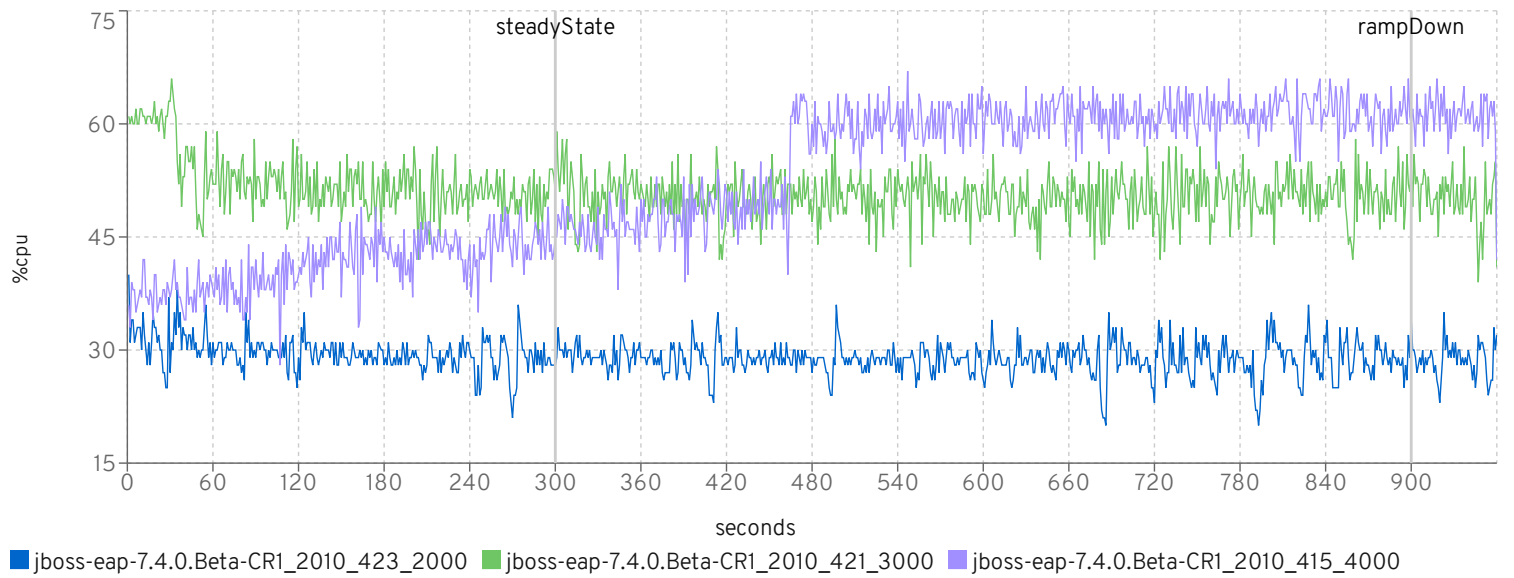


SPECjEnterprise2010

Run Info

name	passed	EjOPS	duration	cpu	gc reasons	pause seconds
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	false	3163.9	00:16:04	29.012	Allocation Failure 462	7.091
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	false	4660.375	00:16:07	50.961	Allocation Failure 681	11.062
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	false	4721.718	00:16:06	52.456	Allocation Failure 652	11.178

server cpu



MfgDriver

runId	passed	Mfg EjOPS	Work Orders
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	false	1149.948	689969
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	false	1639.527	983716
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	false	1871.217	1122730

mix

	CreateVehicleEJB			CreateVehicleWS		
	success	failure	passed	success	failure	passed
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	344987	16	true	344982	14	true
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	492311 35.190%	27	true	491405 35.013%	34	true
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	563508 48.106%	35	true	559222 47.388%	42	true

response times

	CreateVehicleEJB					CreateVehicleWS				
	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	0.004	0.015	0.025	0.05	0.087	1.512	0.748	1.225	6.675	13.955
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	0.009 76.923%	0.022 37.838%	0.05 66.667%	0.075 40.000%	0.121 32.692%	1.404 -7.407%	2.18 97.814%	3.825 102.970%	7.35 9.626%	15.128 8.067%
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	0.013 105.882%	0.03 66.667%	0.05 66.667%	0.075 40.000%	0.211 83.221%	2.617 53.524%	5.062 148.503%	9 152.078%	14 70.859%	33.085 81.335%

cycle times

	CreateVehicleEJB				CreateVehicleWS			
	target	avg	min	max	target	avg	min	max
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	4.919	5.015	0.103	25.041	4.93	5.324	0.735	25.222
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	4.922	5.02	0.286	25.038	4.937	5.858	0.17	25.043
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	4.932	5.032	0.333	25.075	4.938	7.65	0.744	34.085

DealerDriver

runId	passed	Dealer EjOPS	Purchase/Manage/Browse Transactions
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	true	2013.952	1208371
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	true	3020.848	1812509
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	false	2850.502	1710301

mix

	Purchase			Manage			Browse		
	success	failure	passed	success	failure	passed	success	failure	passed
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	302715	0	true	301031	0	true	604625	0	true
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	453758 39.933%	0	true	453290 40.370%	0	true	905461 39.844%	0	true
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	427937 34.277%	0	true	426984 34.602%	0	true	855380 34.350%	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.Beta-CR1_2010_423_2000	0.003	0.005	0.01	0.02	0.263	0.014	0.017	0.04	0.08	0.271	0.003	0.008	0.01	0.03	0.273
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	0.007 80.000	0.009 57.143	0.02 66.667	0.04 66.667	0.135 -64.32	0.02 3	0.02 5	0.06 40.000	0.12 40.00	0.37 5	0.006 66.667	0.012 40.00	0.02 66.667	0.05 50.000	0.164 -49.88
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	0.02 147.82	0.015 100.00	0.03 100.00	0.09 127.27	0.506 63.199	0.03 4	0.03 5	0.08 66.667	0.18 76.923	1.23 127.78	0.022 152.00	0.02 2	0.04 120.00	0.1 107.69	0.406 39.175

cycle times

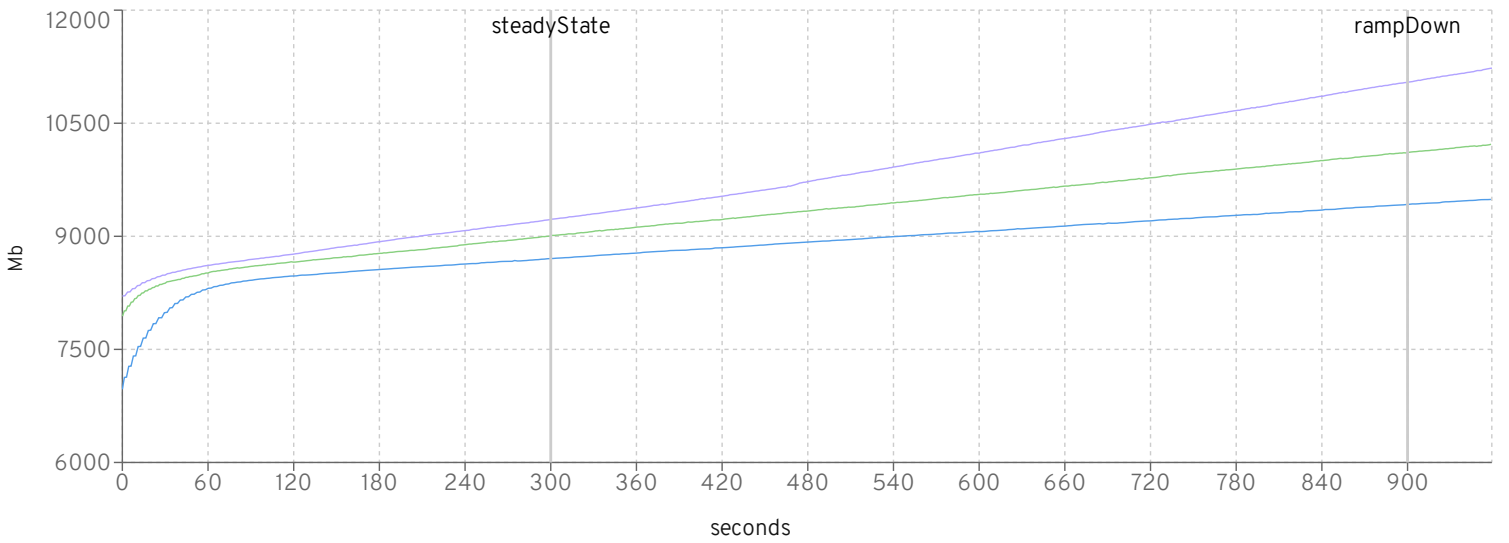
	Purchase				Manage				Browse			
	target	avg	min	max	target	avg	min	max	target	avg	min	max
jboss-eap-7.4.0.Beta-CR1_2010_423_2000	9.779	9.778	0.003	50.01	9.758	9.757	0.005	50.002	9.776	9.775	0.006	50.015
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	9.77	9.769	0.003	50.026	9.779	9.779	0.006	50.096	9.775	9.774	0.007	50.022
jboss-eap-7.4.0.Beta-CR1_2010_415_4000	9.732	9.827	0.003	490.548	9.744	9.787	0.005	523.167	9.765	9.821	0.007	504.056

gc

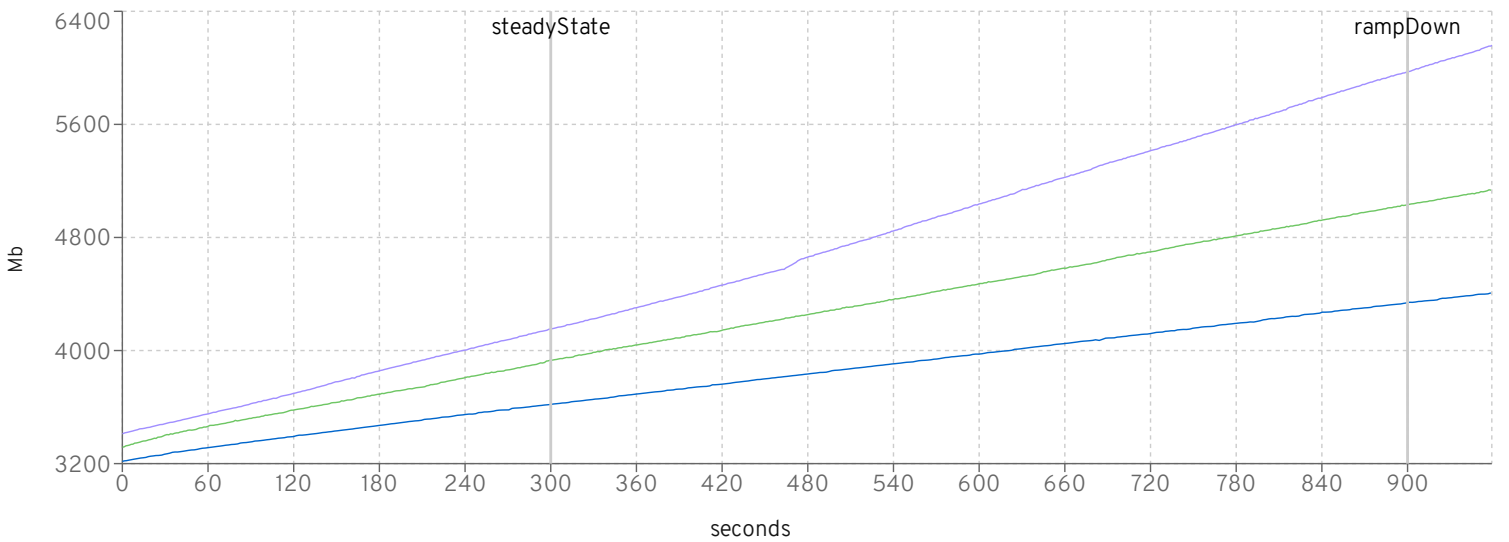
GC duration



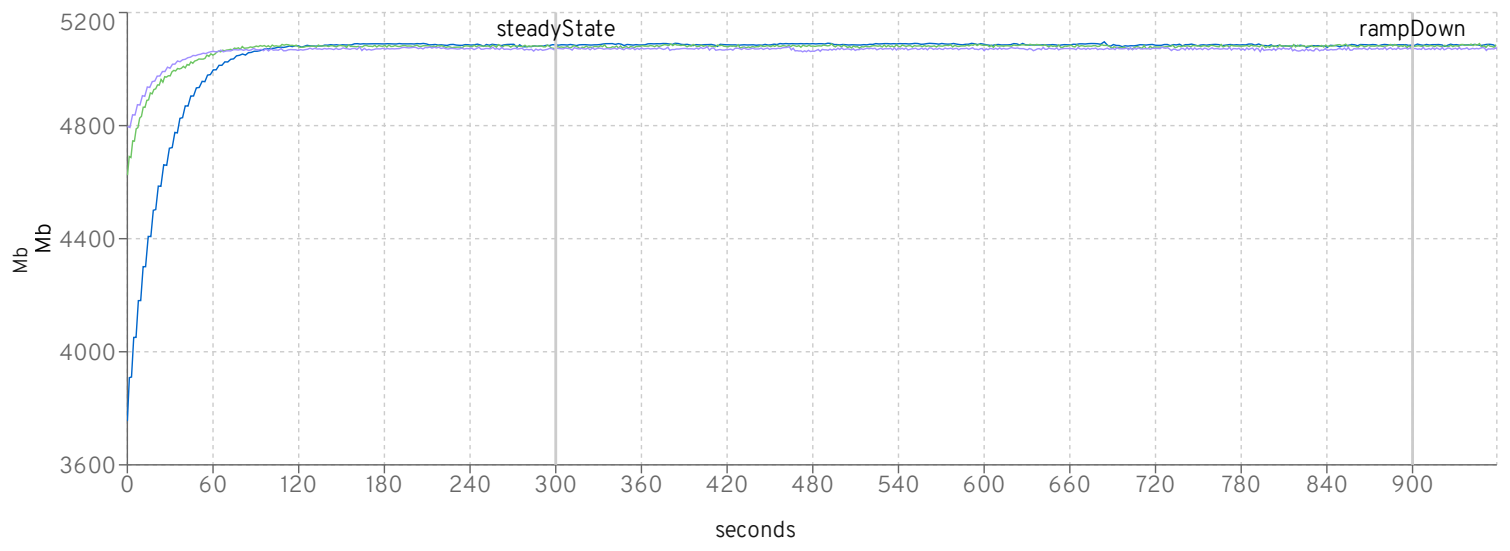
Heap before GC



Heap after GC

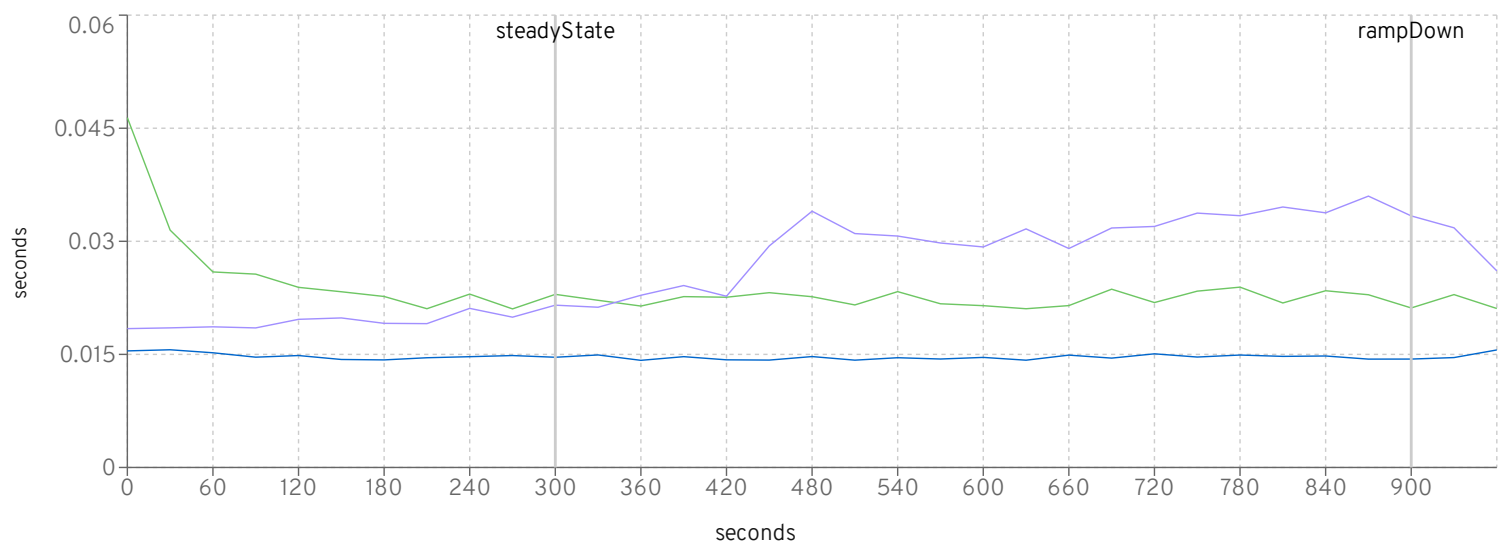


Heap freed in GC

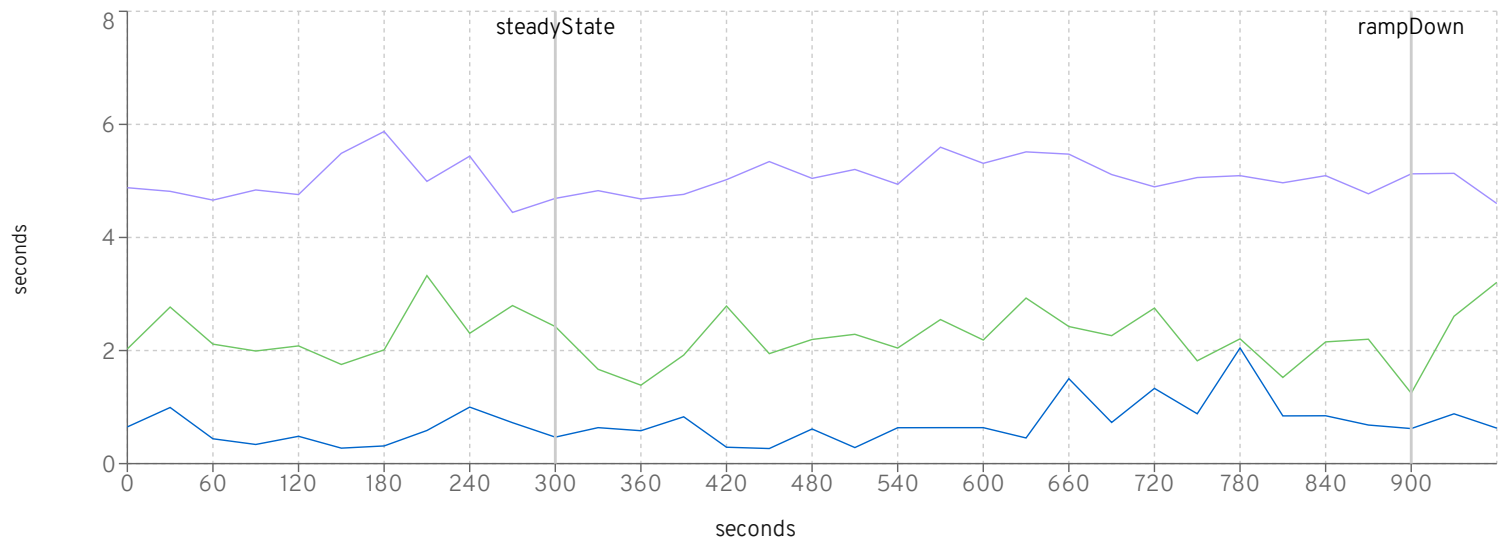


MfgDriver Response Times (seconds)

CreateVehicleEJB

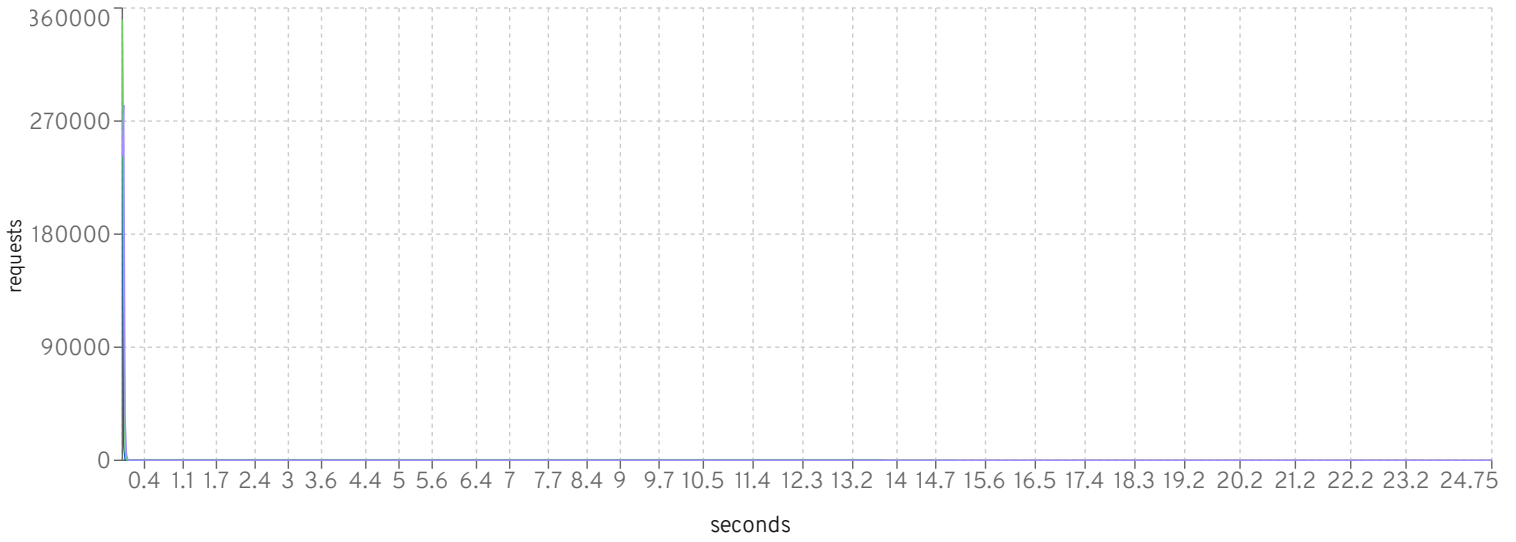


CreateVehicleWS



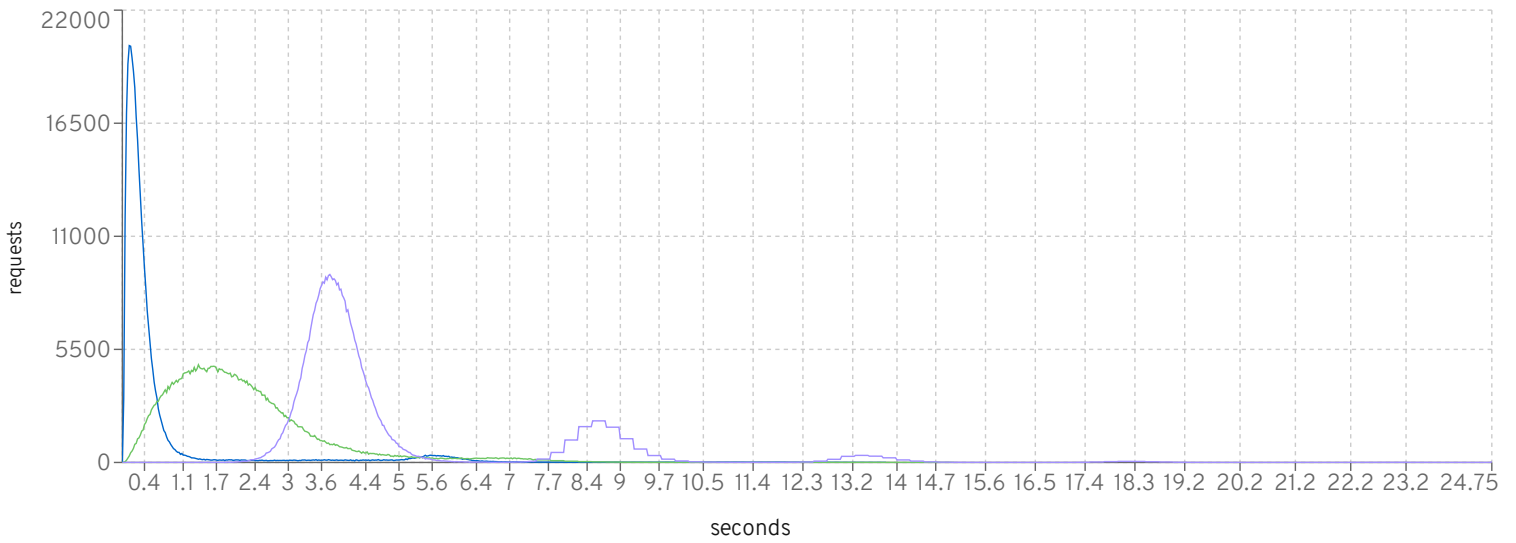
MfgDriver Response Times Distribution

CreateVehicleEJB



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

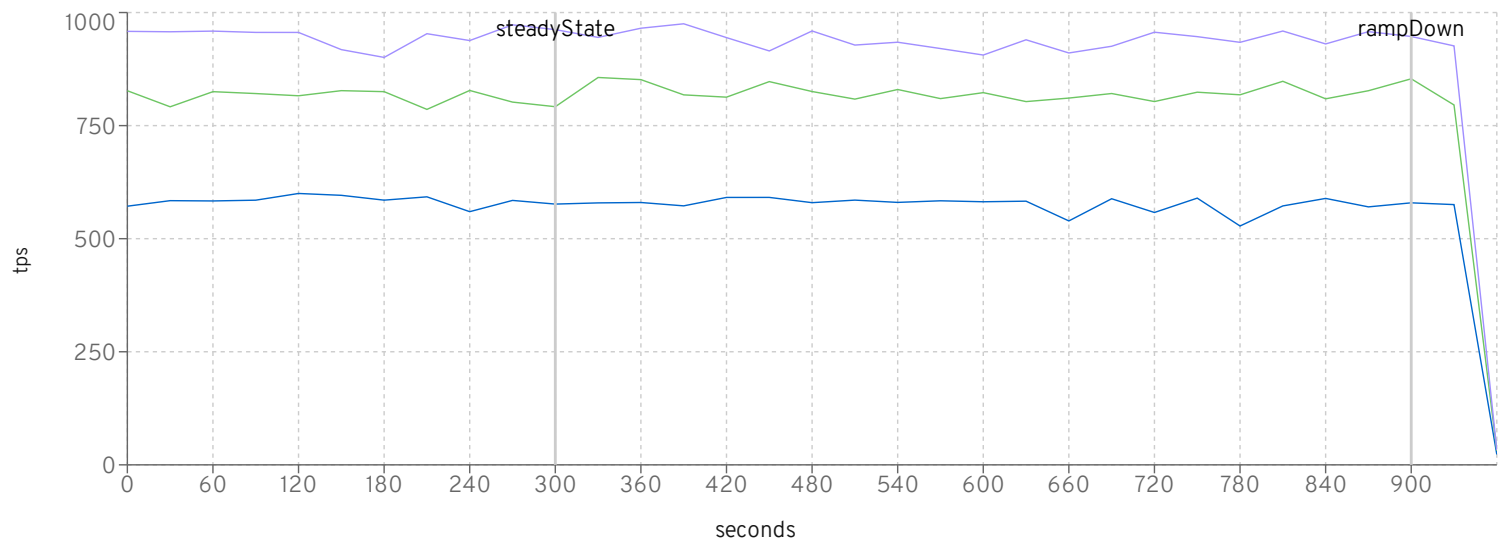
CreateVehicleWS



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

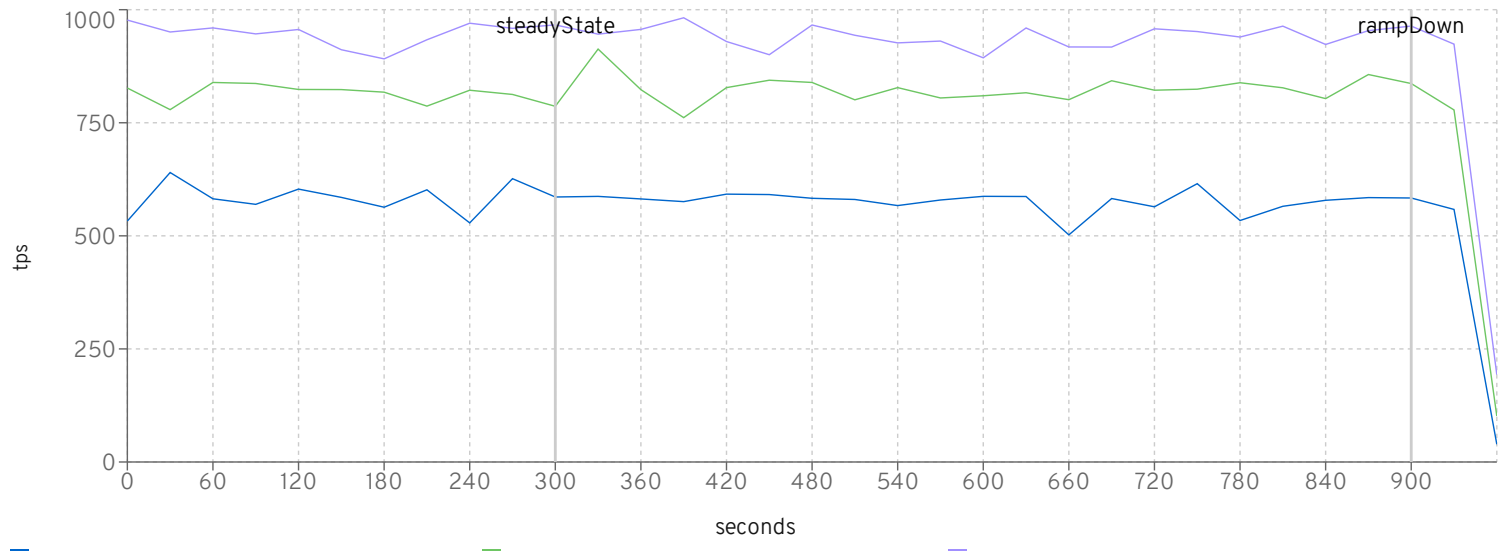
MfgDriver Throughput

CreateVehicleEJB



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

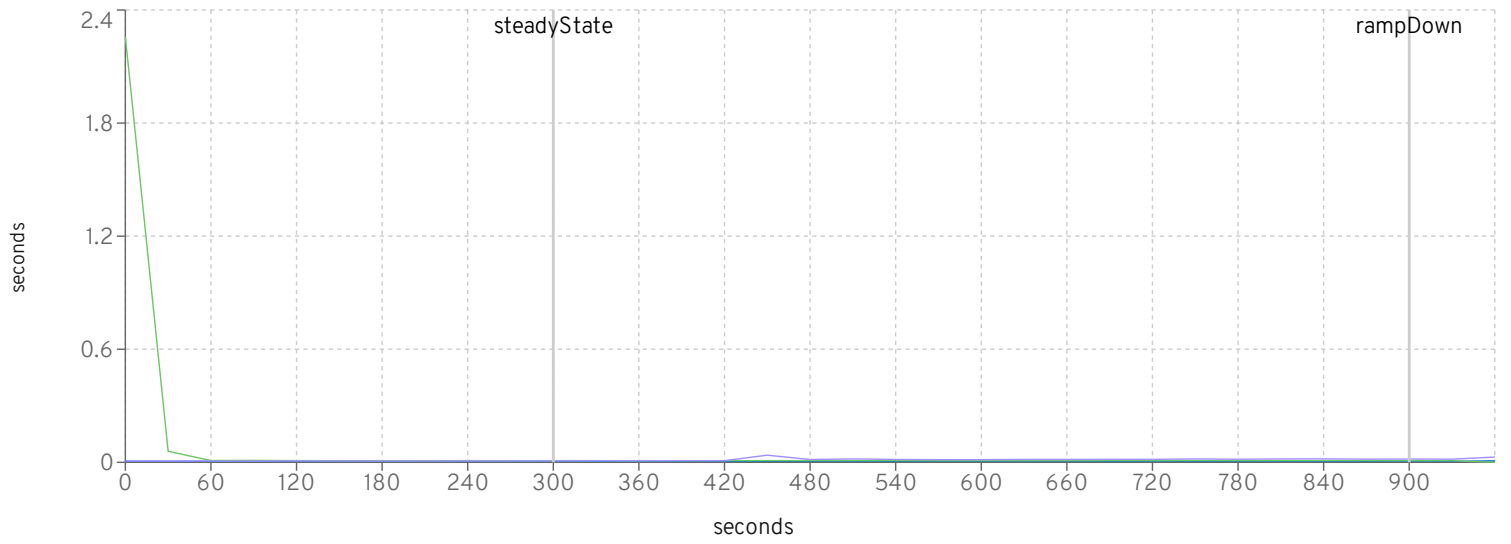
CreateVehicleWS



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

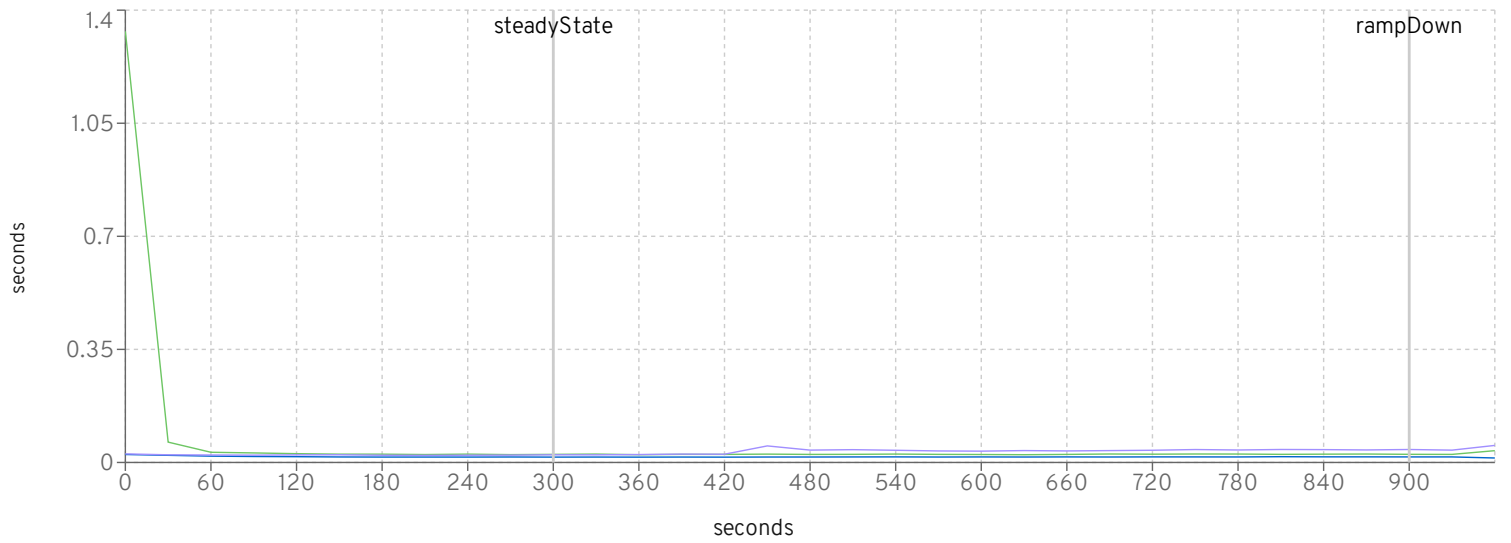
DealerDriver Response Times (seconds)

Purchase



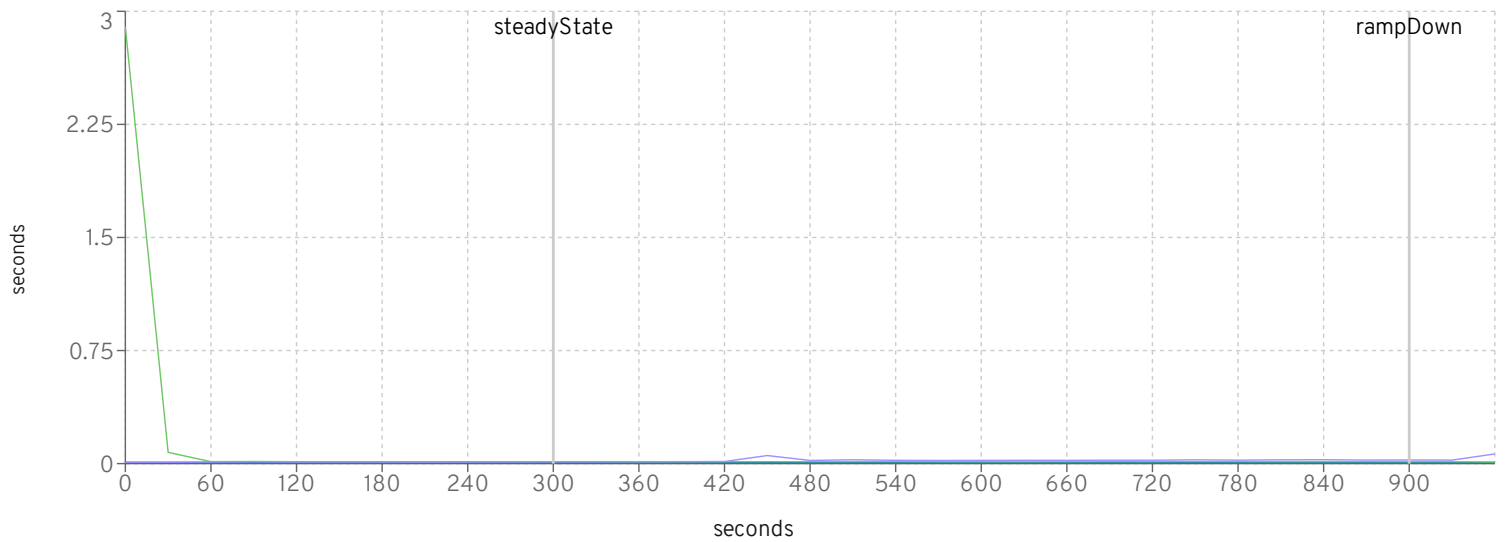
■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

Manage



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

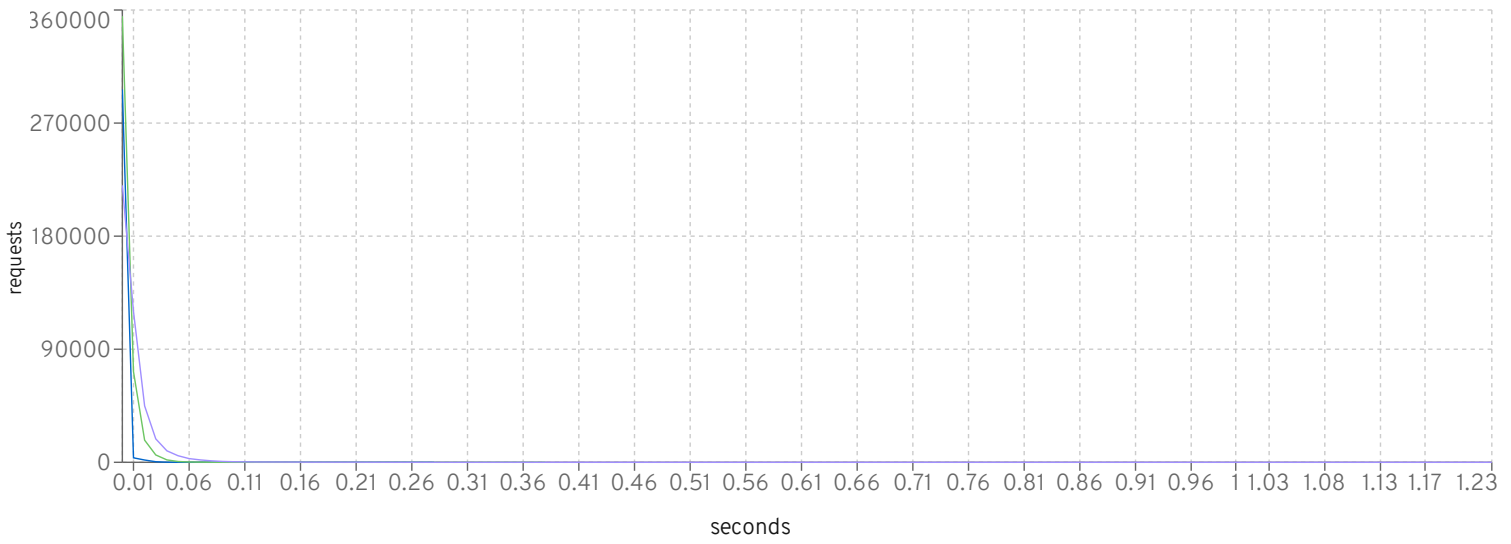
Browse



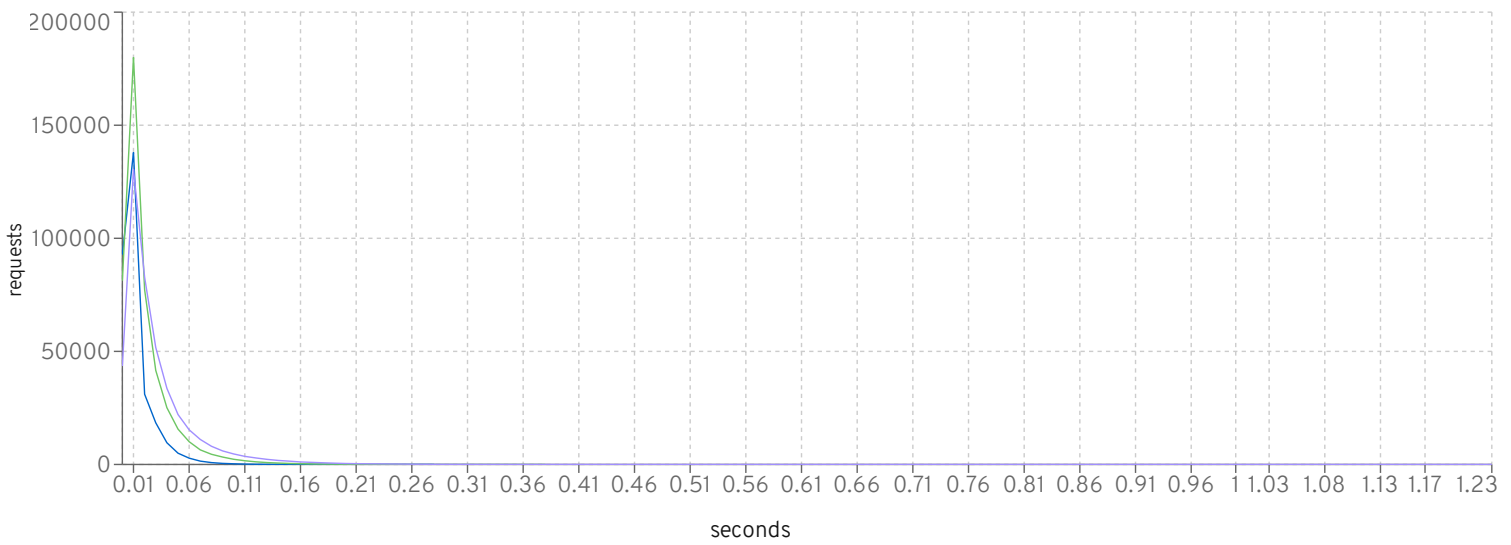
■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

DealerDriver Response Times Distribution

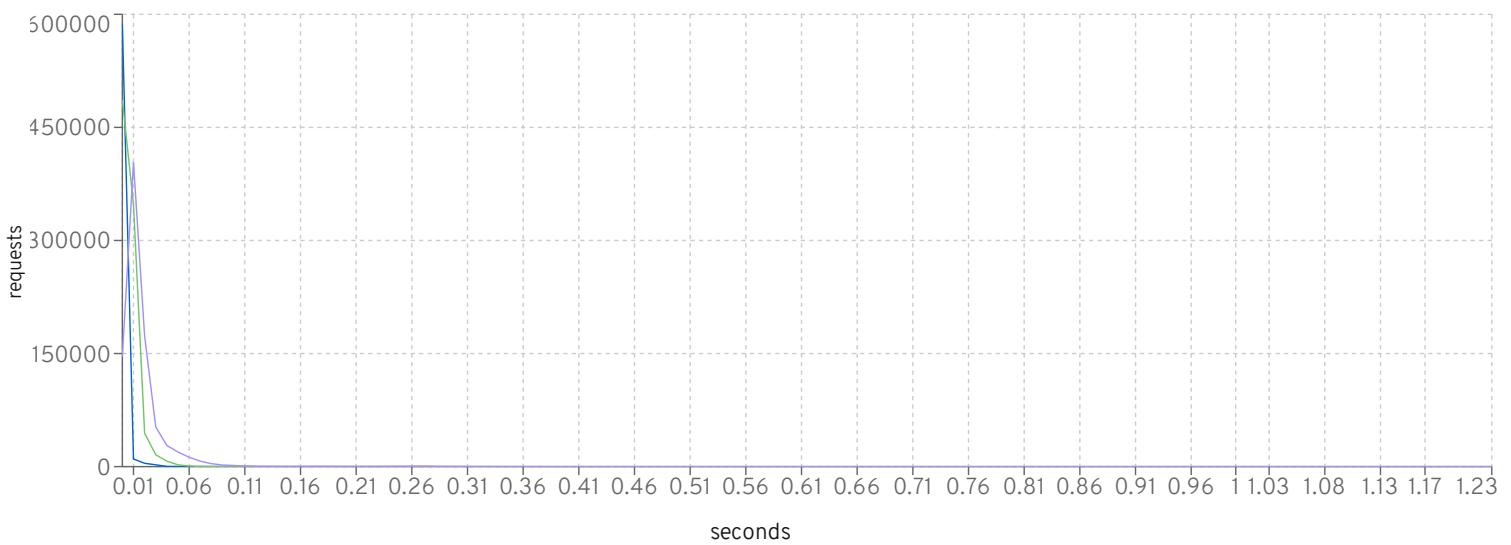
Purchase



Manage

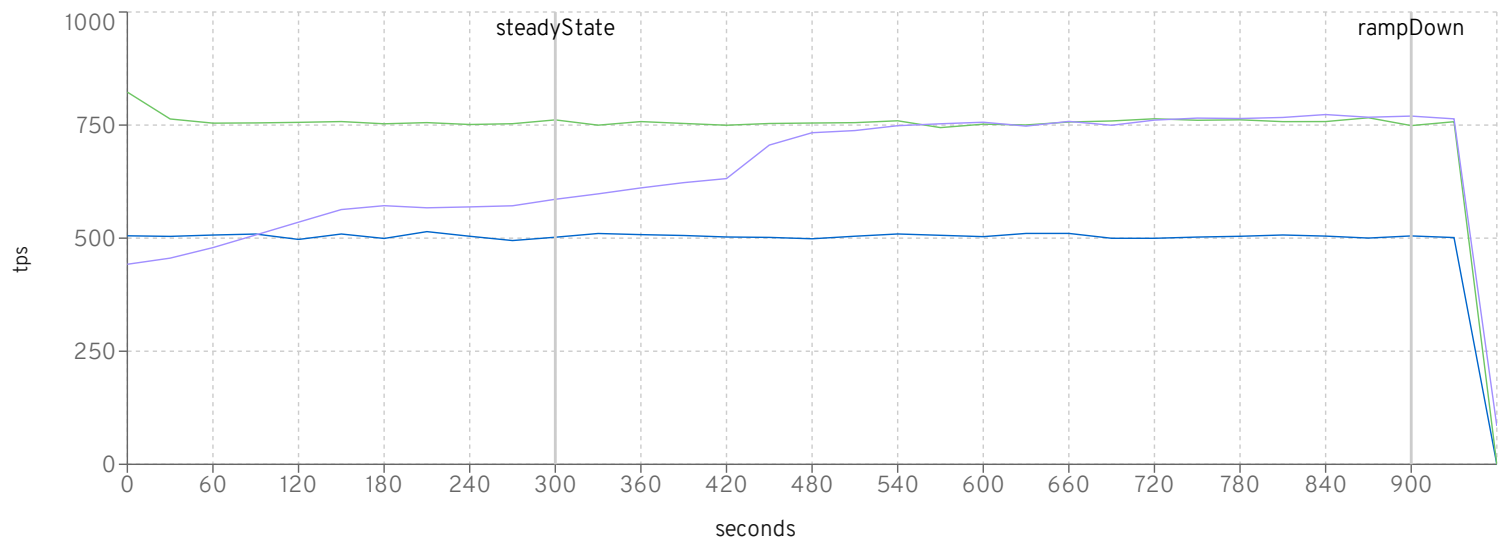


Browse

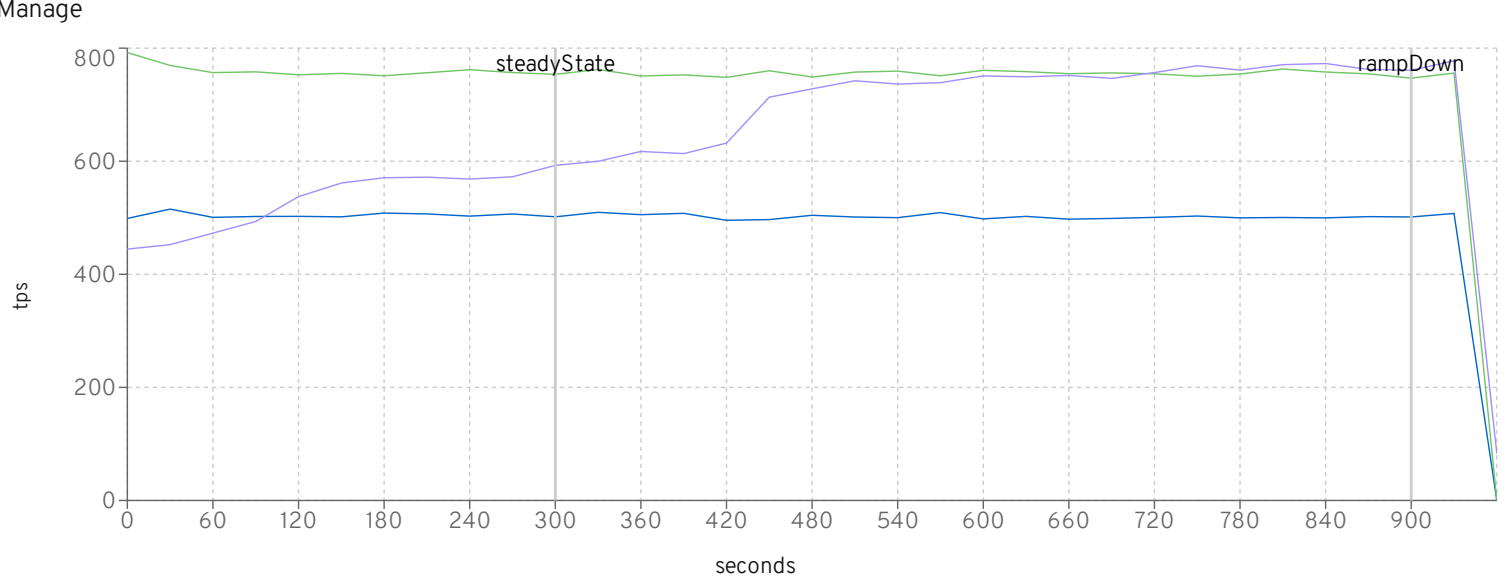


DealerDriver Throughput

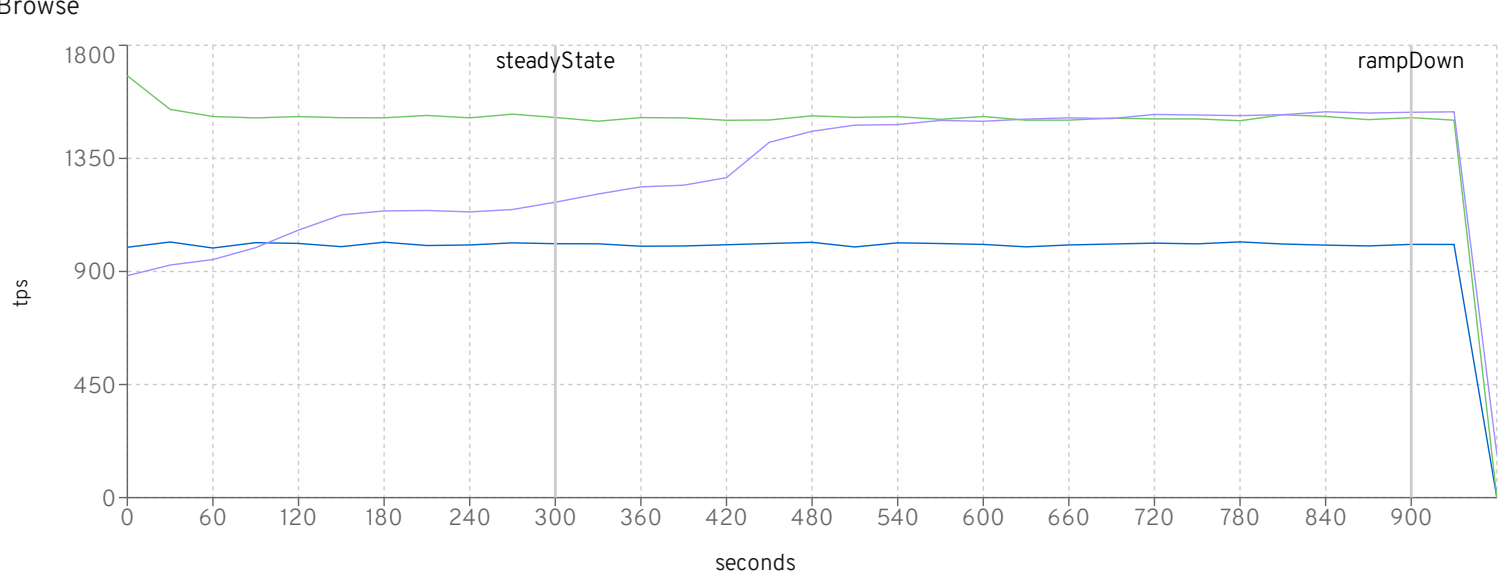
Purchase



Manage



Browse

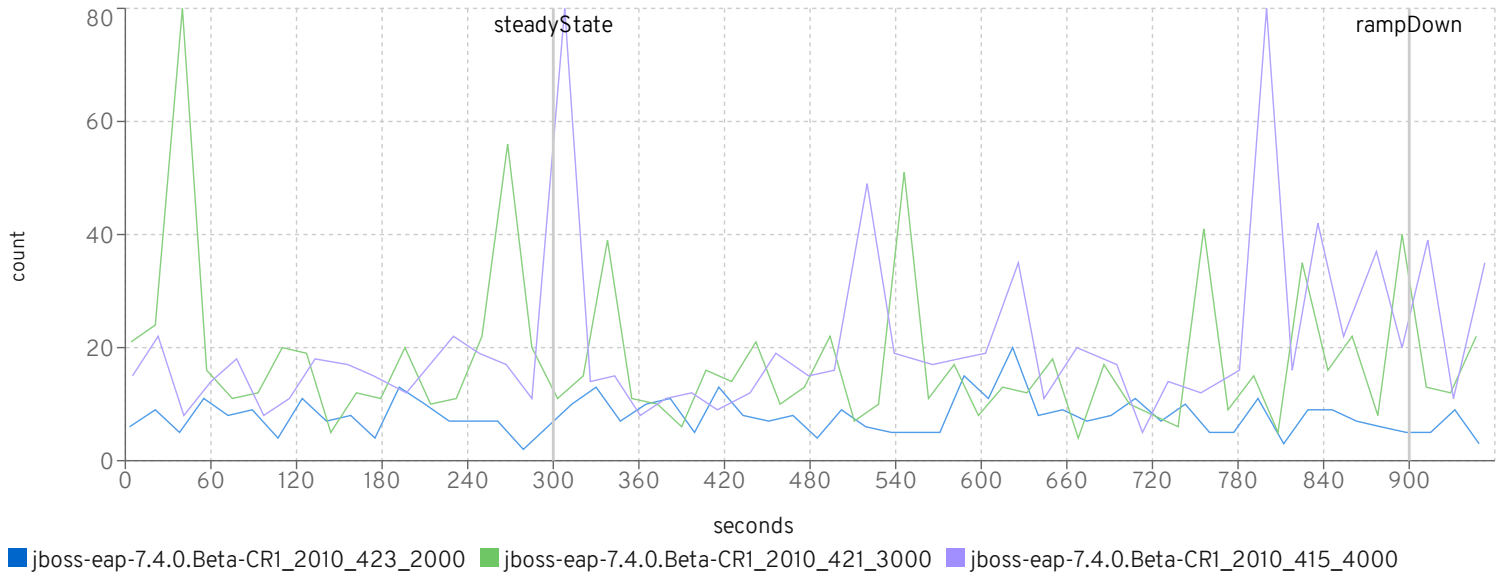


setting	423	421	415
scale	2000	3000	4000
rampUp	300	300	300
steadyState	600	600	600
rampDown	60	60	60

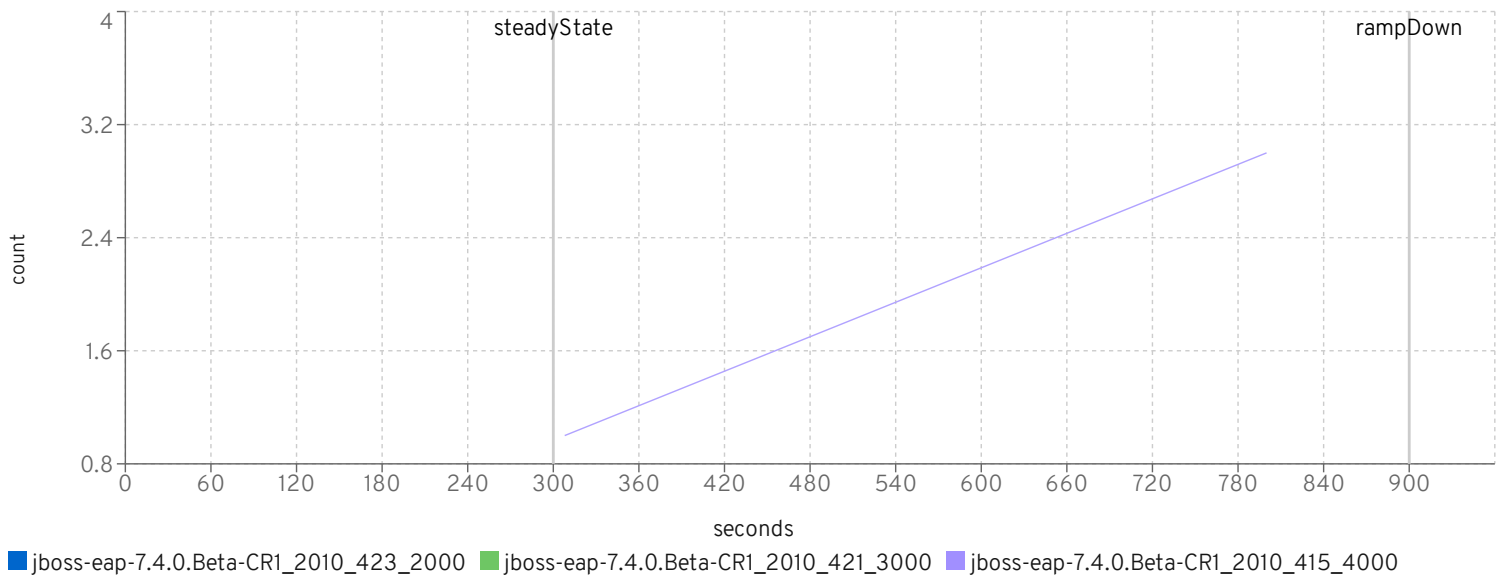
setting	423	421	415
max heap	12g	12g	12g
large pages	✓	✓	✓
jfr	✗	✗	✗

io workers

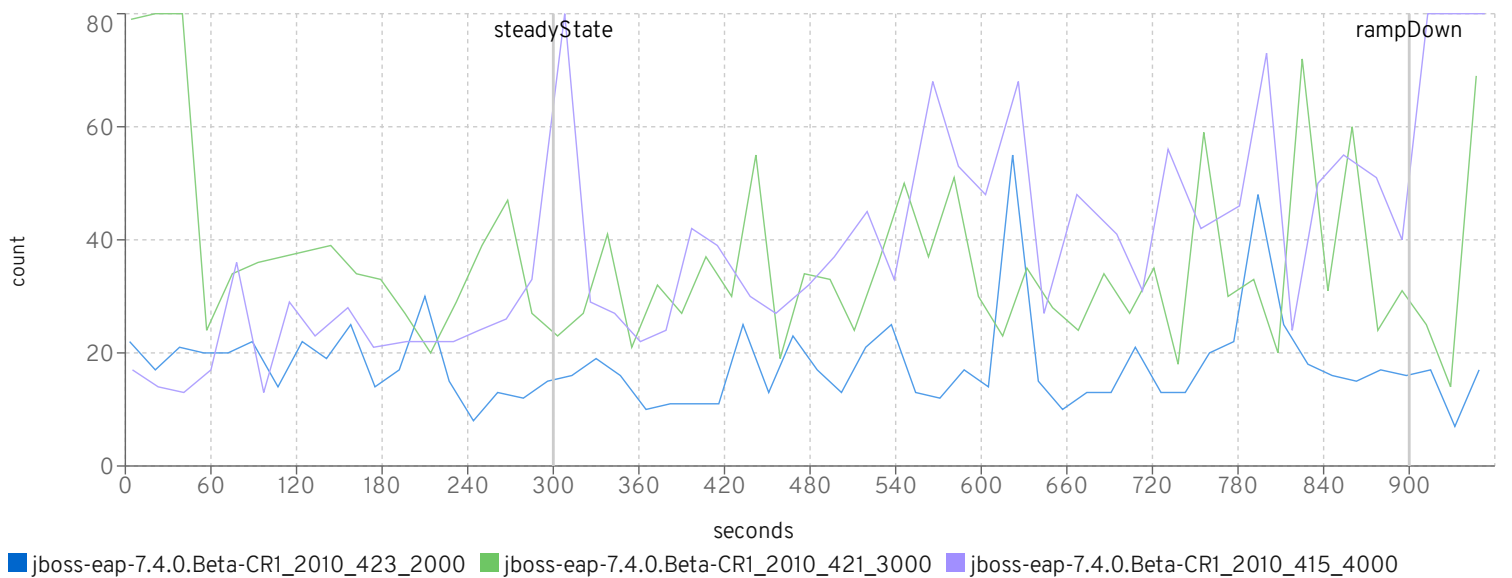
default threads



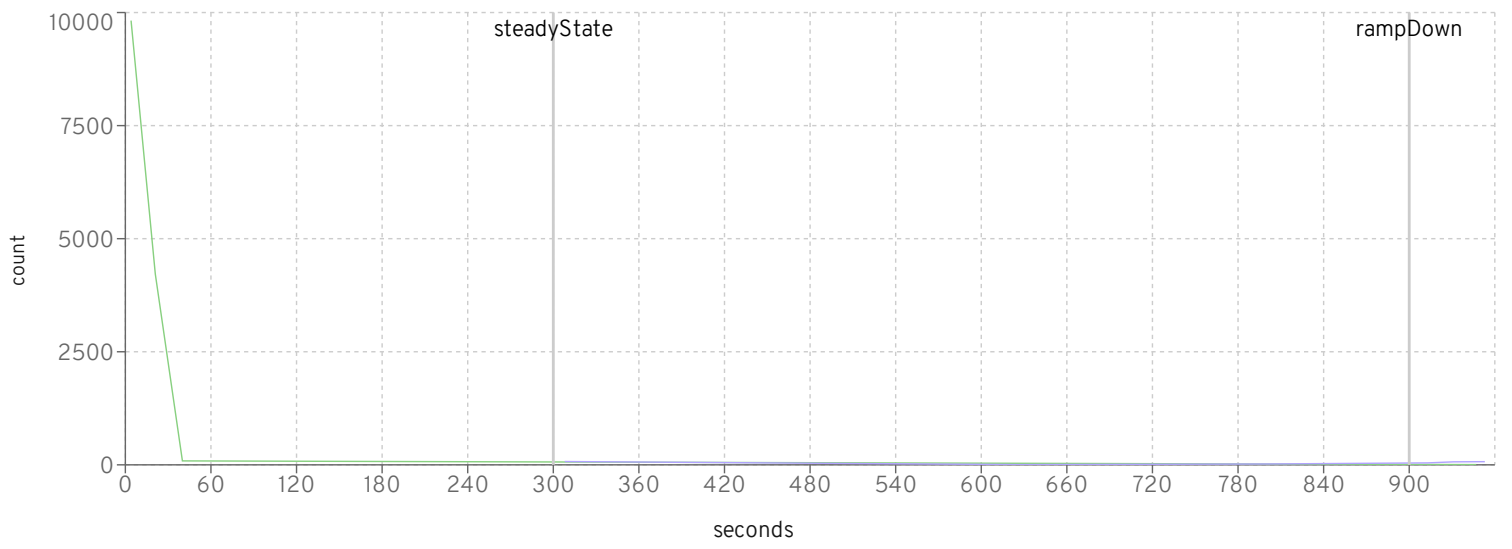
default queue



httpWorker threads

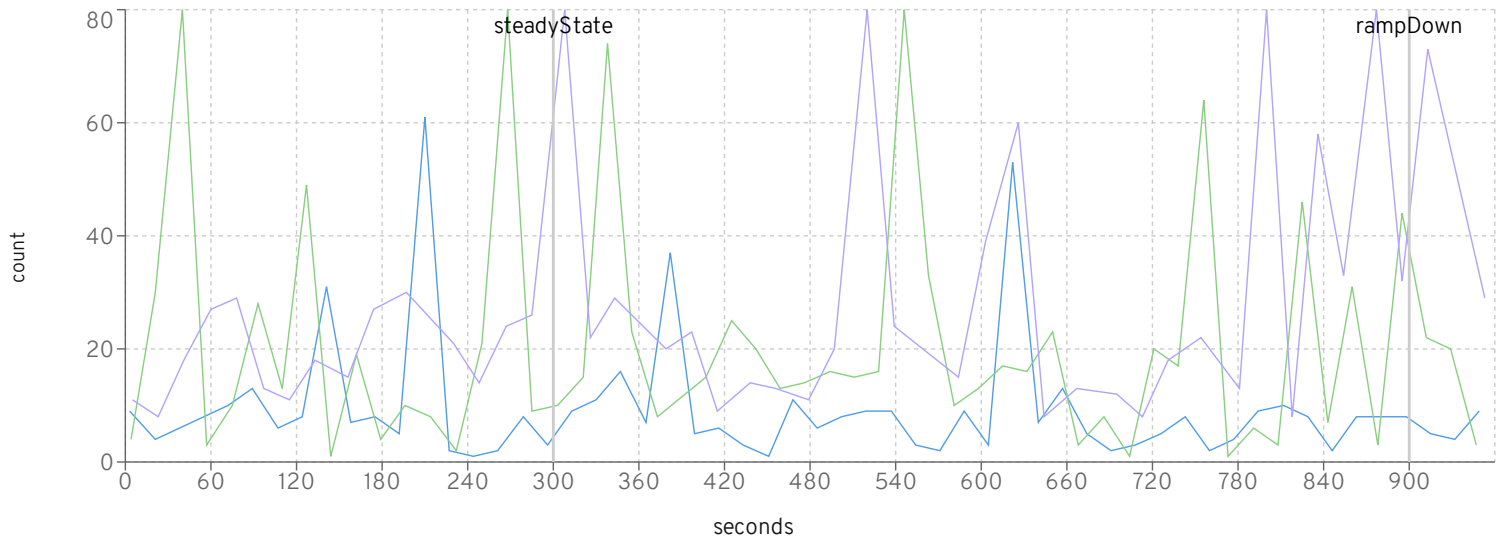


httpWorker queue



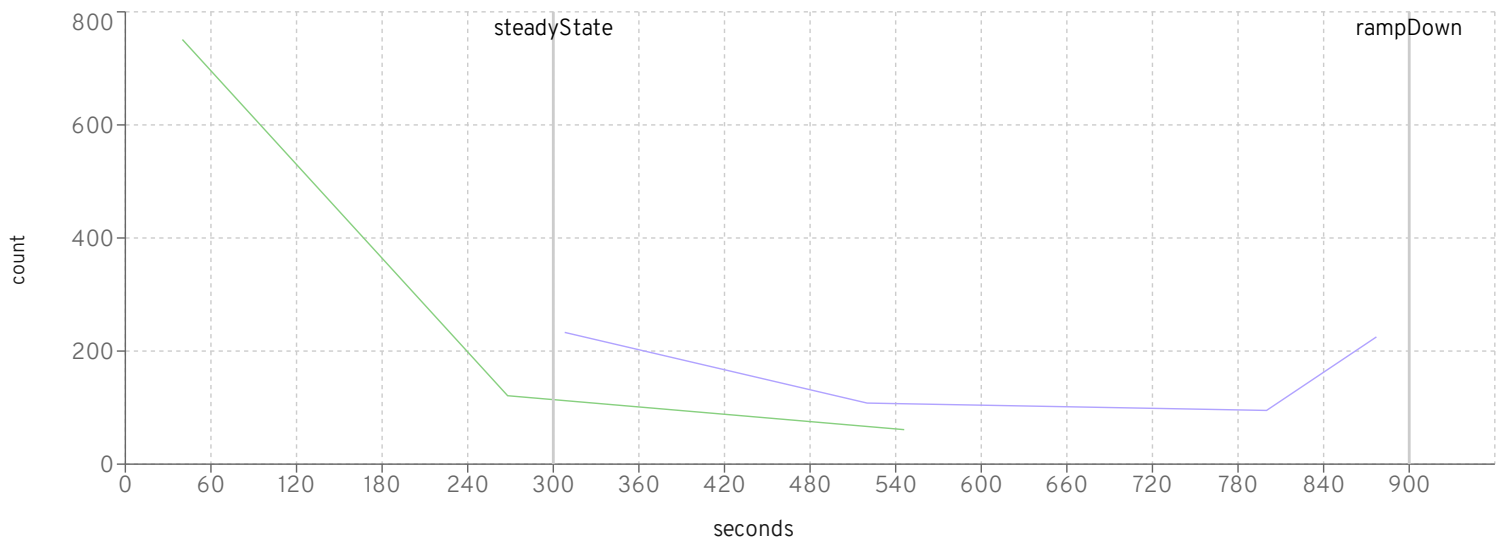
■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

wsWorker threads



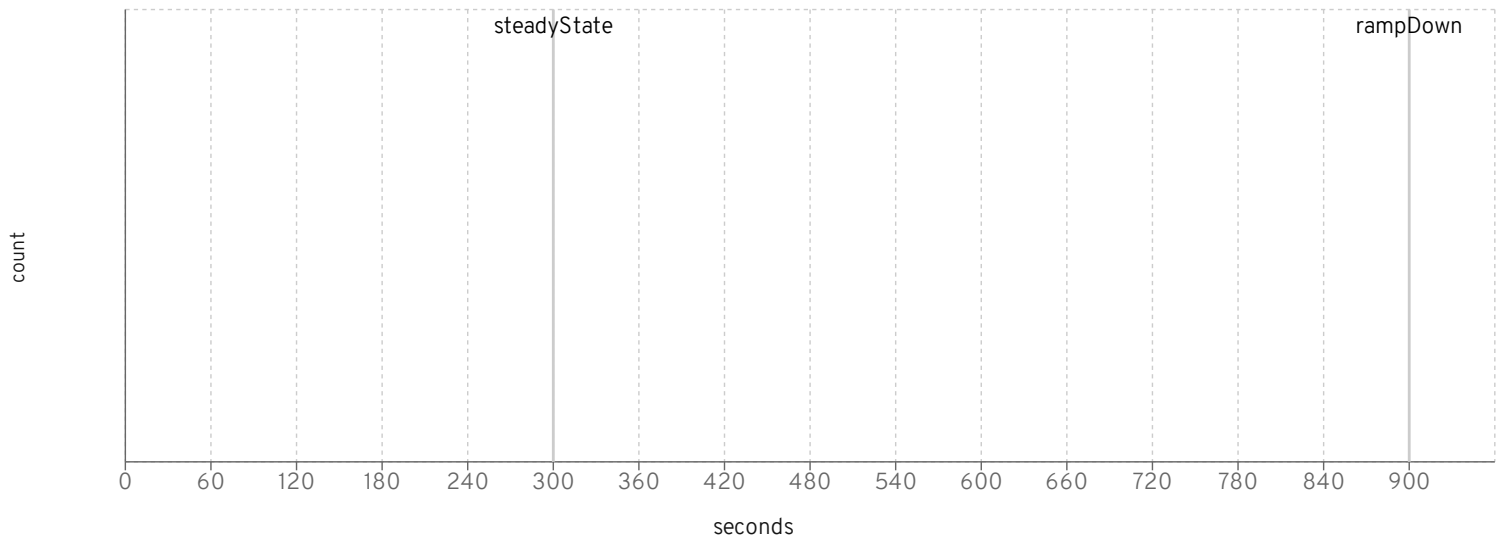
■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

wsWorker queue



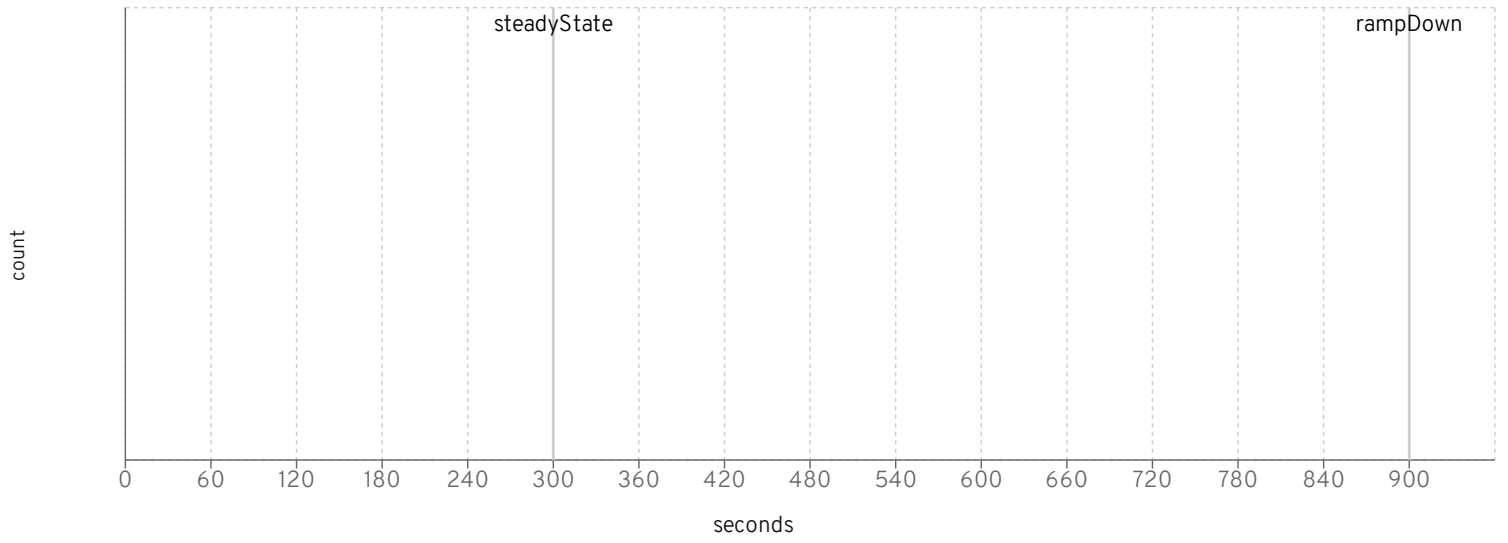
■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

ejbWorker threads



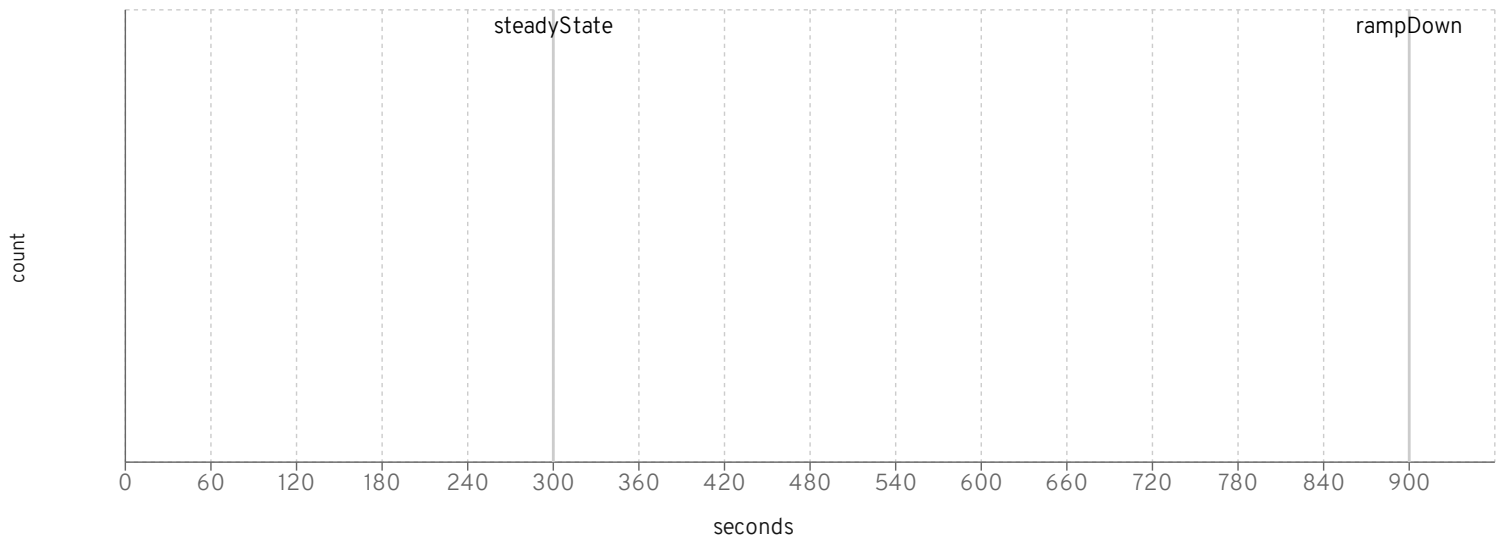
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ejbWorker queue



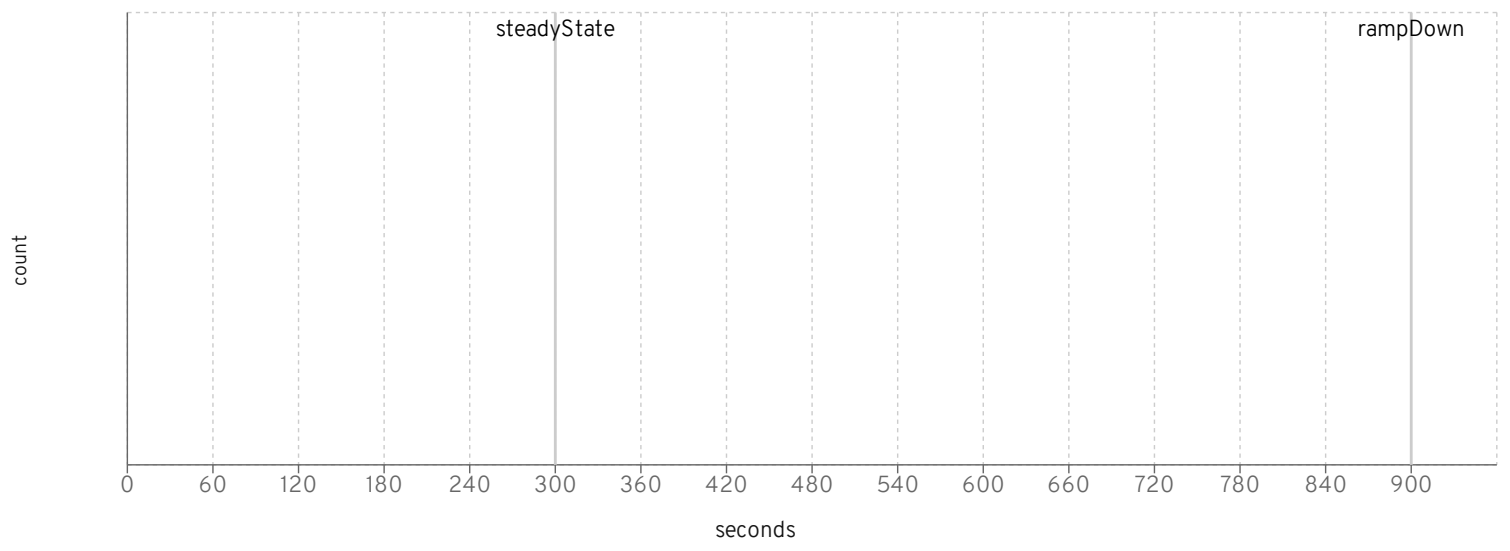
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supplierWorker threads



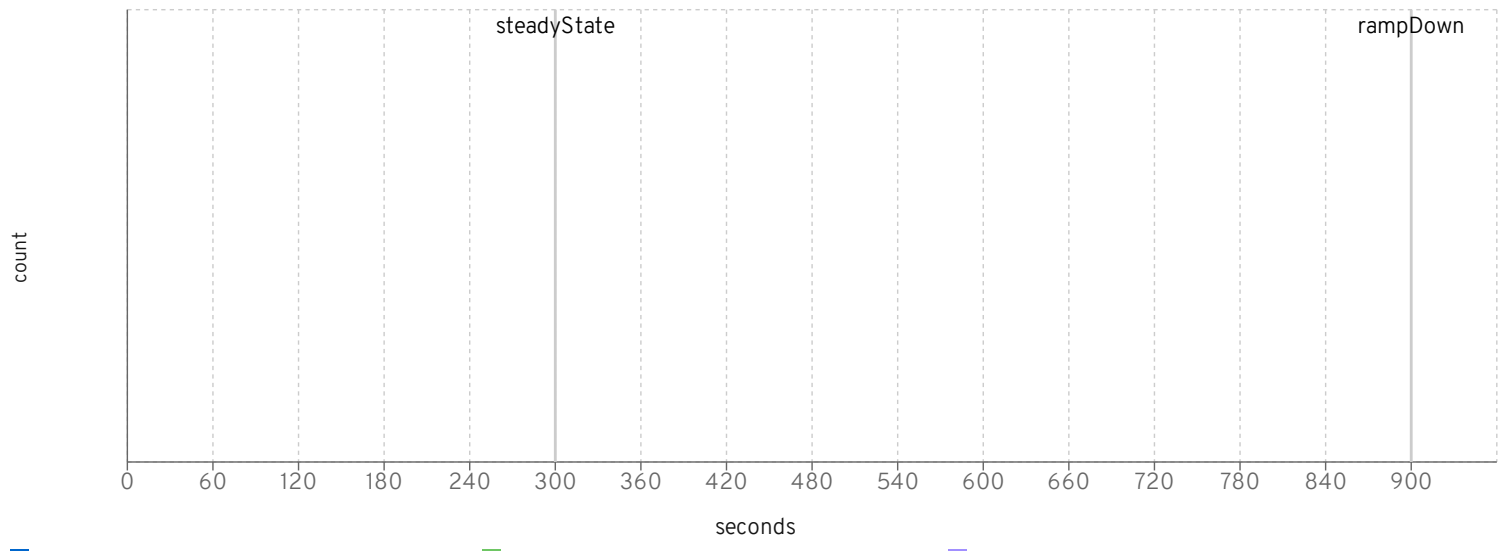
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supplierWorker queue



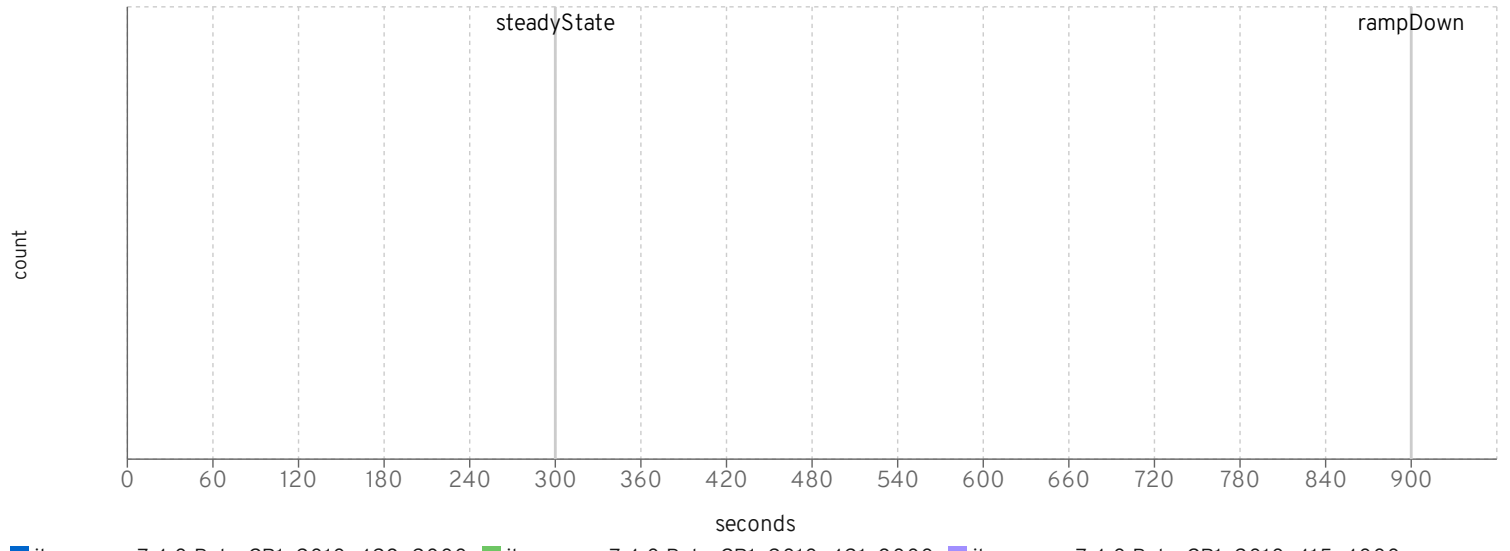
■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

dealerWorker threads



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

dealerWorker queue



■ jboss-eap-7.4.0.Beta-CR1_2010_423_2000 ■ jboss-eap-7.4.0.Beta-CR1_2010_421_3000 ■ jboss-eap-7.4.0.Beta-CR1_2010_415_4000

