

SPECjEnterprise2010

Run Info

name	passed	EjOPS	duration	cpu	gc reasons	pause seconds
jboss-eap-7.4.0.GA-CR1_2010_531_2000	false	3152.223	00:16:02	35.792	Allocation Failure 520	7.608
jboss-eap-7.4.0.GA-CR2_2010_532_2000	false	3135.273	00:16:06	35.458	Allocation Failure 521	7.802
jboss-eap-7.4.0.GA-CR3_2010_530_2000	false	3167.905	00:16:07	35.109	Allocation Failure 522	7.734

server cpu



MfgDriver

runId	passed	Mfg EJOPS	Work Orders
jboss-eap-7.4.0.GA-CR1_2010_531_2000	false	1140.208	684125
jboss-eap-7.4.0.GA-CR2_2010_532_2000	false	1121.347	672808
jboss-eap-7.4.0.GA-CR3_2010_530_2000	false	1149.46	689676

mix

	CreateVehicleEJB			CreateVehicleWS		
	success	failure	passed	success	failure	passed
jboss-eap-7.4.0.GA-CR1_2010_531_2000	341630	13	true	342495	29	true
jboss-eap-7.4.0.GA-CR2_2010_532_2000	336308 -1.570%	16	true	336500 -1.766%	11	true
jboss-eap-7.4.0.GA-CR3_2010_530_2000	344567 0.856%	17	true	345109 0.760%	18	true

response times

	CreateVehicleEJB					CreateVehicleWS				
	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max
jboss-eap-7.4.0.GA-CR1_2010_531_2000	0.004	0.017	0.025	0.05	0.097	1.605	0.946	2.825	6.625	16.035
jboss-eap-7.4.0.GA-CR2_2010_532_2000	0.004 0.000%	0.017 0.000%	0.025 0.000%	0.05 0.000%	0.104 6.965%	2.016 22.701%	1.303 31.747%	4.725 50.331%	9.25 33.071%	18.419 13.839%
jboss-eap-7.4.0.GA-CR3_2010_530_2000	0.004 0.000%	0.017 0.000%	0.025 0.000%	0.05 0.000%	0.136 33.476%	1.415 -12.583%	0.794 -17.471%	1.525 -59.770%	6.55 -1.139%	12.41 -25.488%

cycle times

	CreateVehicleEJB				CreateVehicleWS			
	target	avg	min	max	target	avg	min	max
jboss-eap-7.4.0.GA-CR1_2010_531_2000	4.936	5.033	0.058	25.054	4.925	5.395	0.18	25.032
jboss-eap-7.4.0.GA-CR2_2010_532_2000	4.933	5.029	0.076	25.046	4.923	5.578	0.483	25.038
jboss-eap-7.4.0.GA-CR3_2010_530_2000	4.93	5.026	0.044	25.046	4.937	5.332	0.076	25.039

DealerDriver

runId	passed	Dealer EJOPS	Purchase/Manage/Browse Transactions
jboss-eap-7.4.0.GA-CR1_2010_531_2000	true	2012.015	1207209
jboss-eap-7.4.0.GA-CR2_2010_532_2000	true	2013.927	1208356
jboss-eap-7.4.0.GA-CR3_2010_530_2000	true	2018.445	1211067

mix

	Purchase			Manage			Browse		
	success	failure	passed	success	failure	passed	success	failure	passed
jboss-eap-7.4.0.GA-CR1_2010_531_2000	301693	0	true	301664	0	true	603852	0	true
jboss-eap-7.4.0.GA-CR2_2010_532_2000	302411 0.238%	0	true	301609 -0.018%	0	true	604336 0.080%	0	true
jboss-eap-7.4.0.GA-CR3_2010_530_2000	303329 0.541%	0	true	302496 0.275%	0	true	605242 0.230%	0	true

response times

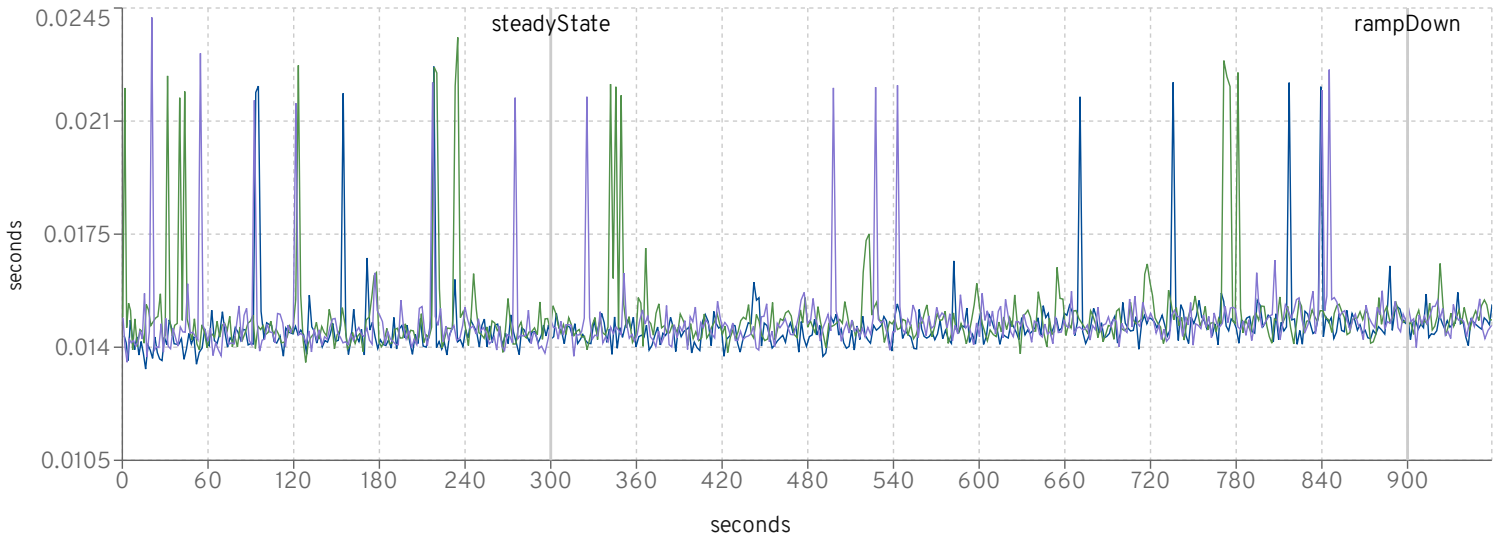
	Purchase					Manage					Browse				
	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max
jboss-eap-7.4.0.GA-CR1_2010_531_2000	0.00 3	0.00 6	0.01	0.03	0.074	0.01 6	0.02	0.05	0.09	0.25 5	0.003 9	0.00	0.02	0.03	0.115
jboss-eap-7.4.0.GA-CR2_2010_532_2000	0.00 3 0.000 %	0.00 6 0.000 %	0.01 0.000 %	0.02 -40.000 %	0.117 45.026 %	0.01 6 0.000 %	0.02 0.000 %	0.04 -22.222 %	0.09 0.000 %	0.27 8 8.630 %	0.003 8 -11.765 %	0.00	0.01 -66.667 %	0.03 0.000 %	0.10 6 -8.14 5%
jboss-eap-7.4.0.GA-CR3_2010_530_2000	0.00 3 0.000 %	0.00 6 0.000 %	0.01 0.000 %	0.02 -40.000 %	0.103 32.768 %	0.01 6 0.000 %	0.02 0.000 %	0.04 -22.222 %	0.09 0.000 %	0.31 19.469 %	0.002 8 -40.000 %	0.00	0.01 -66.667 %	0.03 0.000 %	0.114 -0.87 3%

cycle times

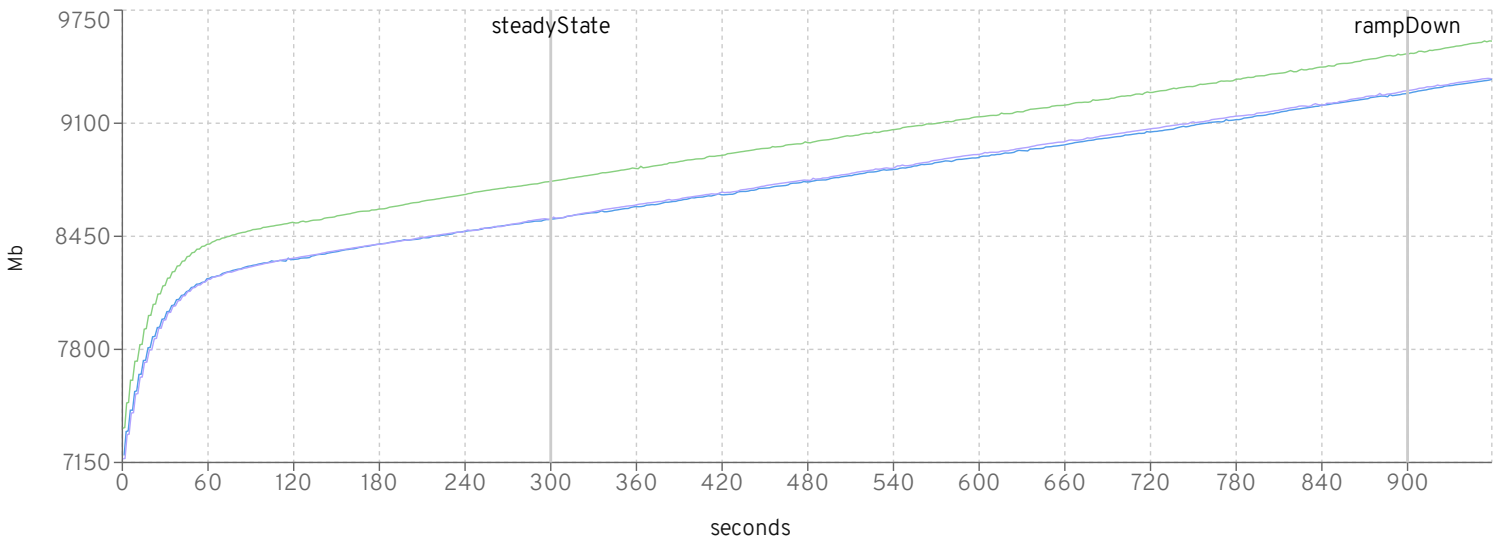
	Purchase				Manage				Browse			
	target	avg	min	max	target	avg	min	max	target	avg	min	max
jboss-eap-7.4.0.GA-CR1_2010_531_2000	9.749	9.748	0.003	50.019	9.794	9.793	0.006	50.002	9.792	9.791	0.007	50.045
jboss-eap-7.4.0.GA-CR2_2010_532_2000	9.758	9.757	0.003	50.015	9.791	9.79	0.006	50.006	9.772	9.771	0.007	50.021
jboss-eap-7.4.0.GA-CR3_2010_530_2000	9.73	9.729	0.003	50.012	9.753	9.752	0.006	50.023	9.767	9.766	0.007	50.015

gc

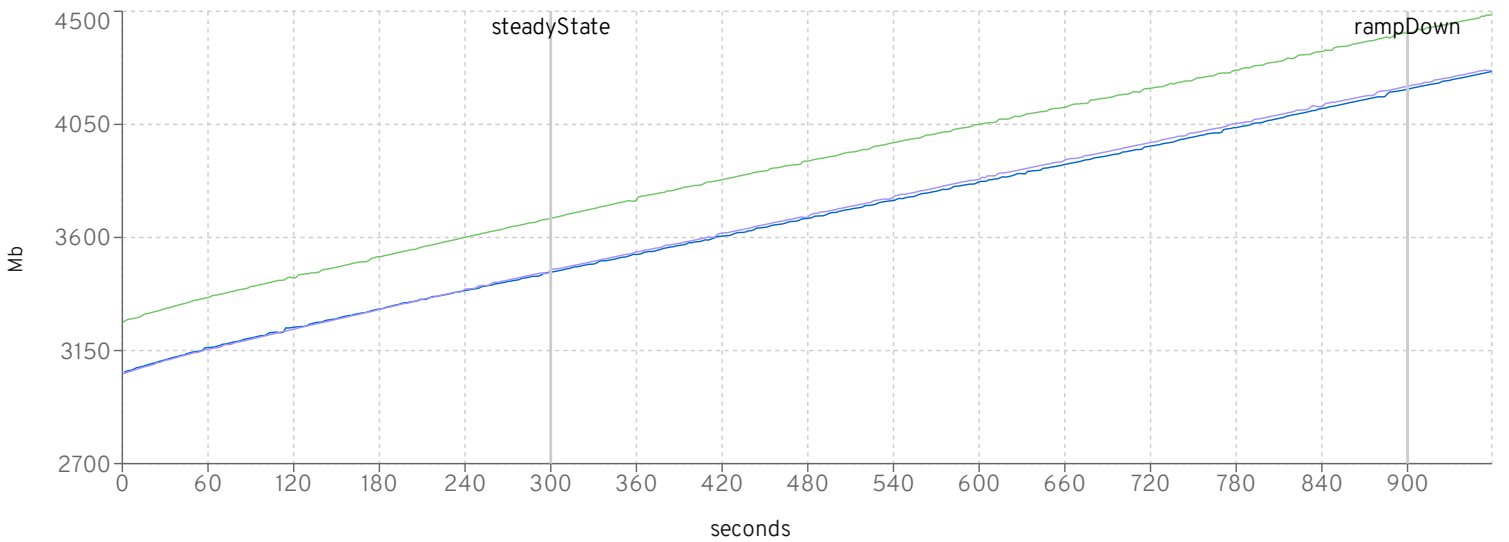
GC duration



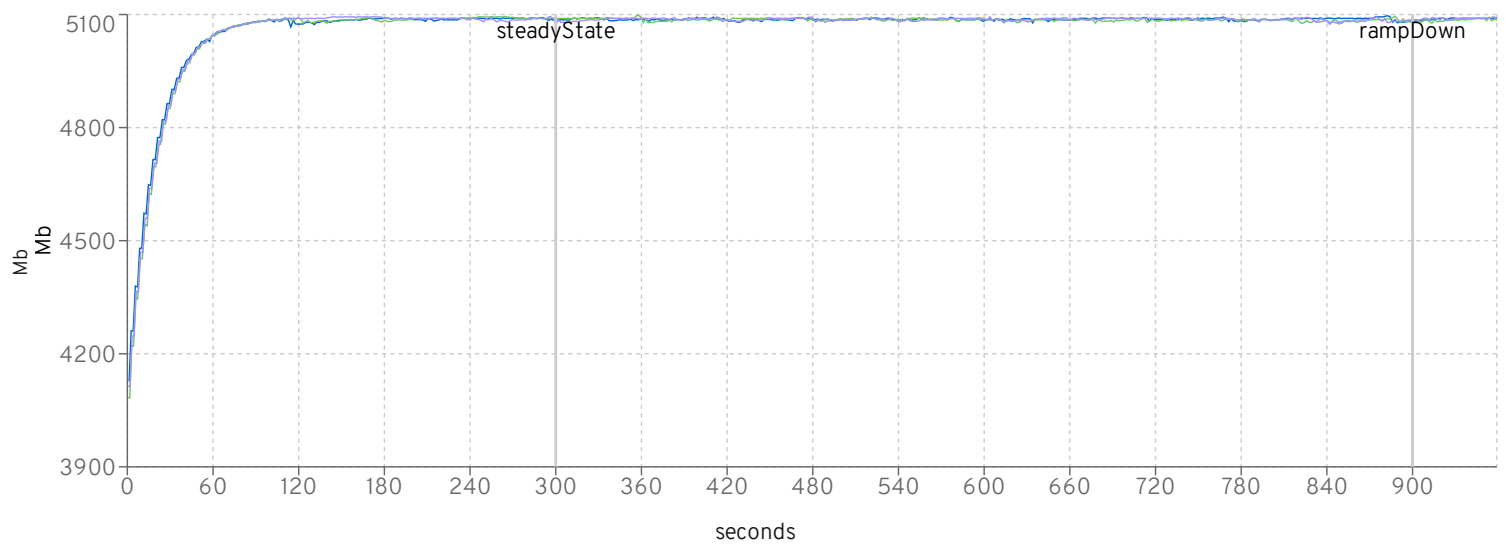
Heap before GC



Heap after GC

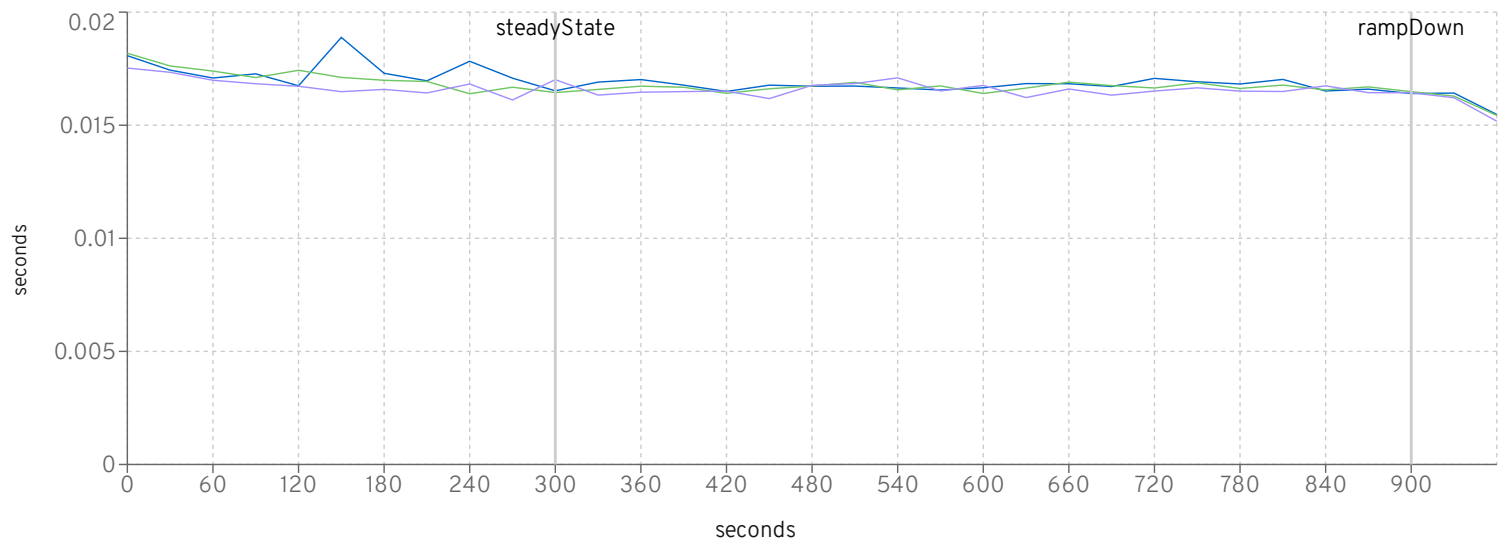


Heap freed in GC

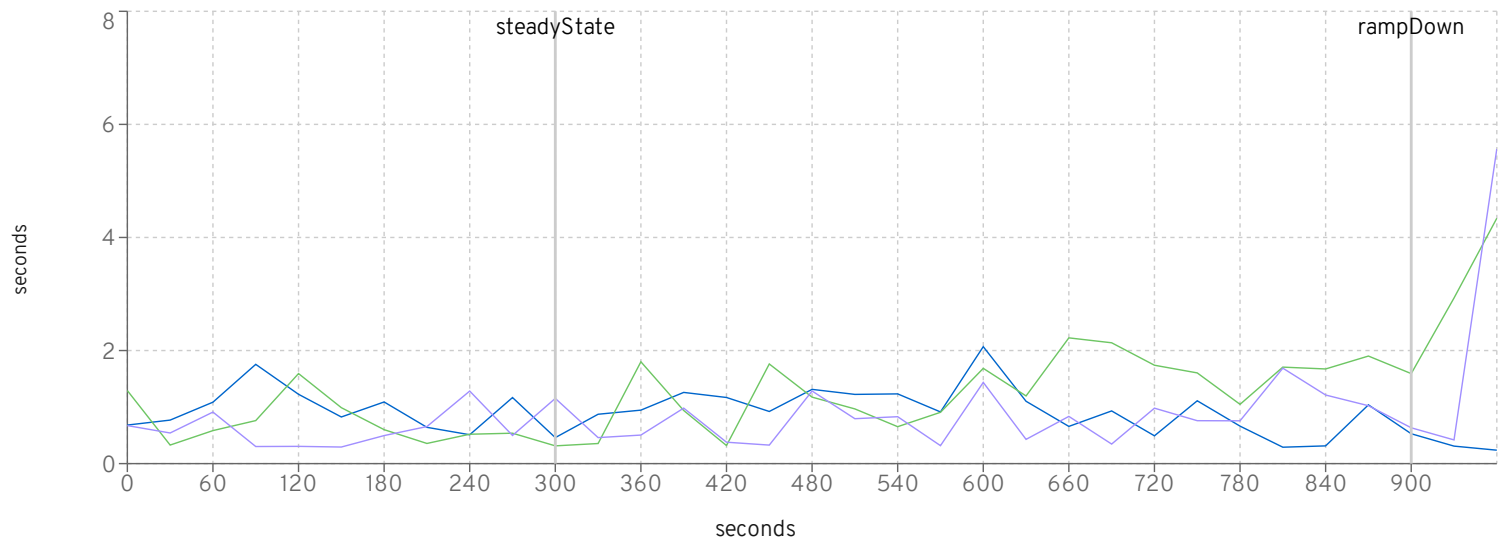


MfgDriver Response Times (seconds)

CreateVehicleEJB

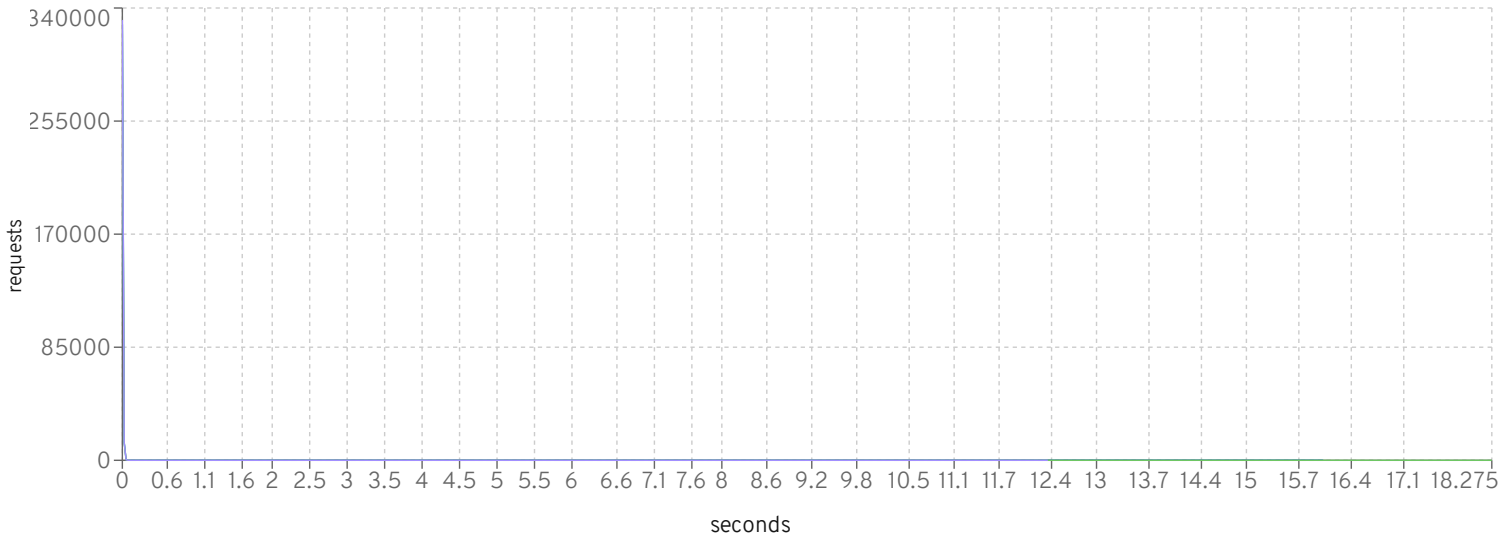


CreateVehicleWS



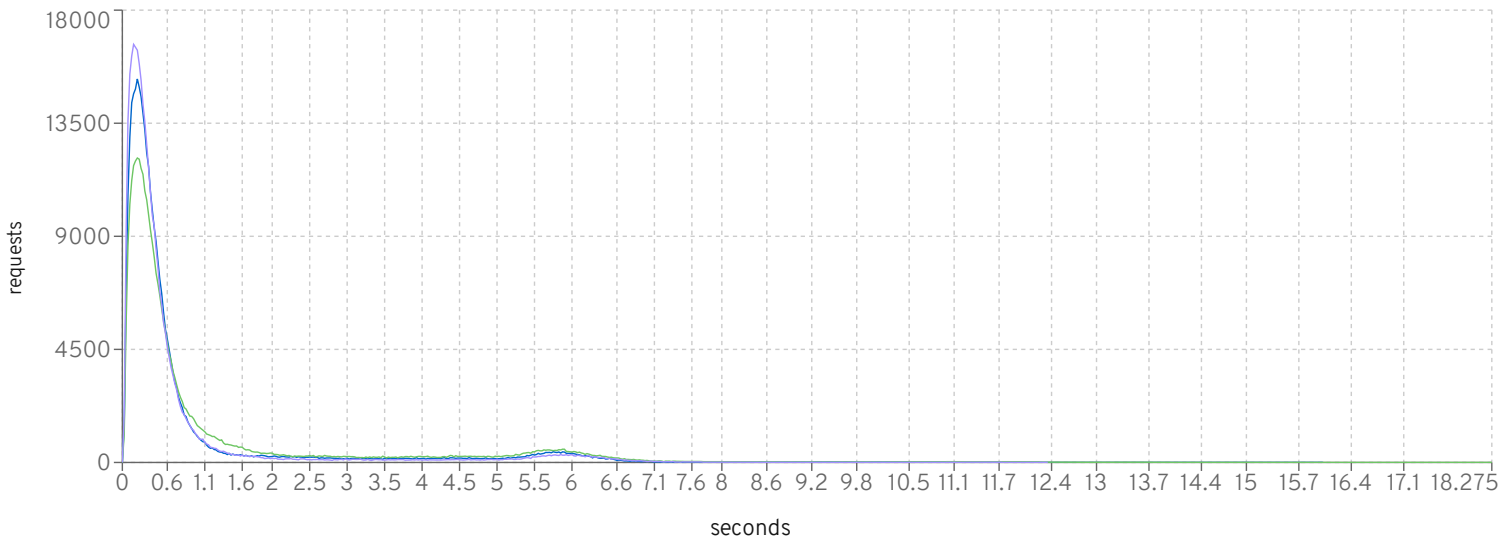
MfgDriver Response Times Distribution

CreateVehicleEJB



■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

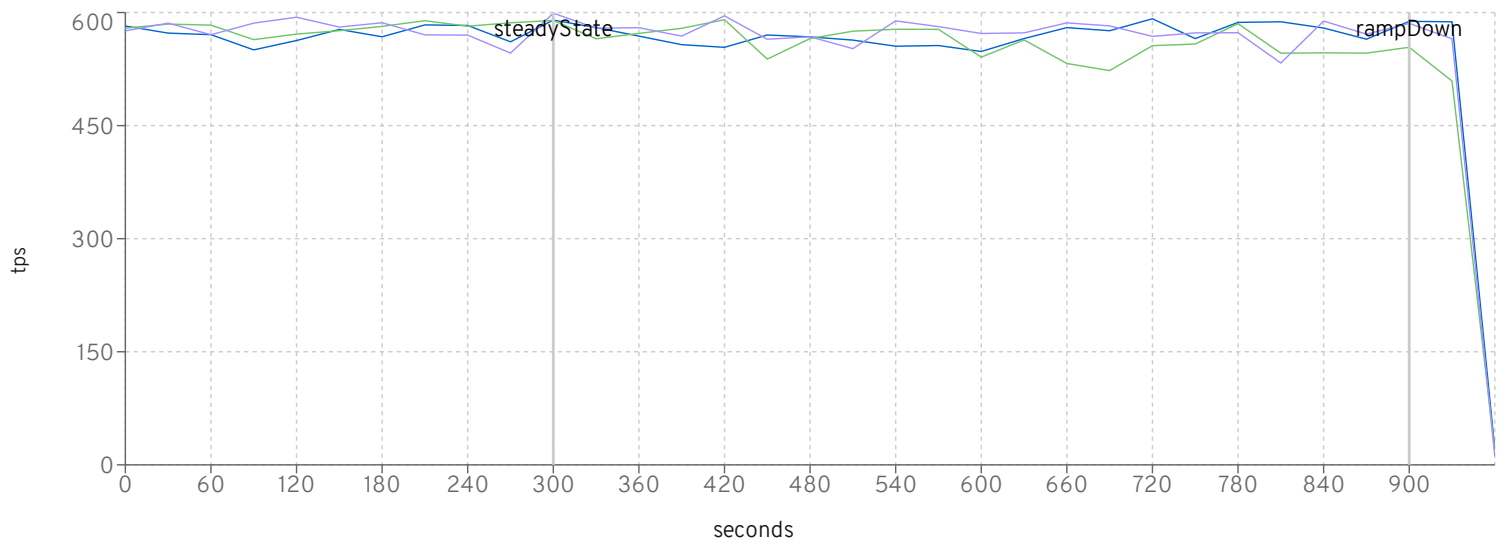
CreateVehicleWS



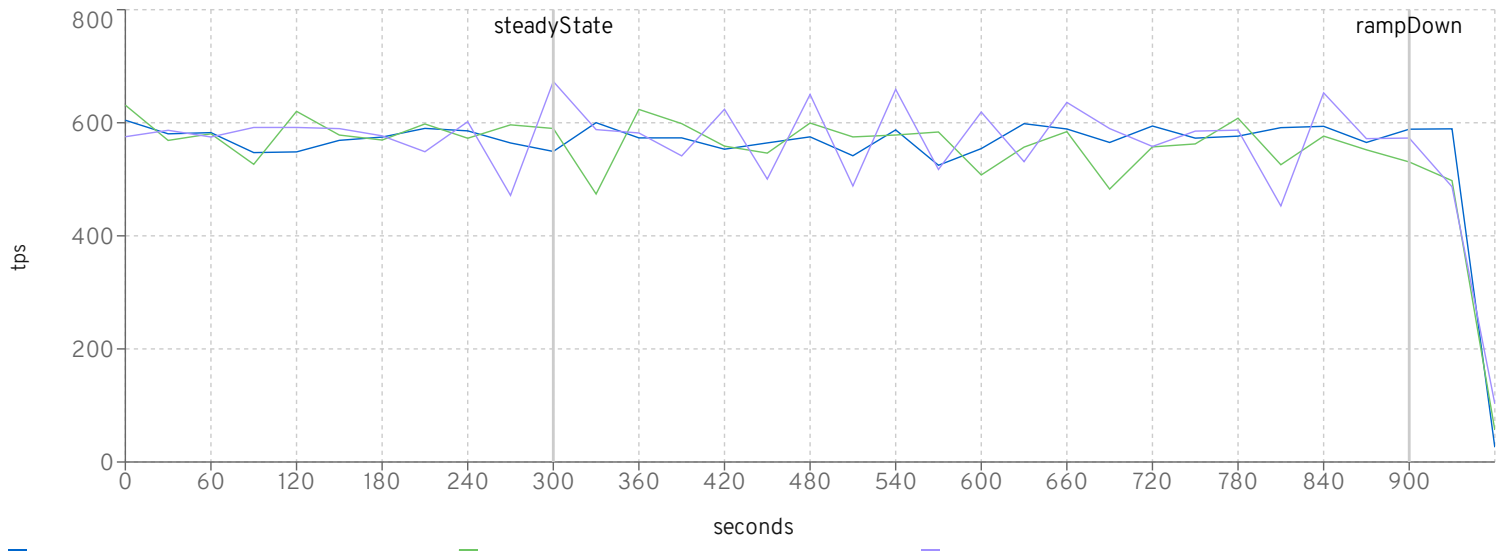
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

MfgDriver Throughput

CreateVehicleEJB

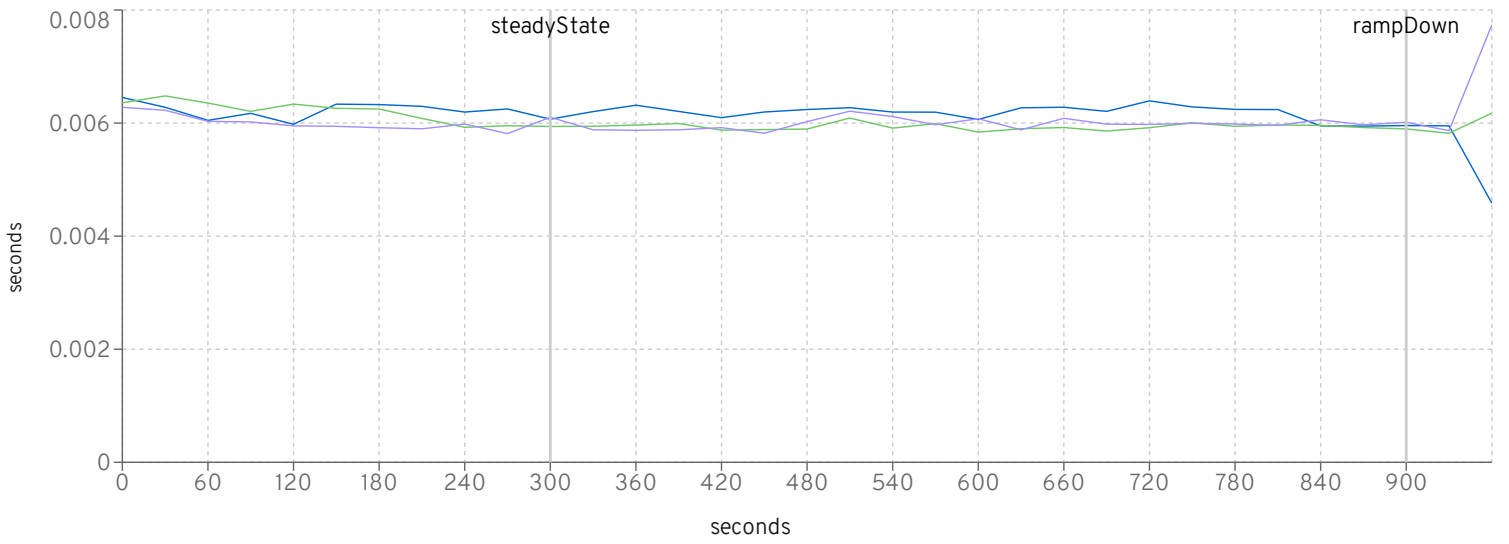


CreateVehicleWS

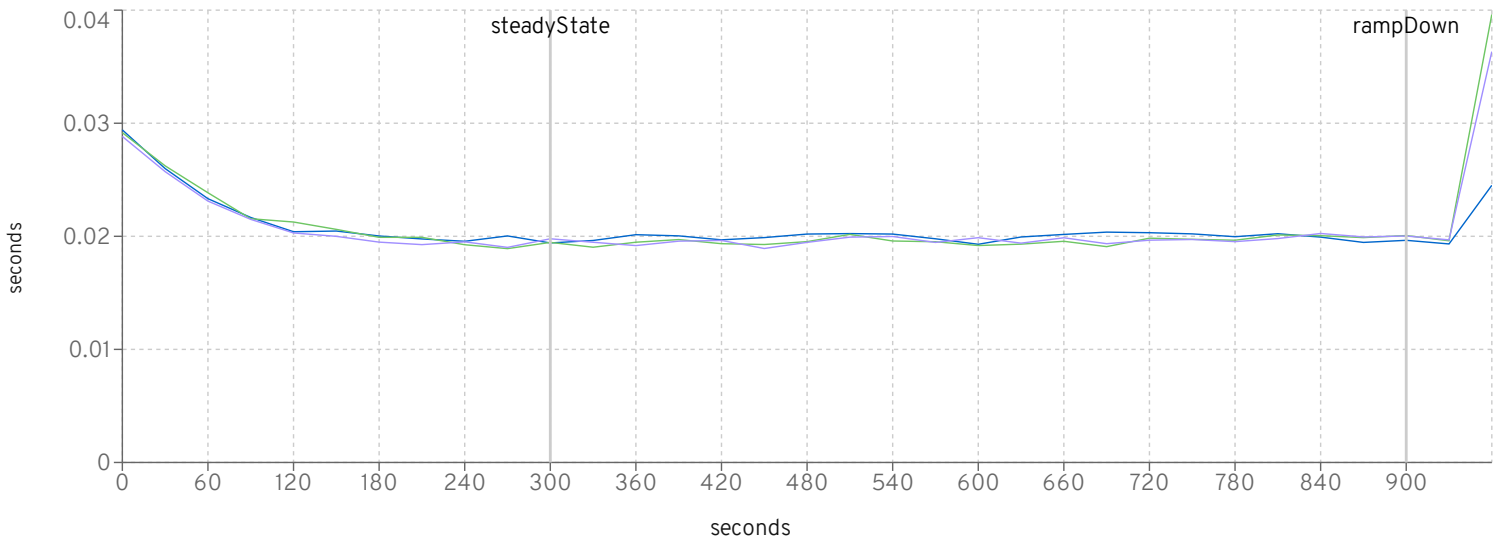


DealerDriver Response Times (seconds)

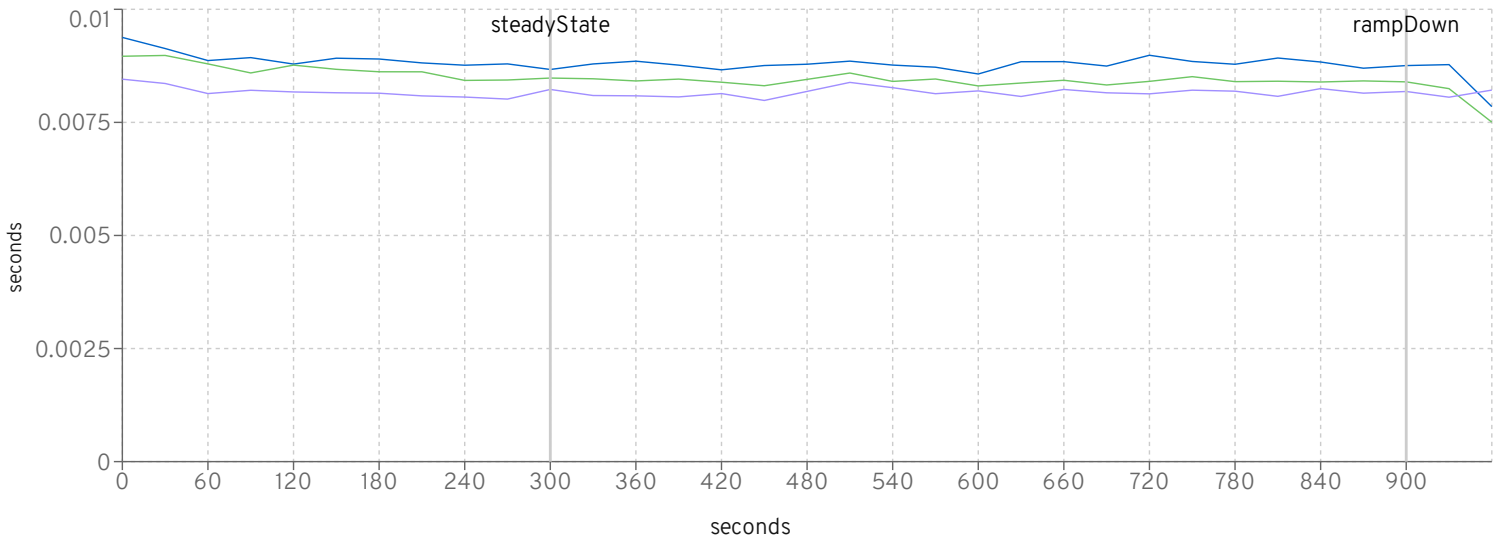
Purchase



Manage

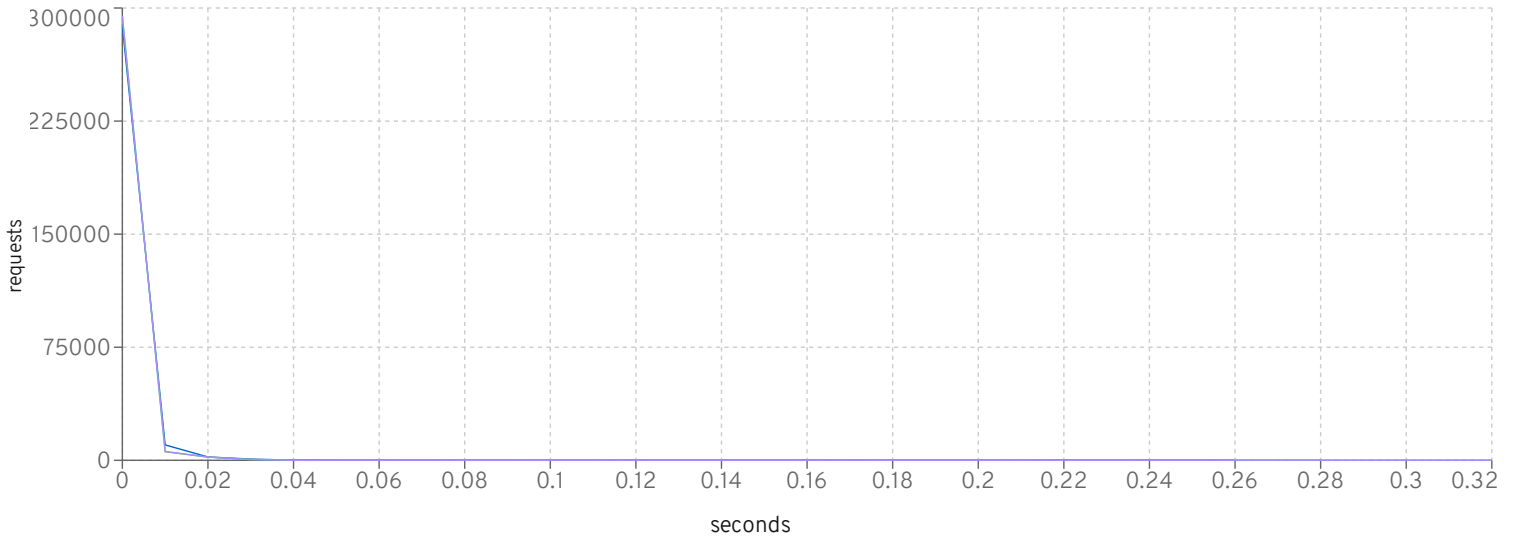


Browse



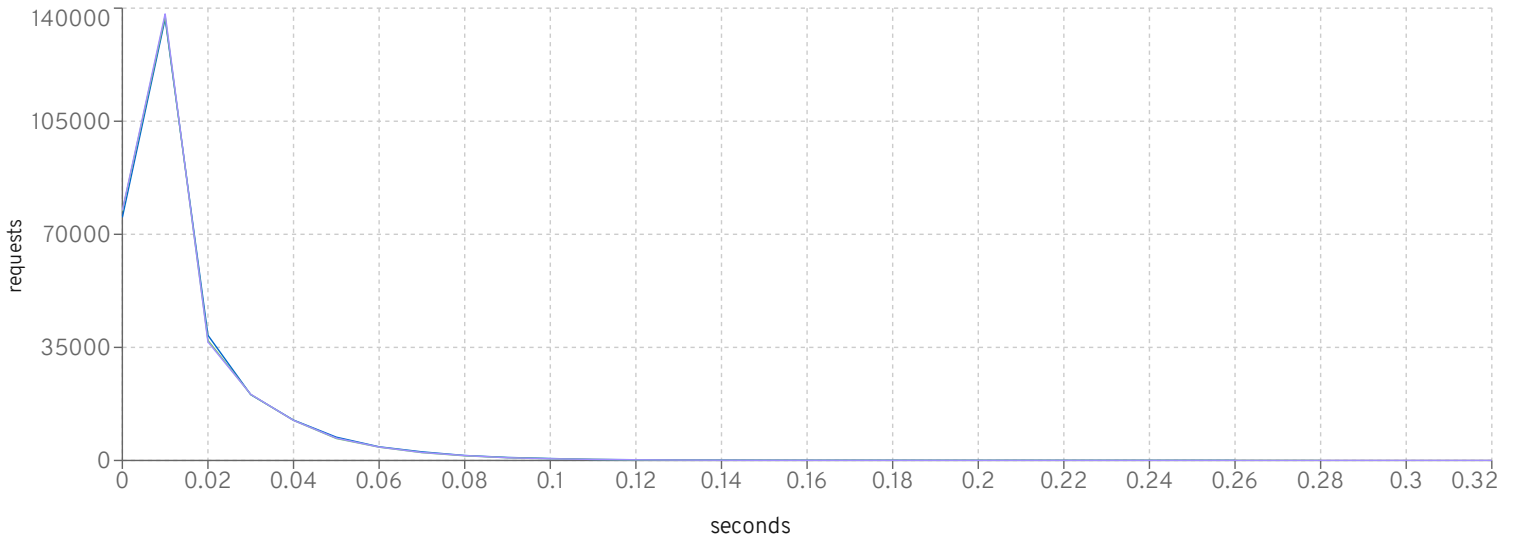
DealerDriver Response Times Distribution

Purchase



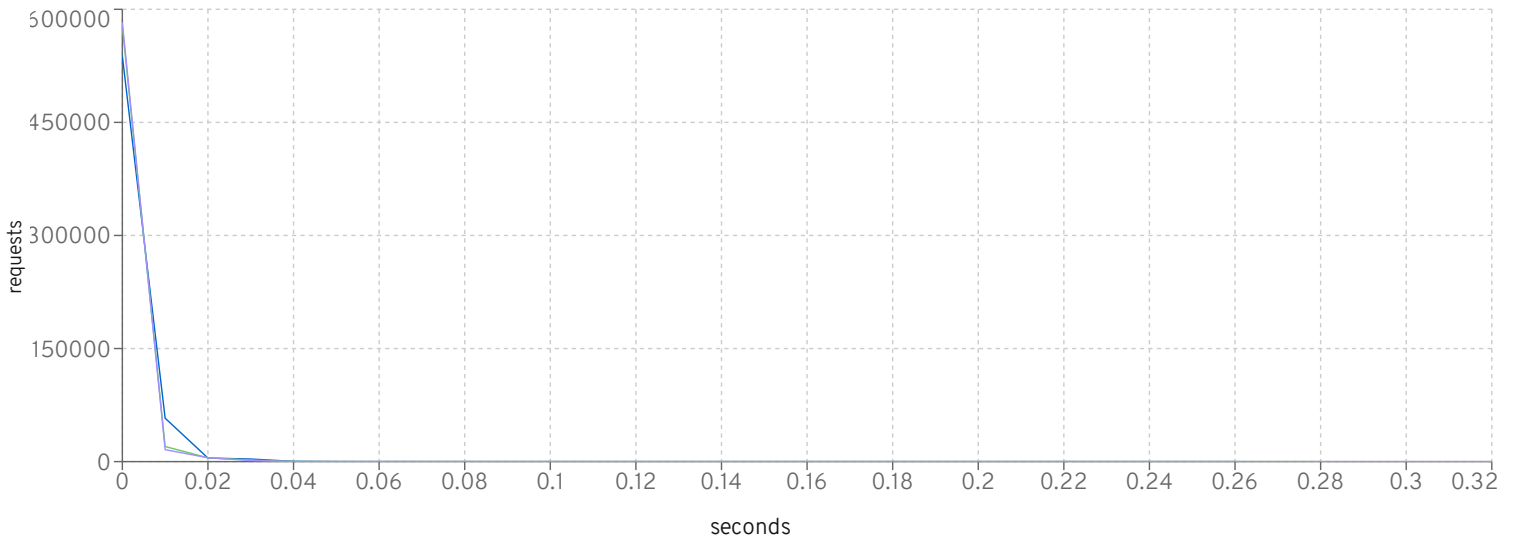
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

Manage



■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

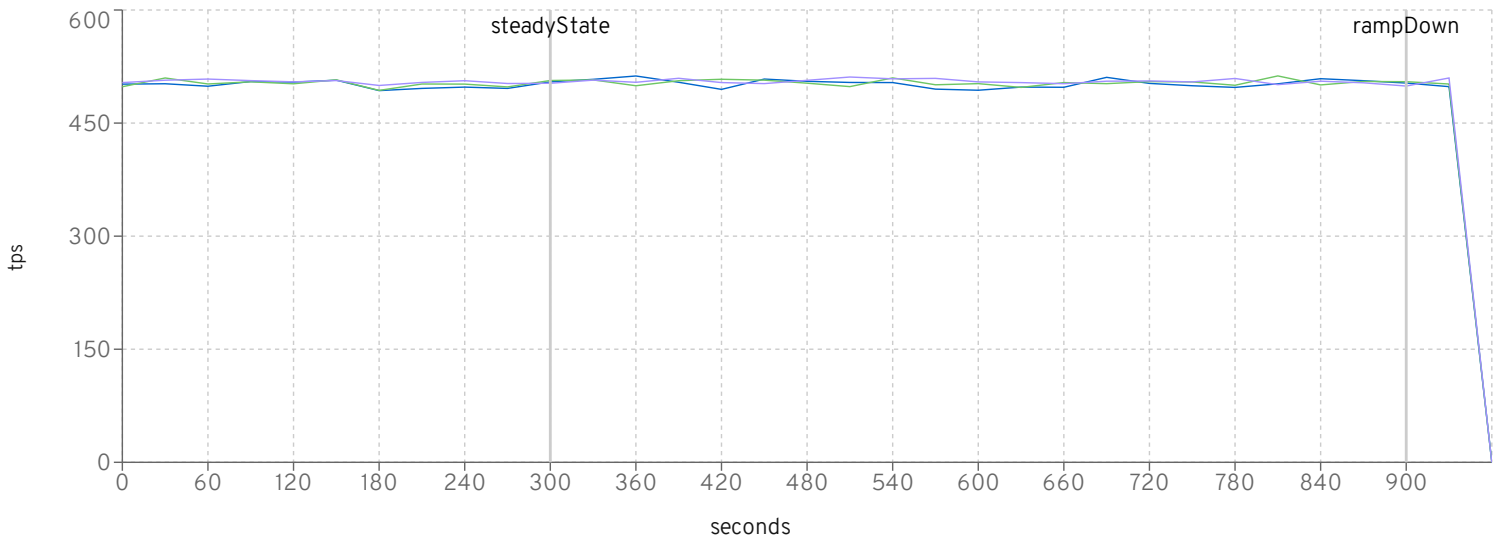
Browse



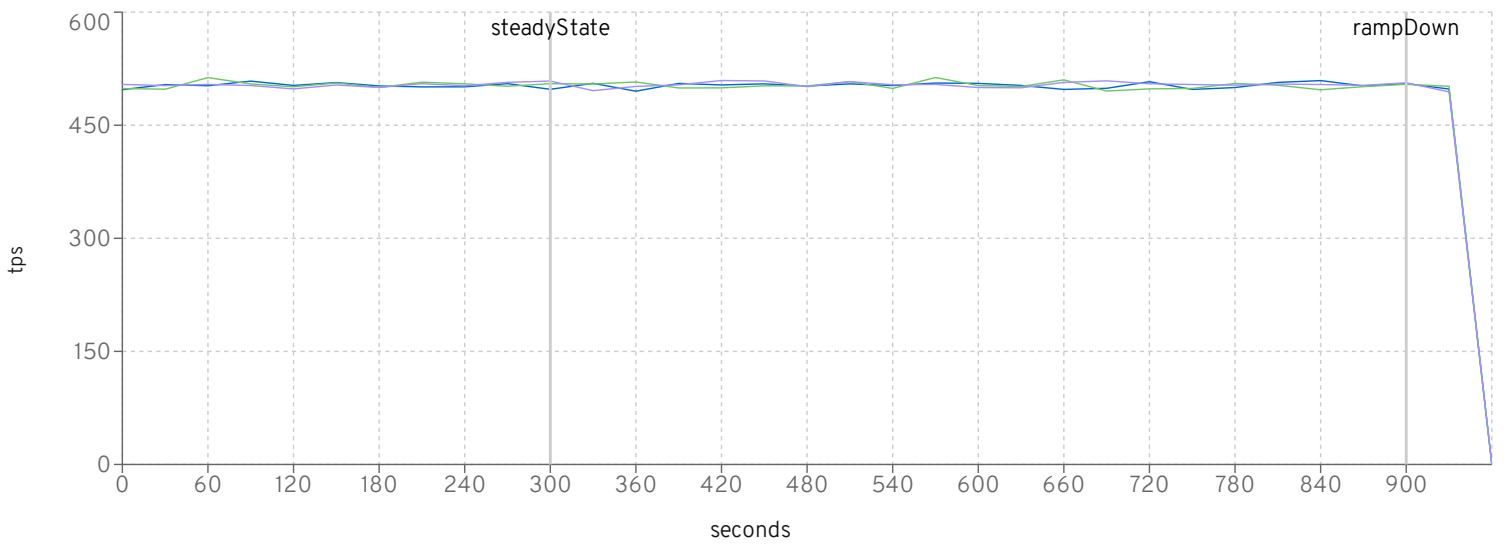
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

DealerDriver Throughput

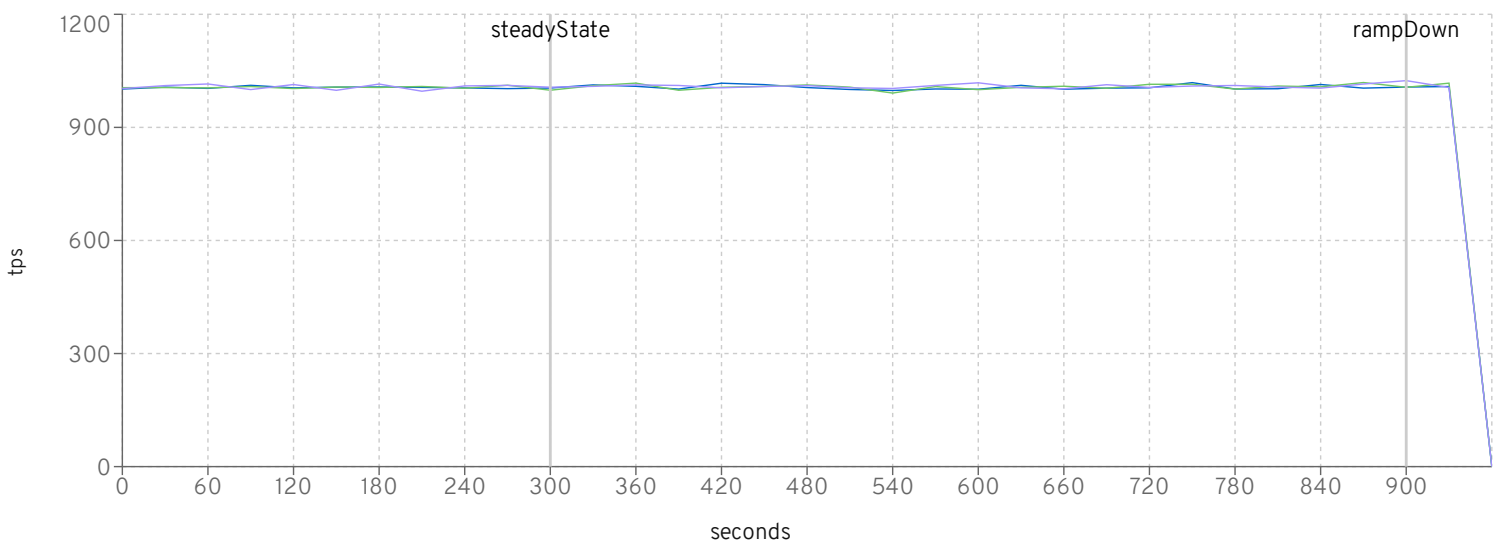
Purchase



Manage



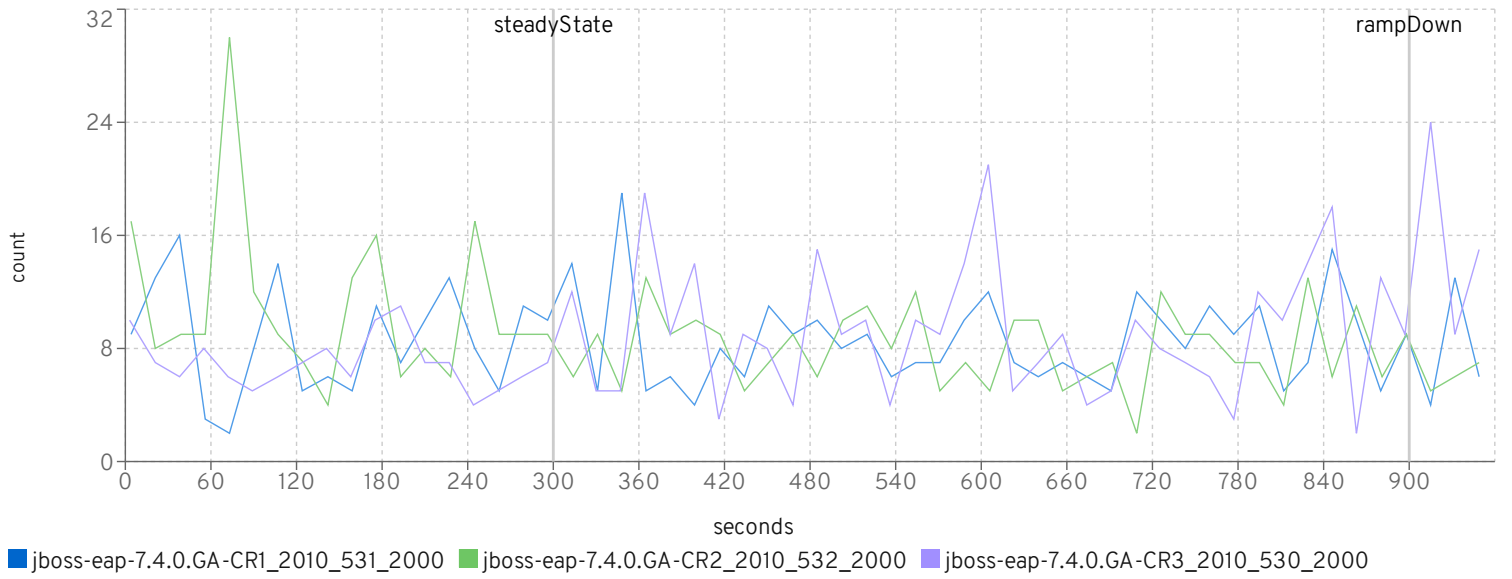
Browse



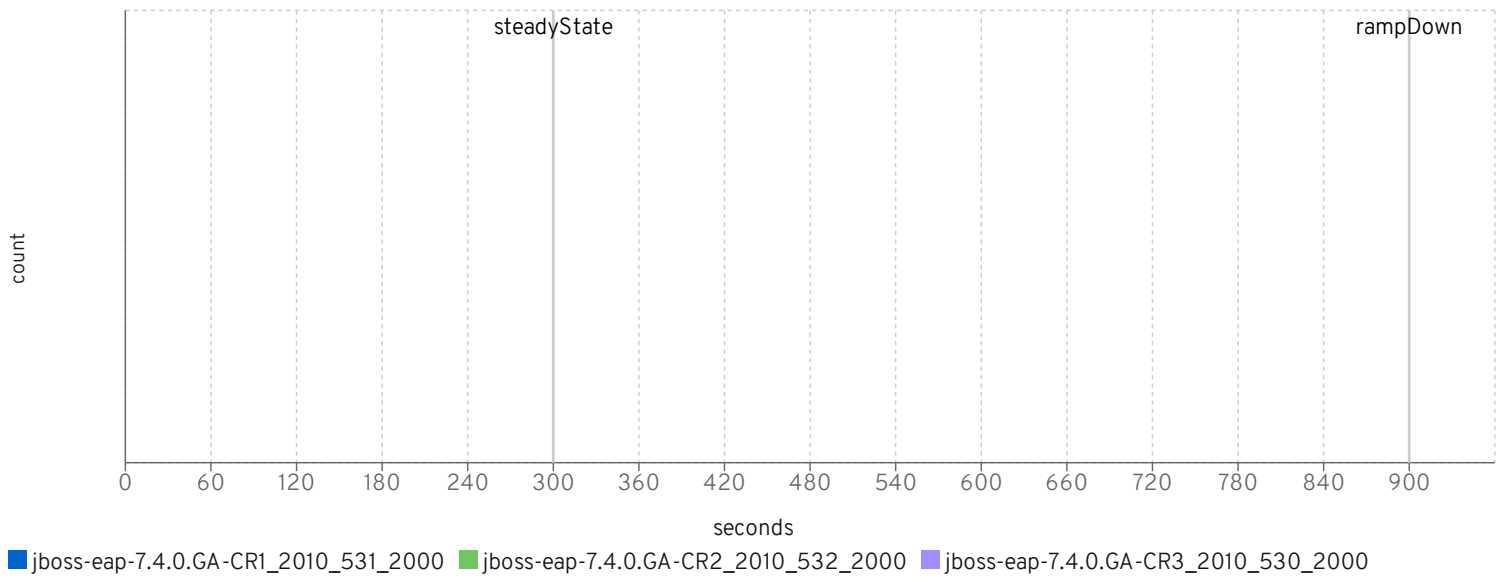
setting	531	532	530
scale	2000	2000	2000
rampUp	300	300	300
steadyState	600	600	600
rampDown	60	60	60
max heap	12g	12g	12g
large pages	✓	✓	✓
jfr	✗	✗	✗

io workers

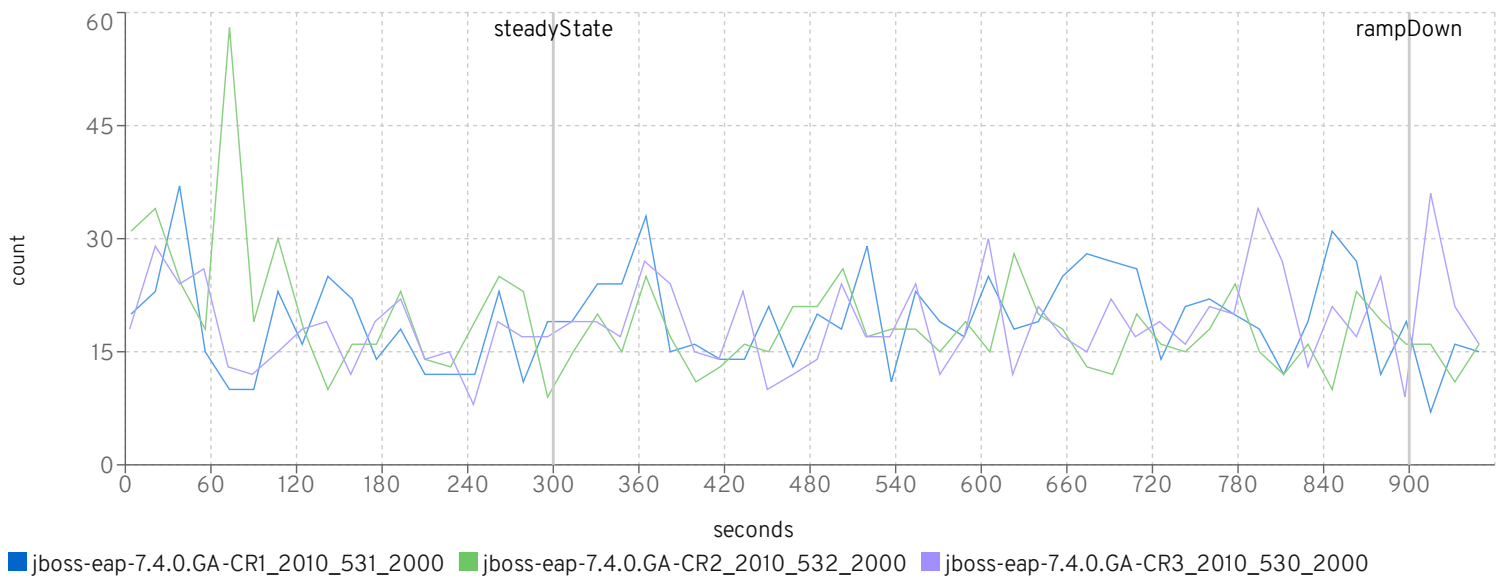
default threads



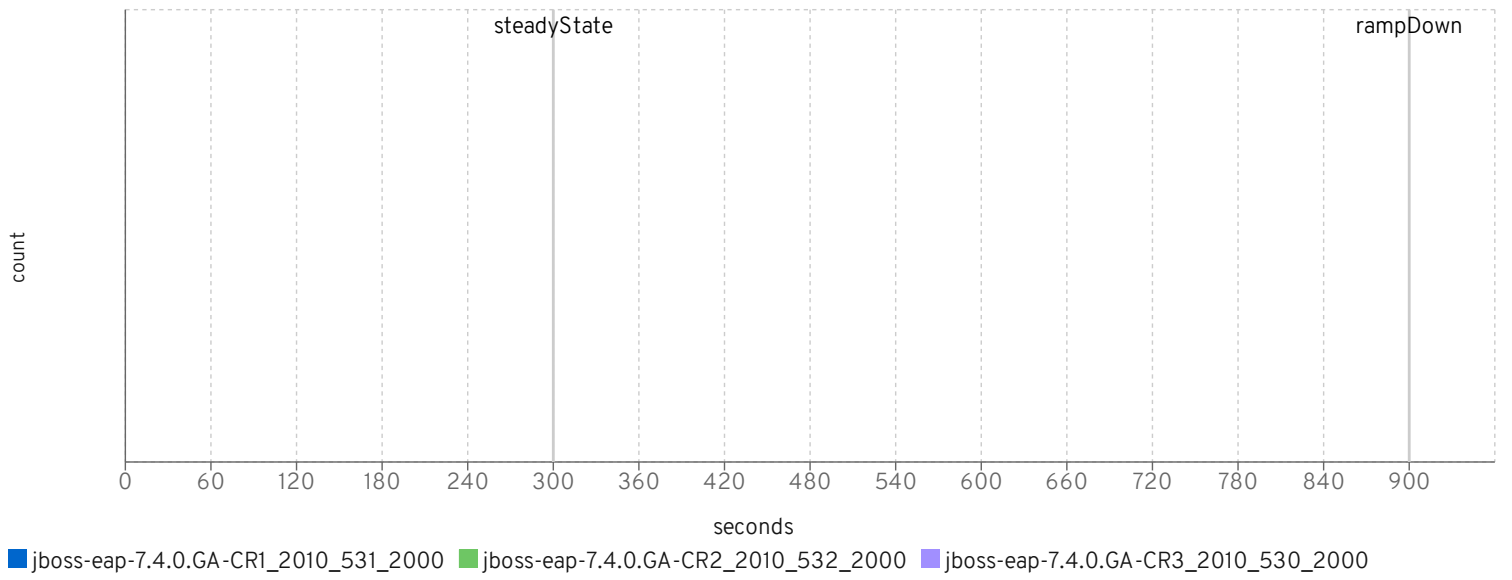
default queue



httpWorker threads



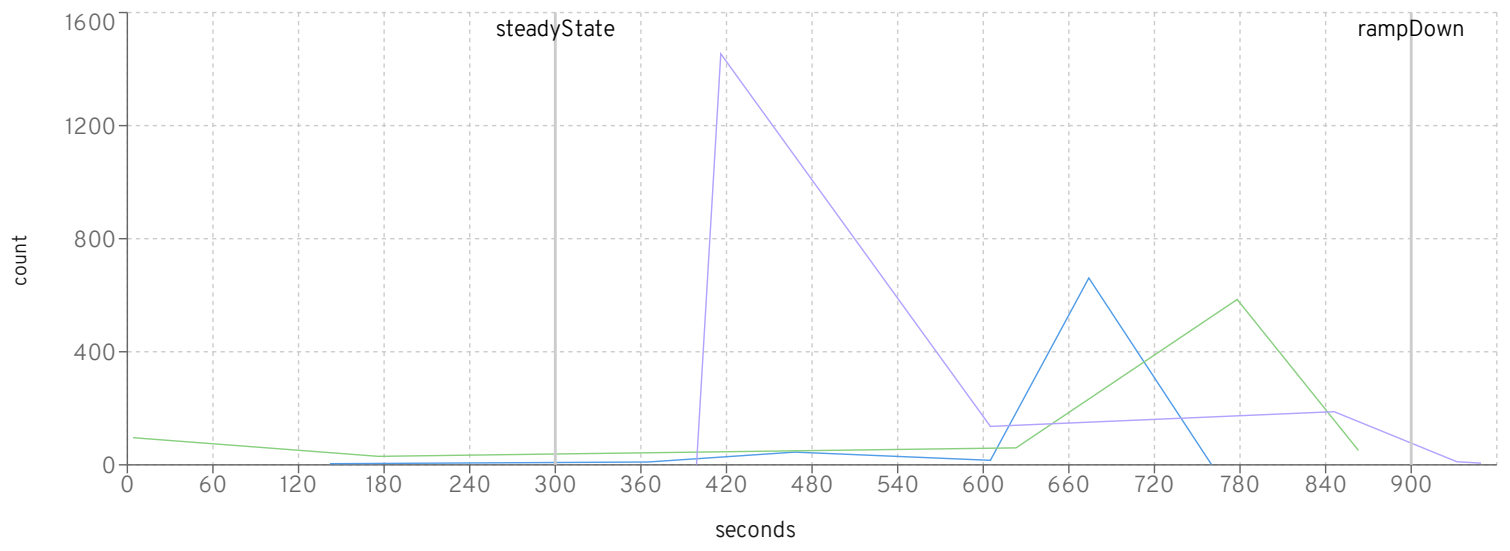
httpWorker queue



wsWorker threads

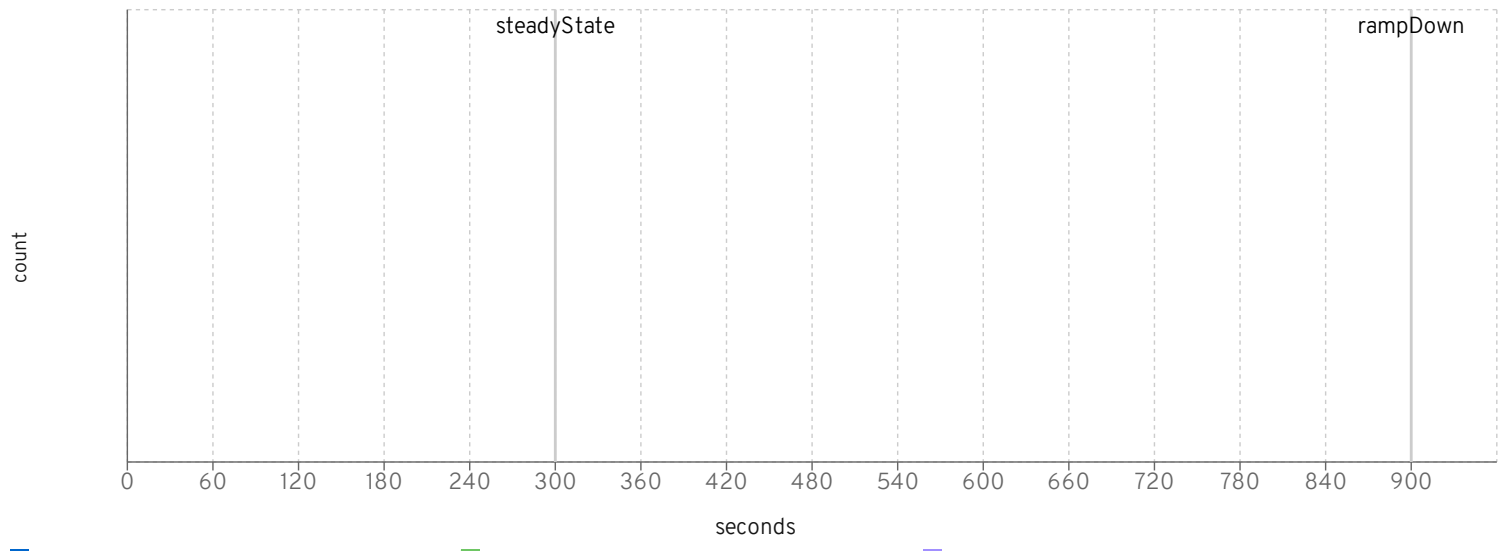


wsWorker queue



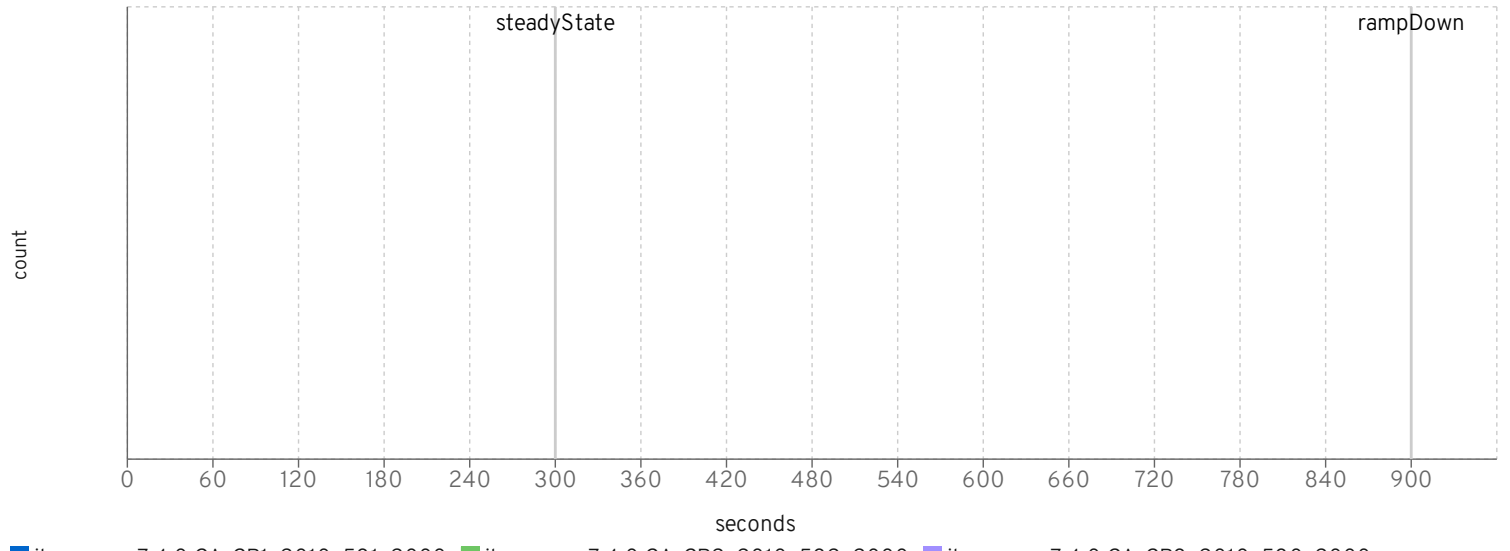
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

ejbWorker threads



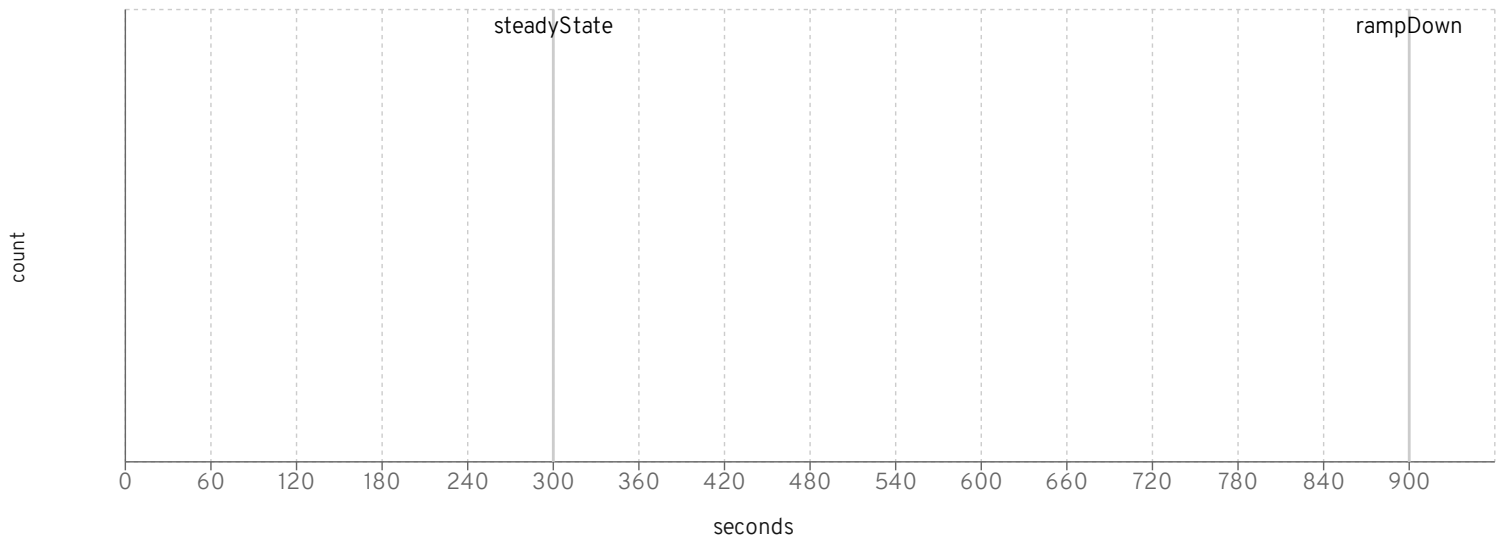
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

ejbWorker queue



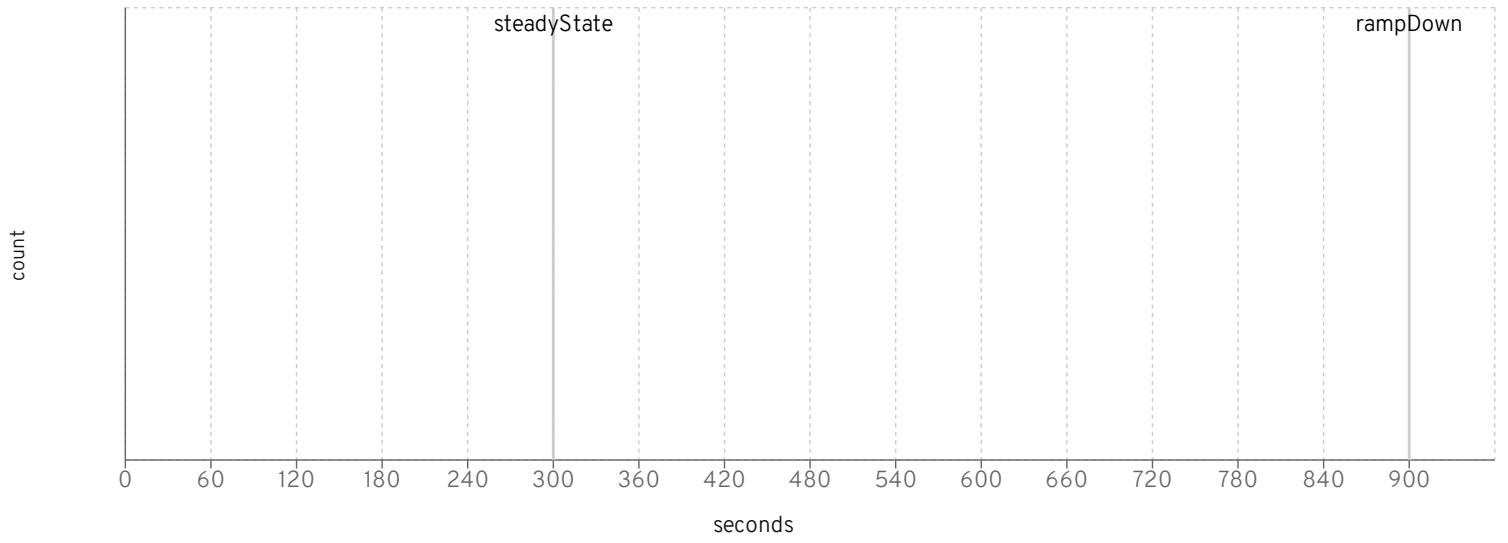
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

supplierWorker threads



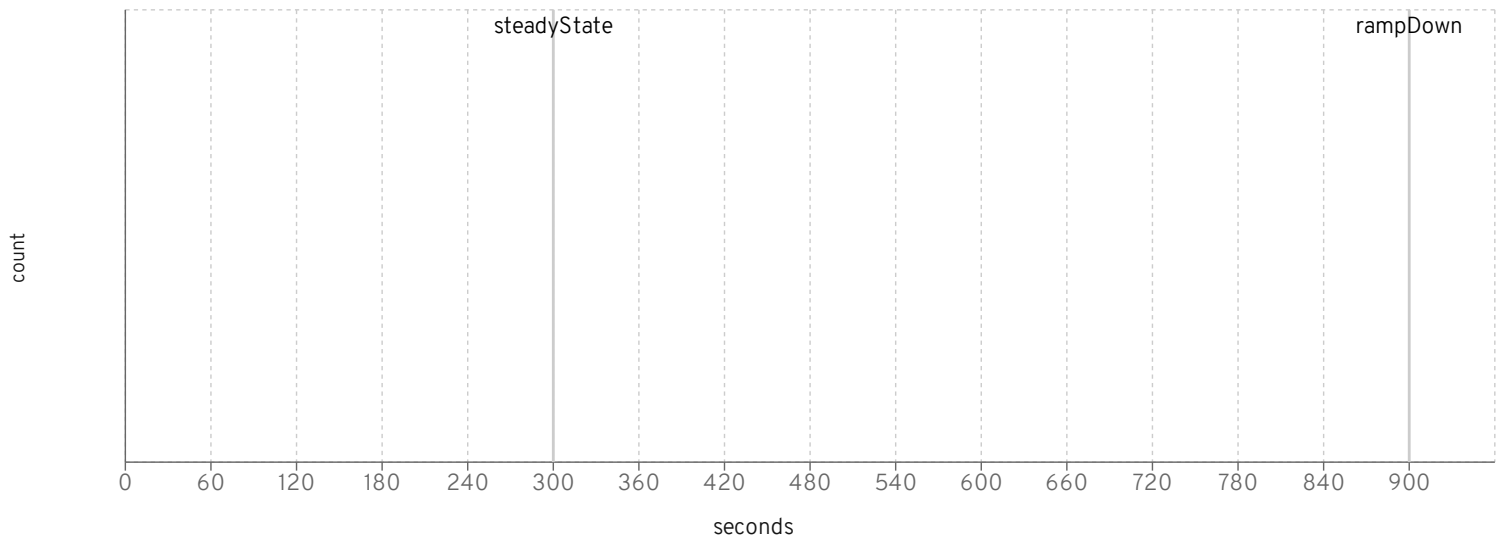
■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

supplierWorker queue



■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

dealerWorker threads



■ jboss-eap-7.4.0.GA-CR1_2010_531_2000 ■ jboss-eap-7.4.0.GA-CR2_2010_532_2000 ■ jboss-eap-7.4.0.GA-CR3_2010_530_2000

dealerWorker queue

