## Verteilte Systeme – SS23 Aufgabe 3: Remote Procedure Calls (RPC)

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## Messprotokoll (Excel Tabelle)

## Ohne TCP-Clients:

Onn	e I	CP-Clier	nts:									
			#Stockma	#UDP-	Sent	Received						
		#Banks -	rkets -	sent(per	Packet	Packet				#Banks -	#Bank -	
		#BallKS -	UDP				Difference	#les+Desk	Do elect Loca	RPC	RPC	DDC: DTT
Casa				ket)					Packet Loss Rate			RPC: RTT-
Case		Server	Client	-	[Bytes]	[Bytes]	e (Avg)	ets		Server	Client	Avg (ms)
	1.1	2						-		1		
	1.2	2										
	1.3	2	1	100	16	16					1	
avg							0	0	0			157
				4000	4-	4-			0.000/			222
	2.1	2								1		
	2.2	2										
	2.3	2	1	1000	16	16					1	-
avge							0	0	0.00%			189.3333
	3.1	2		-								
	3.2	2		,								
	3.3	2	1	10,000	17	17		_			1	289
avg							0	0.333333	0.03%			345
	4.1	2						0		1	1	
	4.2	2	2	100	16	16	0	0	0.00%	1	1	182
	4.3	2	2	100	16	16	0	0	0.00%	1	1	175
avg							0	0	0.00%			196.6667
	5.1	2	2	1000	16	16	0	0	0.00%	1	1	245
	5.2	2	2	1000	16	16	0	0	0.00%	1	1	202
	5.3	2	2	1000	17	17	0	0	0.00%	1	1	181
avge							0	0	0.00%			209.3333
	6.1	2	2	10,000	15	15	0	0	0.00%	1	1	430
	6.2	2	2	10,000	16	16	0	1	0.10%	1	1	366
	6.3	2	2	10,000	16	16	0	0	0.00%	1	1	323
avg								0.333333				373

## Mit TCP-Clients:

			#UDP-											
		#Stockma	Packets	Sent	Received									RTT-
	#Banks -	rkets -	sent(per	Packet	Packet				#Banks -	#Bank -		#Users -	#TCP-	+A33+A3
	UDP	UDP	Stockmar	Size (Avg)	Size (Avg)	Differenc	#lostPack	Packet Loss	RPC	RPC	RPC: RTT-	TCP	Requests	3:P+A33:
Case	Server	Client	ket)	[Bytes]	[Bytes]	e (Avg)	ets	Rate	Server	Client	Avg (ms)	Client	sent	P57
7.1	. 2	1	100	16	16	0	2	2.00%	. 1	. 1	325	1	100	24.
7.2	2	1	100	17	17	0	0	0.00%	. 1	. 1	312	1	100	21.
7.3	3 2	1	100	16	16	0	0	0.00%	. 1	. 1	273	1	100	14.
avg						0	0.666667	0.67%	i		303.3333			20.0666
8.1												1		
8.2				-								1		
8.3	3 2	1	1000	17	17		_			. 1		1	1000	_
avge						0	14.33333	1.43%			272.5			19.7666
9.1	. 2	1	10,000	16	16	0	5166	51.66%	5 1	. 1	858	1	5,000	35.3
9.2	. 2	1	10,000	15	15	0	4851	48.51%	. 1	. 1	512	1	5,000	29.:
9.3	3 2	1	10,000	16	16	0	4322	43.22%	. 1	. 1	332.5	1	5,000	26.
avg						0	4779.667	47.80%	i		567.5			30.3
10.1	. 2	2	100	17	17	0	189/400	47.25%	5 1	. 1	399	1	100	25.
10.2	. 2	2	100	16	16	0	100/400	25.00%	. 1	. 1	420	1	100	16.3
10.3	3 2	2	100	16	16	0	77/400	19.25%	. 1	. 1	352	1	100	17.
avg						0	122/400	30.50%			390.3333			19.0
11.1	. 2	2	1000	17	16	1	328/4000	5.95%	5 1	. 1	781	1	1000	33.
11.2	2	2	1000	16	16	0	1739/400	43.48%	1	. 1	519	1	1000	27.9
11.3	3 2	2	1000	16	16		1254/400		1	. 1	352.22	1	1000	25.4
avge						0.333333	1107/400	26.93%	5		550.74			28.8666