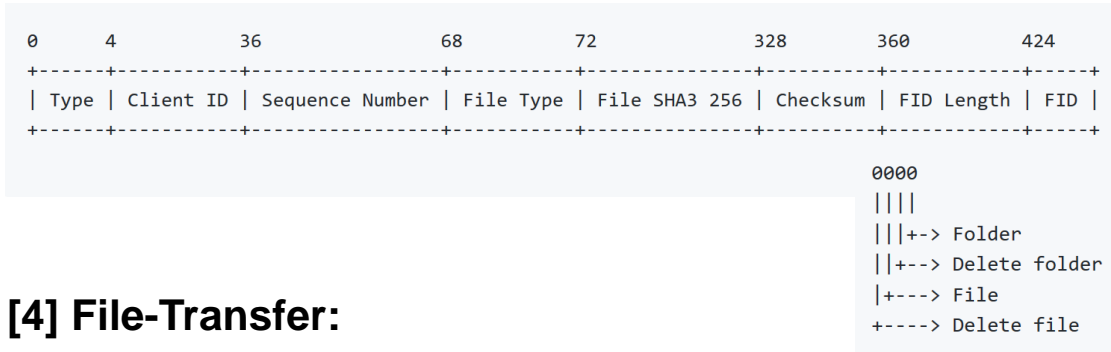
0000
||||
|||+-> Client accepted
||+--> Too many clients - connection revoked
|+---> *UNUSED*
+----> *UNUSED*

```

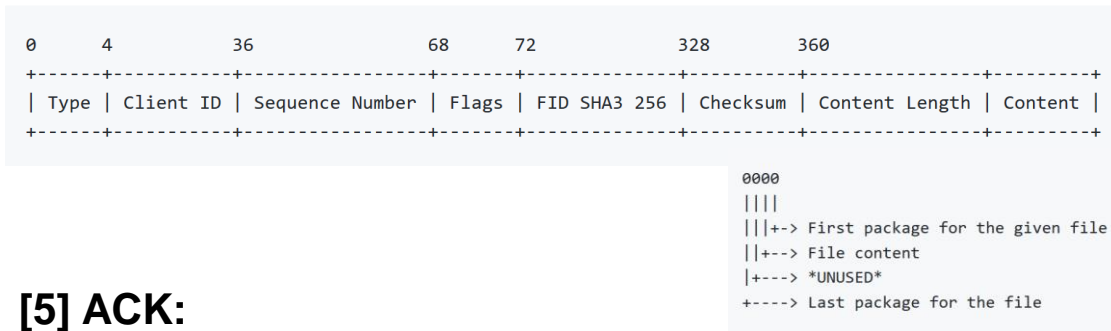


Transfer

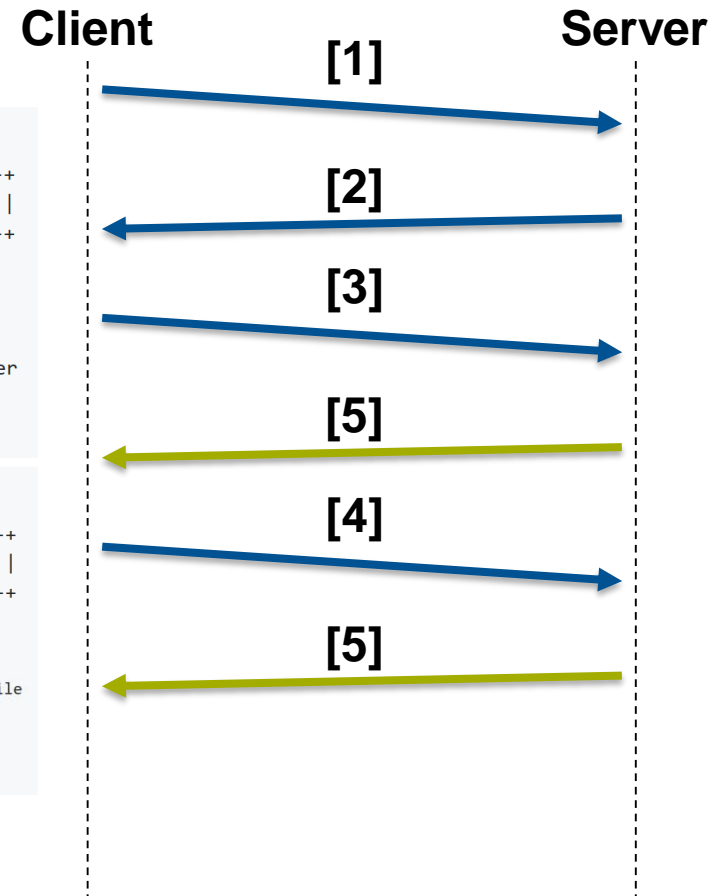
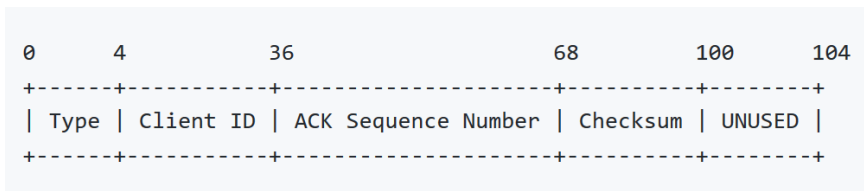
[3] File-Creation:



[4] File-Transfer:



[5] ACK:



Utilities

[6] Transfer-Ended:

0	4	8	40	72	0000
+	+	+	+	+	
Type	Flags	Client ID	Checksum		+--> Transfer finished
+	+	+	+	+	+--> Cancelled by user
					+---> Error
					+----> *UNUSED*

[7] File-Status:

0	4	8	40	72	134
+	+	+	+	+	+
Type	Flags	Last Sequence Number	Checksum	FID Length	FID
+	+	+	+	+	+

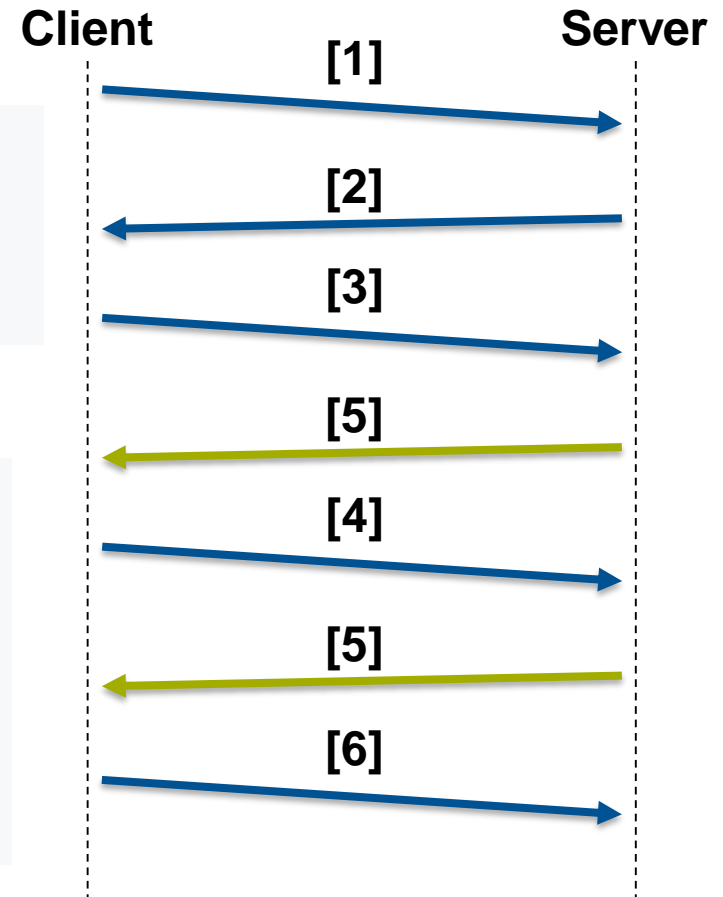
[8] Ping:

0	4	36	64
+	+	+	+
Type	Ping Sequence Number	Payload Length	Payload
+	+	+	+

```

0000
||||
|||+--> Request status of FID
||+--> FID status response
|+----> *UNUSED*
+----> *UNUSED*

```



Utilities

[6] Transfer-Ended:

0	4	8	40	72	0000
+	+	+	+	+	
Type	Flags	Client ID	Checksum		+--> Transfer finished
+	+	+	+	+	+--> Cancelled by user
					+---> Error
					+----> *UNUSED*

[7] File-Status:

0	4	8	40	72	134
+	+	+	+	+	+
Type	Flags	Last Sequence Number	Checksum	FID Length	FID
+	+	+	+	+	+

[8] Ping:

0	4	36	64
+	+	+	+
Type	Ping Sequence Number	Payload Length	Payload
+	+	+	+

0000
||||
|||+--> Request status of FID
||+--> FID status response
|+---> *UNUSED*
+----> *UNUSED*

