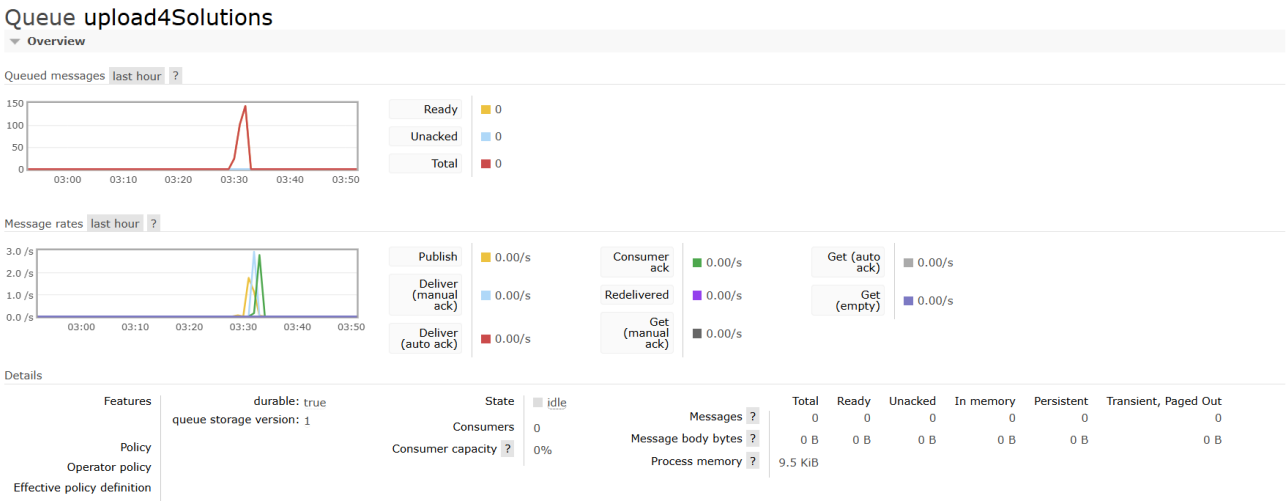
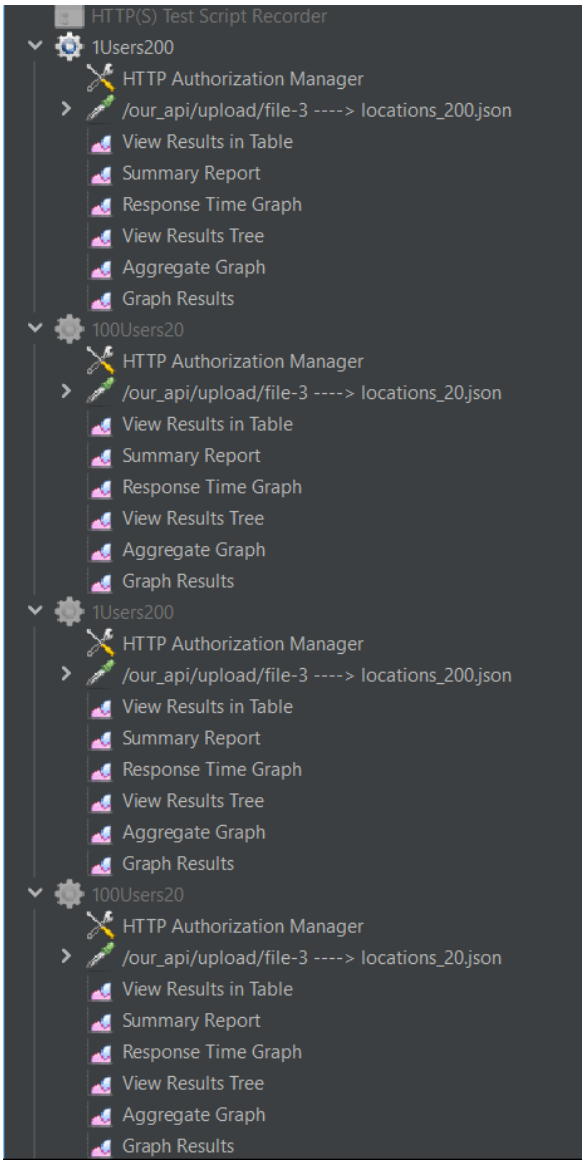
Testing





Για να κάνουμε το Stress Test δημιουργήσαμε uploads requests, τα οποία λειτουργούν με τον ακόλουθο τρόπο:

Πρώτα γίνεται ένα request με το location200 το οποίο ολοκληρώνεται μετά από περίπου 5λ.
Πριν ολοκληρωθεί δημιουργούνται 100 νέα requests με το location20 τα οποία ολοκληρώνονται σε πολύ μικρό χρονικό διάστημα.
Επιπλέον πριν ολοκληρωθεί το πρώτο request δημιουργούνται ξανά ένα request με το location200 και 100 requests με το location20.

Ακολουθούν φωτογραφίες κατά την διάρκεια του Stress Test:
Στην ακόλουθη φωτογραφία έχει φορτωθεί και «τρέχει» το 1° μεγάλο αρχείο και έχουν αρχίζει να φορτώνονται τα μικρά

Queues

All queues (2)

Pagination

Page 1 of 1 - Filter: Regex ?

Overview					Messages			Message rates			+/-
Virtual host	**Name**	**Type**	Features	**State**	**Ready**	**Unacked**	**Total**	**incoming**	**deliver / get**	**ack**	
/	**upload4Solver**	classic	D	running	78	1	79	1.2/s	0.00/s	0.00/s	
/	**upload4Submission**	classic	D	running	79	0	79	1.2/s			

Ολοκληρώνεται η φόρτωση των «μικρών»:

Queues

All queues (2)

Pagination

Page 1 of 1 - Filter: Regex ?

Overview					Messages			Message rates			+/-
Virtual host	**Name**	**Type**	Features	**State**	**Ready**	**Unacked**	**Total**	**incoming**	**deliver / get**	**ack**	
/	**upload4Solver**	classic	D	running	100	1	101	0.00/s	0.00/s	0.00/s	
/	**upload4Submission**	classic	D	running	101	0	101	0.00/s			

Η ουρά όσο «τρέχει» το μεγάλο αρχείο και έχουν αρχίσει να φορτώνονται και τα δεύτερα 20άρια είναι:

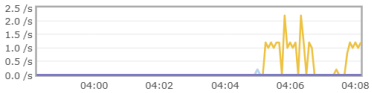
Queue upload4Solver

Overview

Queued messages last ten minutes ?

Ready	137
Unacked	1
Total	138

Message rates last ten minutes ?



Publish	1.2/s	Consumer ack	0.00/s	Get (auto ack)	0.00/s
Deliver (manual ack)	0.00/s	Redelivered	0.00/s	Get (empty)	0.00/s
Deliver (auto ack)	0.00/s	Get (manual ack)	0.00/s		

Details

Features	durable: true	State	running		Total	Ready	Unacked	In memory	Persistent	Transient, Paged Out
	queue storage version: 1	Consumers	1	Messages ?	138	137	1	2	0	136
Policy		Consumer capacity ?	11%	Message body bytes ?	330 KiB	311 KiB	19 KiB	21 KiB	0 B	309 KiB
Operator policy				Process memory ?	87 KiB					
Effective policy definition										

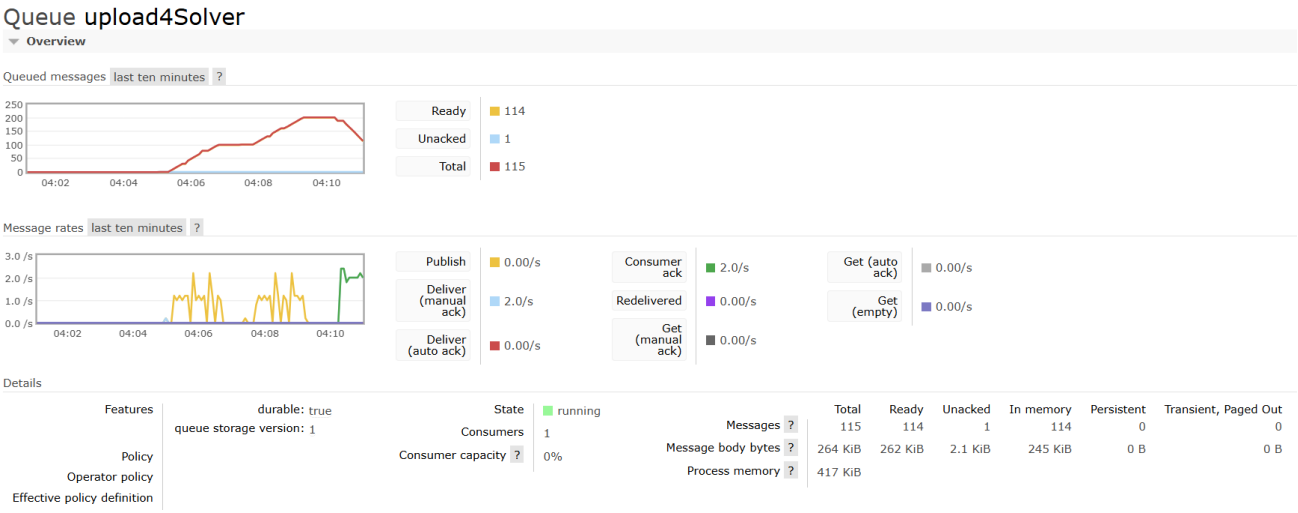
Μετά την φόρτωση όλων των requests, (1 μεγάλο – 100 μικρά - 1 μεγάλο – 100 μικρά) πριν ολοκληρωθεί το 1°:

Overview					Messages			Message rates		
Virtual host	**Name**	**Type**	Features	**State**	**Ready**	**Unacked**	**Total**	**incoming**	**deliver / get**	**ack**
/	**upload4Credits**	classic	D	running	0	0	0	0.00/s		
/	**upload4Solutions**	classic	D	running	0	0	0	0.00/s		
/	**upload4Solver**	classic	D	running	201	1	202	0.00/s	0.00/s	0.00/s
/	**upload4Submission**	classic	D	running	202	0	202	0.00/s		

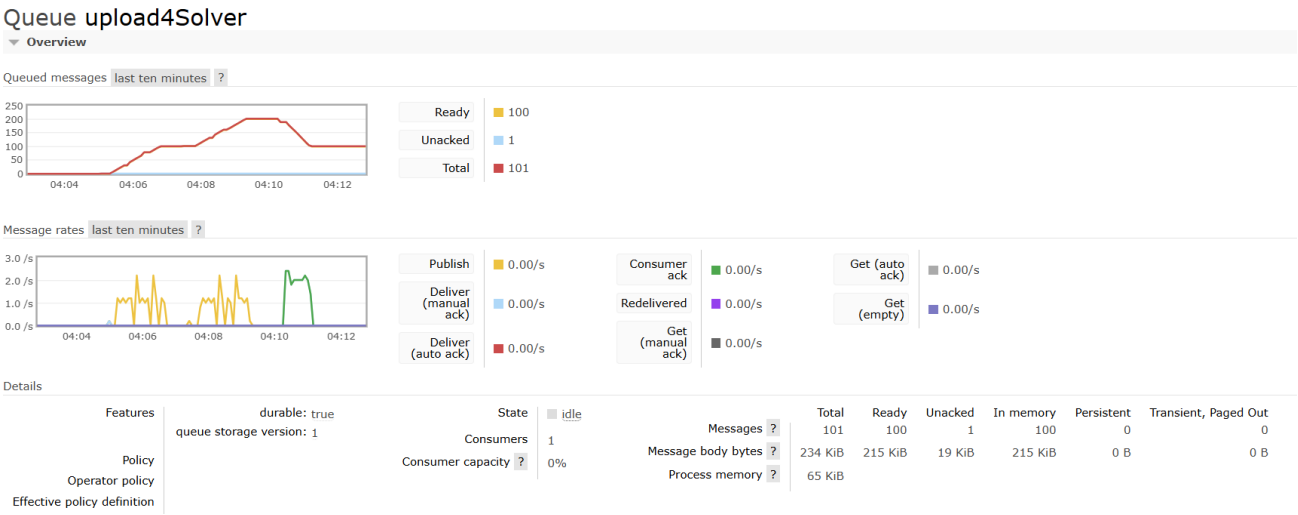
Μετά την ολοκλήρωση του 1° μεγάλου request αφού έχουν αρχίσει να «τρέχουν» και να ολοκληρώνονται και τα μικρά:

Overview					Messages			Message rates			+/-
Virtual host	**Name**	**Type**	Features	**State**	**Ready**	**Unacked**	**Total**	**incoming**	**deliver / get**	**ack**	
/	**upload4Credits**	classic	D	running	54	0	54	2.0/s			
/	**upload4Solutions**	classic	D	running	54	0	54	2.0/s			
/	**upload4Solver**	classic	D	running	147	1	148	0.00/s	2.0/s	2.0/s	
/	**upload4Submission**	classic	D	running	202	0	202	0.00/s			

Η ουρά σε αυτό το σημείο έχει την ακόλουθη μορφή:



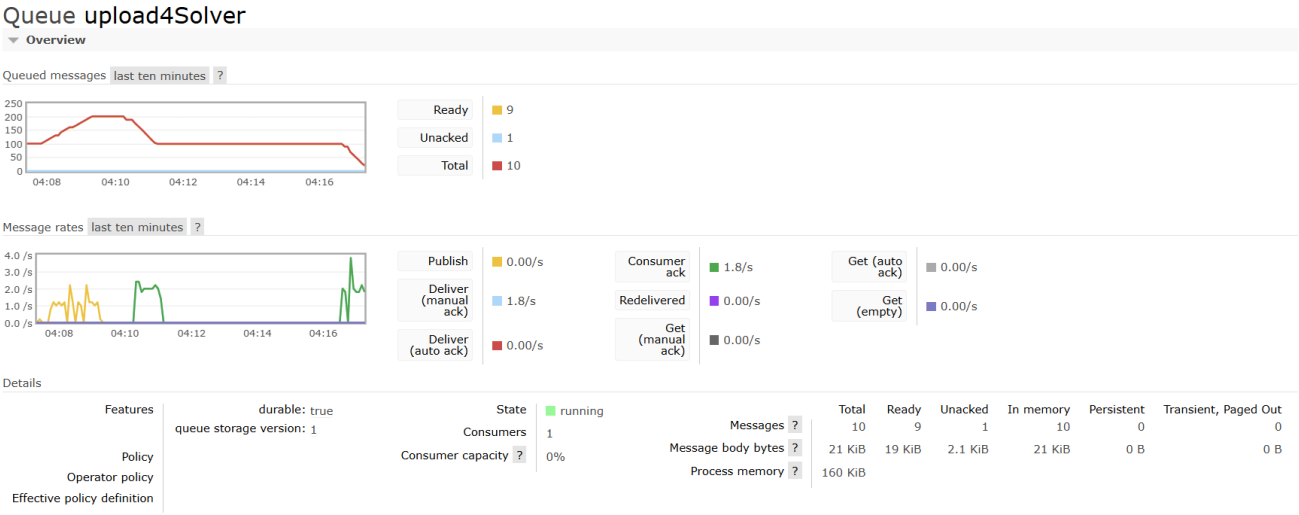
Η ουρά όταν «τρέχει» το 2° request με το file location200

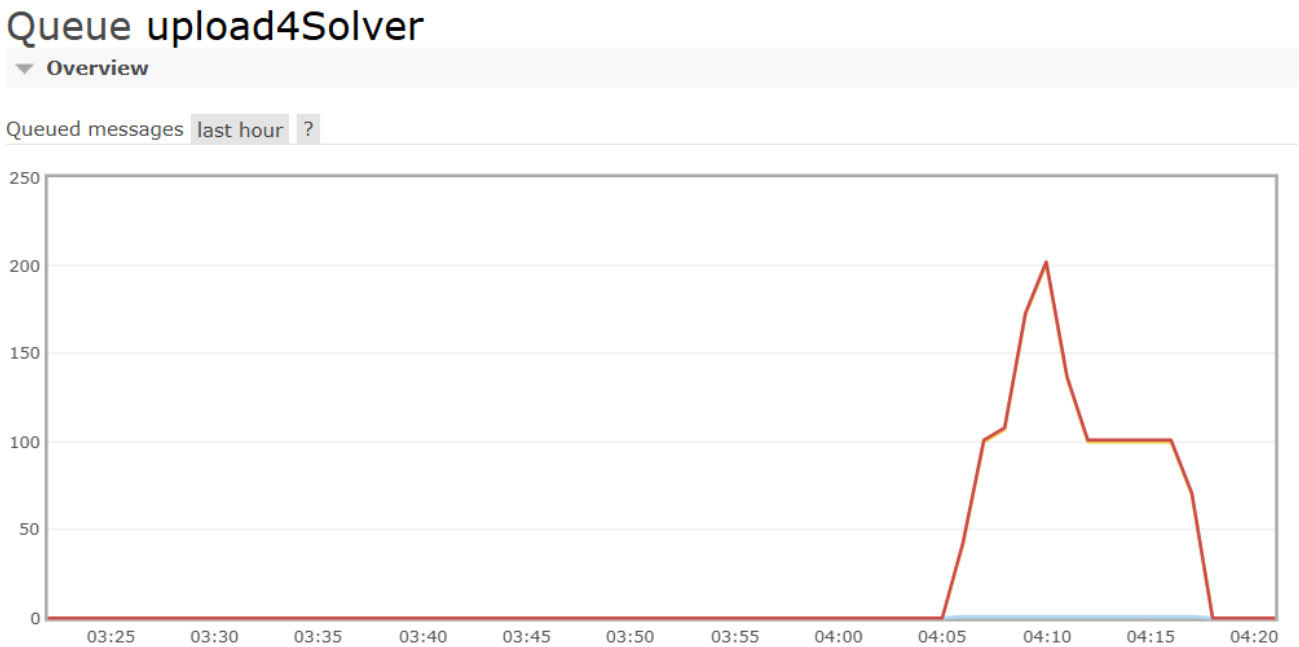


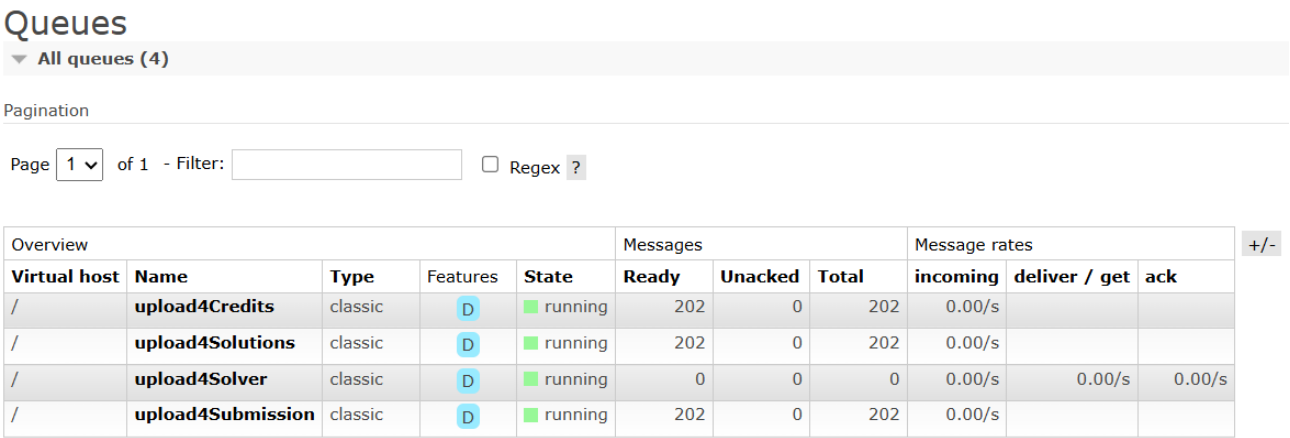
Καθώς «τρέχει» το 2° request με το file location200

Overview					Messages			Message rates			+/-
Virtual host	**Name**	**Type**	Features	**State**	**Ready**	**Unacked**	**Total**	**incoming**	**deliver / get**	**ack**	
/	**upload4Credits**	classic	D	running	101	0	101	0.00/s			
/	**upload4Solutions**	classic	D	running	101	0	101	0.00/s			
/	**upload4Solver**	classic	D	running	100	1	101	0.00/s	0.00/s	0.00/s	
/	**upload4Submission**	classic	D	running	202	0	202	0.00/s			

Μετά την ολοκλήρωση της διαδικασίας η εικόνα της ουράς είναι στις ακόλουθες φωτογραφίες:



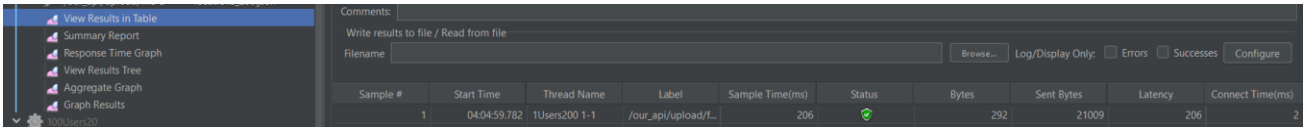




Overview					Messages			Message rates		
Virtual host	**Name**	**Type**	Features	**State**	**Ready**	**Unacked**	**Total**	**incoming**	**deliver / get**	**ack**
/	**upload4Credits**	classic	D	running	202	0	202	0.00/s		
/	**upload4Solutions**	classic	D	running	202	0	202	0.00/s		
/	**upload4Solver**	classic	D	running	0	0	0	0.00/s	0.00/s	0.00/s
/	**upload4Submission**	classic	D	running	202	0	202	0.00/s		

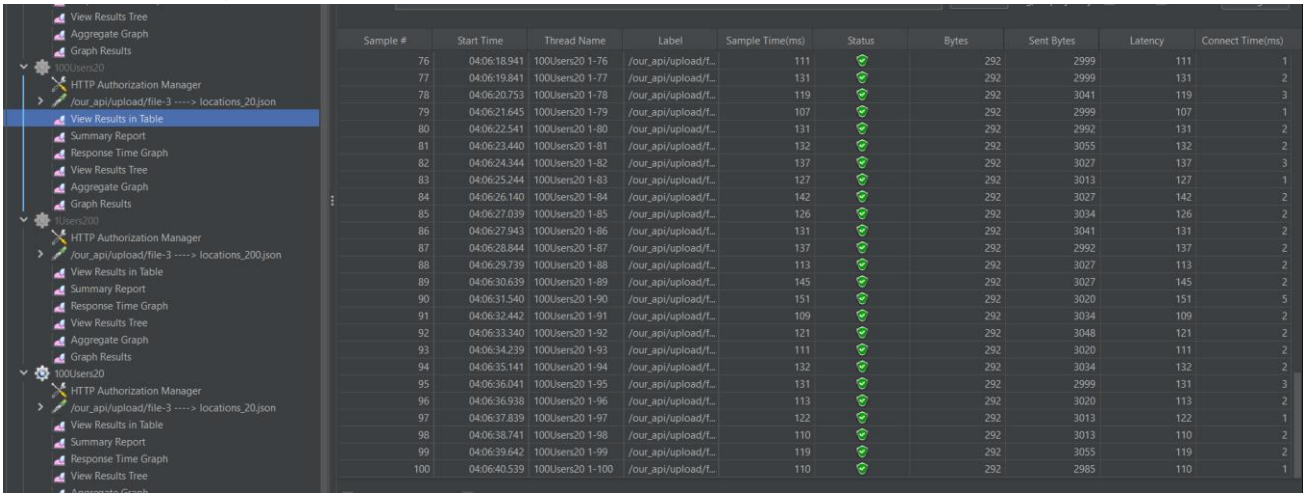
Στο Jmeter φαίνονται τα ακόλουθα:

- 1ο 200 request



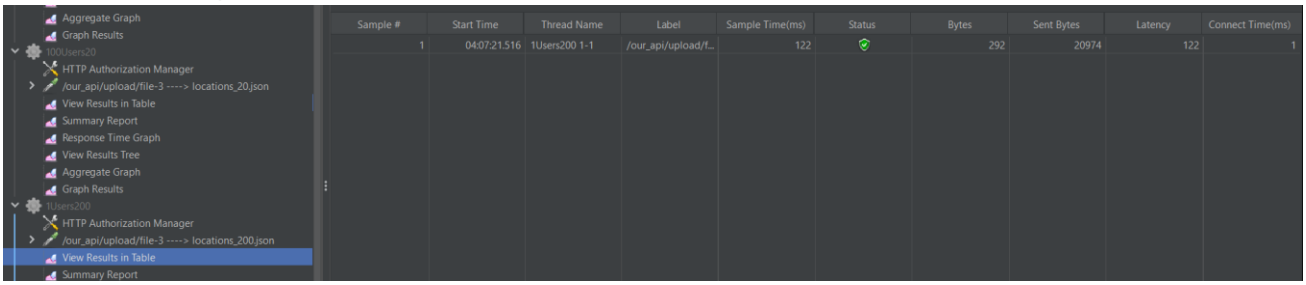
Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	04:04:59.782	1Users200 1-1	/our_api/upload/f...	206		292	21009	206	2

- 100 20 request



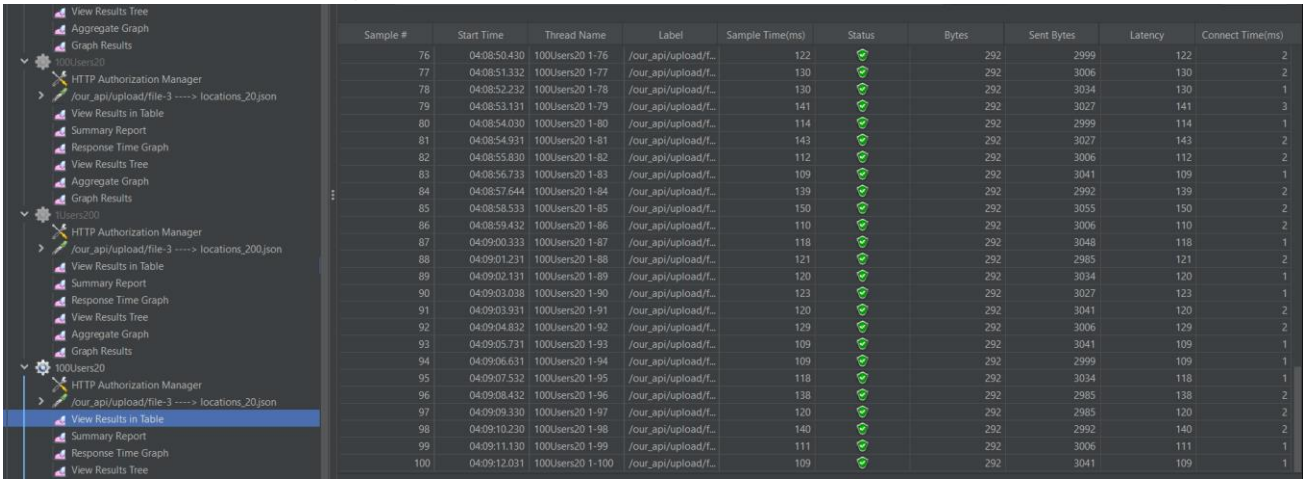
Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
76	04:06:18.941	100Users20 1-76	/our_api/upload/f...	111		292	2999	111	1
77	04:06:19.841	100Users20 1-77	/our_api/upload/f...	131		292	2999	131	2
78	04:06:20.753	100Users20 1-78	/our_api/upload/f...	119		292	3041	119	3
79	04:06:21.645	100Users20 1-79	/our_api/upload/f...	107		292	2999	107	1
80	04:06:22.541	100Users20 1-80	/our_api/upload/f...	131		292	2992	131	2
81	04:06:23.440	100Users20 1-81	/our_api/upload/f...	132		292	3055	132	2
82	04:06:24.344	100Users20 1-82	/our_api/upload/f...	137		292	3027	137	3
83	04:06:25.244	100Users20 1-83	/our_api/upload/f...	127		292	3013	127	1
84	04:06:26.140	100Users20 1-84	/our_api/upload/f...	142		292	3027	142	2
85	04:06:27.039	100Users20 1-85	/our_api/upload/f...	126		292	3034	126	2
86	04:06:27.943	100Users20 1-86	/our_api/upload/f...	131		292	3041	131	2
87	04:06:28.844	100Users20 1-87	/our_api/upload/f...	137		292	2992	137	2
88	04:06:29.739	100Users20 1-88	/our_api/upload/f...	113		292	3027	113	2
89	04:06:30.639	100Users20 1-89	/our_api/upload/f...	145		292	3027	145	2
90	04:06:31.540	100Users20 1-90	/our_api/upload/f...	151		292	3020	151	5
91	04:06:32.442	100Users20 1-91	/our_api/upload/f...	109		292	3034	109	2
92	04:06:33.340	100Users20 1-92	/our_api/upload/f...	121		292	3048	121	2
93	04:06:34.239	100Users20 1-93	/our_api/upload/f...	111		292	3020	111	2
94	04:06:35.141	100Users20 1-94	/our_api/upload/f...	132		292	3034	132	2
95	04:06:36.041	100Users20 1-95	/our_api/upload/f...	131		292	2999	131	3
96	04:06:36.938	100Users20 1-96	/our_api/upload/f...	113		292	3020	113	2
97	04:06:37.839	100Users20 1-97	/our_api/upload/f...	122		292	3013	122	1
98	04:06:38.741	100Users20 1-98	/our_api/upload/f...	110		292	3013	110	2
99	04:06:39.642	100Users20 1-99	/our_api/upload/f...	119		292	3055	119	2
100	04:06:40.539	100Users20 1-100	/our_api/upload/f...	110		292	2985	110	1

- 2ο 200 request



Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	04:07:21.516	1Users200 1-1	/our_api/upload/f...	122		292	20974	122	1

- Τελευταία 100 20 request



Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
76	04:08:50.430	100Users20 1-76	/our_api/upload/f...	122		292	2999	122	2
77	04:08:51.332	100Users20 1-77	/our_api/upload/f...	130		292	3006	130	2
78	04:08:52.232	100Users20 1-78	/our_api/upload/f...	130		292	3034	130	1
79	04:08:53.131	100Users20 1-79	/our_api/upload/f...	141		292	3027	141	3
80	04:08:54.030	100Users20 1-80	/our_api/upload/f...	114		292	2999	114	1
81	04:08:54.931	100Users20 1-81	/our_api/upload/f...	143		292	3027	143	2
82	04:08:55.830	100Users20 1-82	/our_api/upload/f...	112		292	3006	112	2
83	04:08:56.733	100Users20 1-83	/our_api/upload/f...	109		292	3041	109	1
84	04:08:57.644	100Users20 1-84	/our_api/upload/f...	139		292	2992	139	2
85	04:08:58.533	100Users20 1-85	/our_api/upload/f...	150		292	3055	150	2
86	04:08:59.432	100Users20 1-86	/our_api/upload/f...	110		292	3006	110	2
87	04:09:00.333	100Users20 1-87	/our_api/upload/f...	118		292	3048	118	1
88	04:09:01.231	100Users20 1-88	/our_api/upload/f...	121		292	2985	121	2
89	04:09:02.131	100Users20 1-89	/our_api/upload/f...	120		292	3034	120	1
90	04:09:03.038	100Users20 1-90	/our_api/upload/f...	123		292	3027	123	1
91	04:09:03.931	100Users20 1-91	/our_api/upload/f...	120		292	3041	120	2
92	04:09:04.832	100Users20 1-92	/our_api/upload/f...	129		292	3006	129	2
93	04:09:05.731	100Users20 1-93	/our_api/upload/f...	109		292	3041	109	1
94	04:09:06.631	100Users20 1-94	/our_api/upload/f...	109		292	2999	109	1
95	04:09:07.532	100Users20 1-95	/our_api/upload/f...	118		292	3034	118	1
96	04:09:08.432	100Users20 1-96	/our_api/upload/f...	138		292	2985	138	2
97	04:09:09.330	100Users20 1-97	/our_api/upload/f...	120		292	2985	120	2
98	04:09:10.230	100Users20 1-98	/our_api/upload/f...	140		292	2992	140	2
99	04:09:11.130	100Users20 1-99	/our_api/upload/f...	111		292	3006	111	1
100	04:09:12.031	100Users20 1-100	/our_api/upload/f...	109		292	3041	109	1