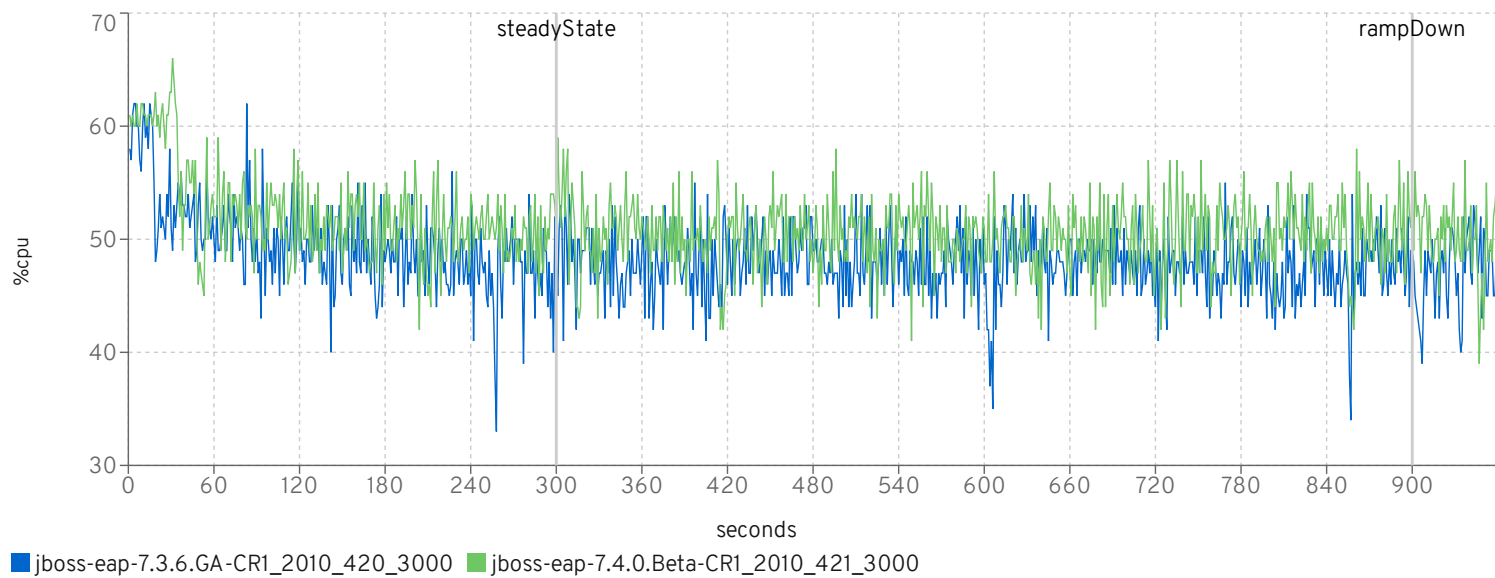


# SPECjEnterprise2010

## Run Info

name	passed	EjOPS	duration	cpu	gc reasons	pause seconds
jboss-eap-7.3.6.GA-CR1_2010_420_3000	false	4653.402	00:16:05	48.322	Allocation Failure 681	10.652
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	false	4660.375	00:16:07	50.961	Allocation Failure 681	11.062

## server cpu



## MfgDriver

runId	passed	Mfg EjOPS	Work Orders
jboss-eap-7.3.6.GA-CR1_2010_420_3000	false	1631.102	978661
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	false	1639.527	983716

## mix

	CreateVehicleEJB			CreateVehicleWS		
	success	failure	passed	success	failure	passed
jboss-eap-7.3.6.GA-CR1_2010_420_3000	489991	23	true	488670	35	true
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	492311 0.472%	27	true	491405 0.558%	34	true

## response times

	CreateVehicleEJB					CreateVehicleWS				
	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max
jboss-eap-7.3.6.GA-CR1_2010_420_3000	0.009	0.022	0.05	0.075	0.156	1.478	2.282	3.85	8.25	15.921
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	0.009 0.000%	0.022 0.000%	0.05 0.000%	0.075 0.000%	0.121 -25.271%	1.404 -5.135%	2.18 -4.572%	3.825 -0.651%	7.35 -11.538%	15.128 -5.108%

## cycle times

	CreateVehicleEJB				CreateVehicleWS			
	target	avg	min	max	target	avg	min	max
jboss-eap-7.3.6.GA-CR1_2010_420_3000	4.92	5.018	0.546	25.055	4.937	5.911	0.78	25.047
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

## DealerDriver

runId	passed	Dealer EjOPS	Purchase/Manage/Browse Transactions
jboss-eap-7.3.6.GA-CR1_2010_420_3000	true	3022.3	1813380
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	true	3020.848	1812509

## mix

	Purchase			Manage			Browse		
	success	failure	passed	success	failure	passed	success	failure	passed
jboss-eap-7.3.6.GA-CR1_2010_420_3000	455350	0	true	452757	0	true	905273	0	true
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	453758 -0.350%	0	true	453290 0.118%	0	true	905461 0.021%	0	true

## response times

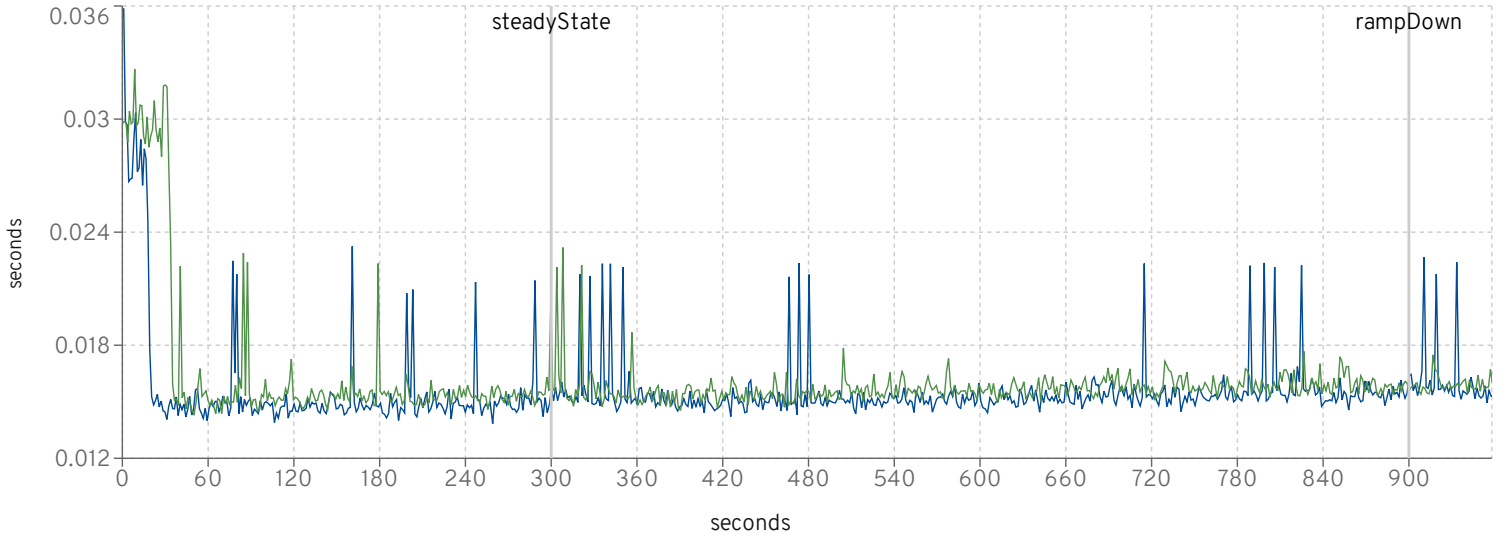
	Purchase					Manage					Browse				
	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max	sd	avg	p90th	p99th	max
jboss-eap-7.3.6.GA-CR1_2010_420_3000	0.006	0.00	0.02	0.04	0.201	0.02	0.02	0.05	0.12	0.423	0.00	0.01	0.02	0.04	0.188
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	0.007	0.00	0.02	0.04	0.135	0.02	0.02	0.06	0.12	0.375	0.00	0.01	0.02	0.05	0.164
	15.385	9	0.000	0.000	-39.286	3	5	18.182	0.000	-12.030	6	2	0.000	22.22	-13.63
	%	11.765	%	%	%	4.444	4.082	%	%	%	0.000	18.182	%	2%	6%
		%				%	%				%	%			

cycle times

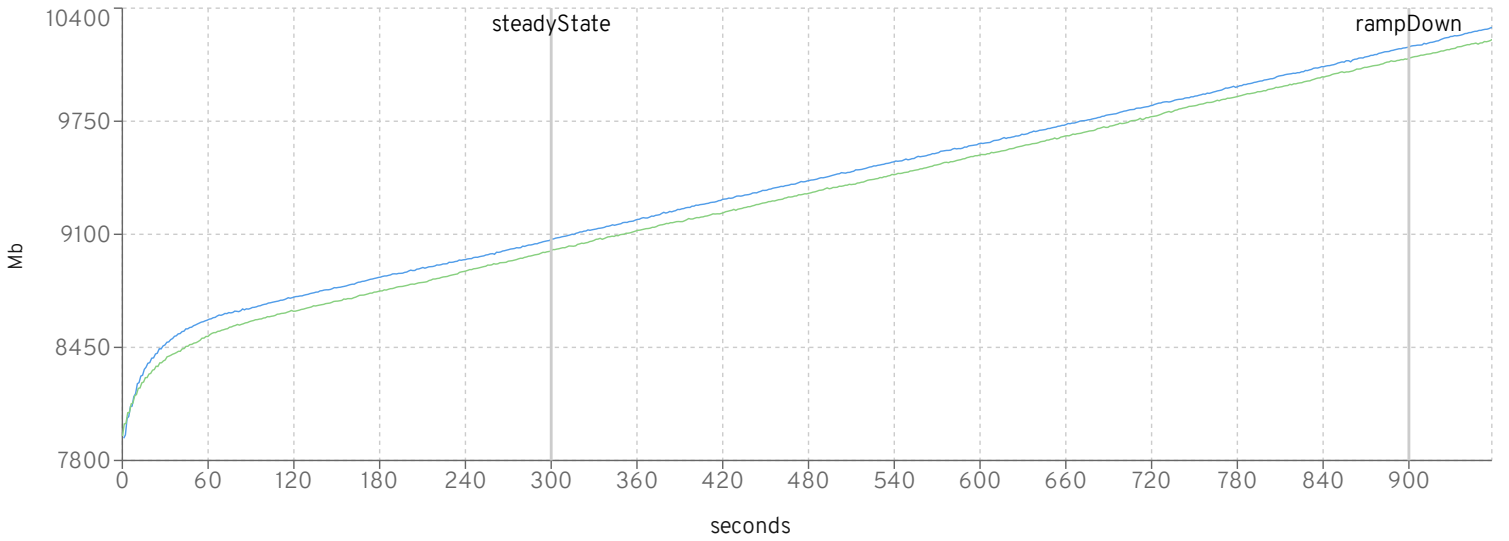
	Purchase				Manage				Browse			
	target	avg	min	max	target	avg	min	max	target	avg	min	max
jboss-eap-7.3.6.GA-CR1_2010_420_3000	9.757	9.756	0.003	50.021	9.765	9.764	0.006	50.058	9.778	9.777	0.007	50.04
jboss-eap-7.4.0.Beta-CR1_2010_421_3000	9.77	9.769	0.003	50.026	9.779	9.779	0.006	50.096	9.775	9.774	0.007	50.022

gc

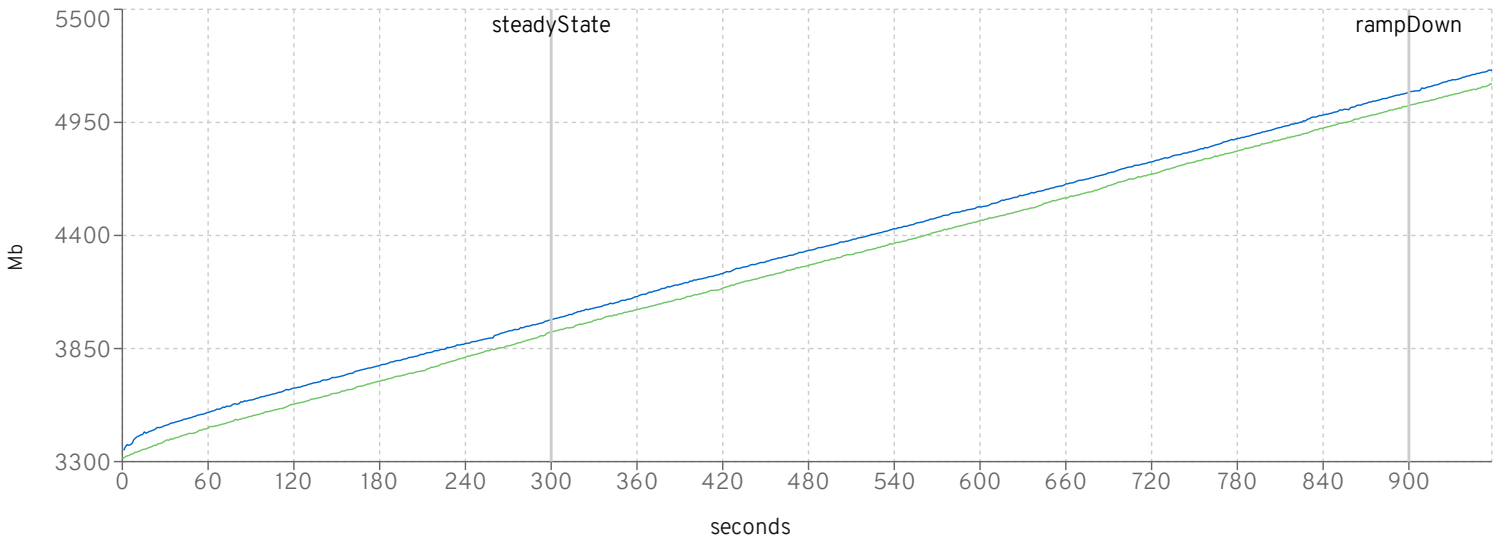
### GC duration



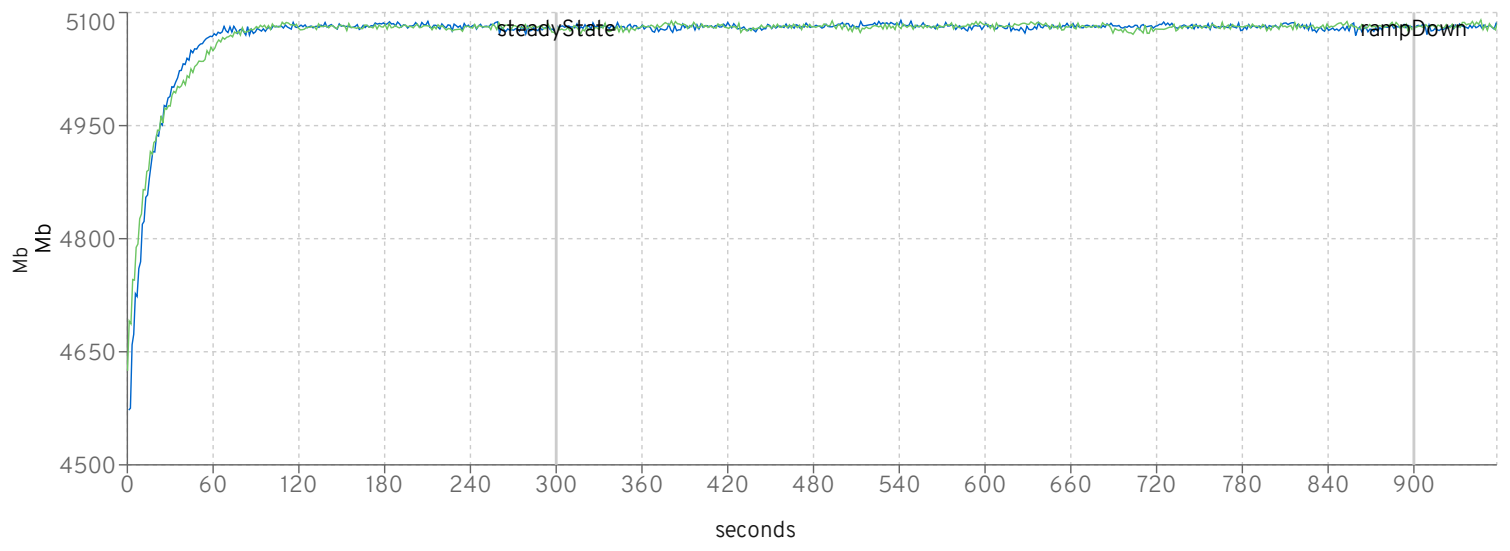
### Heap before GC



### Heap after GC

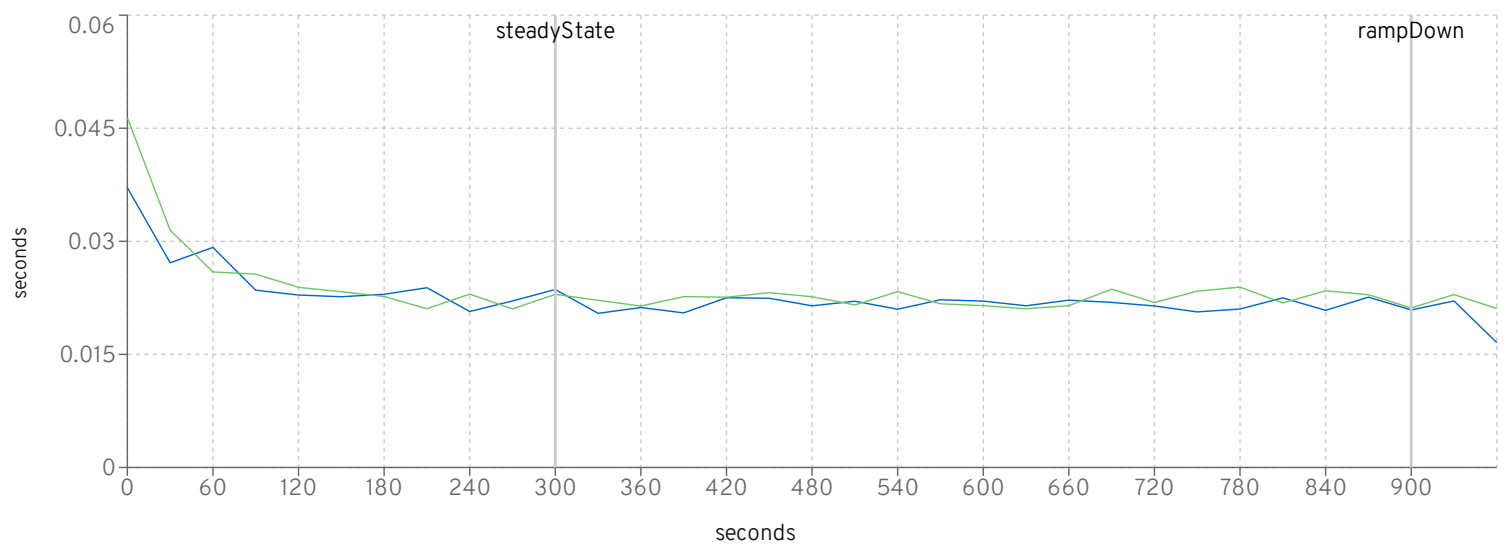


Heap freed in GC

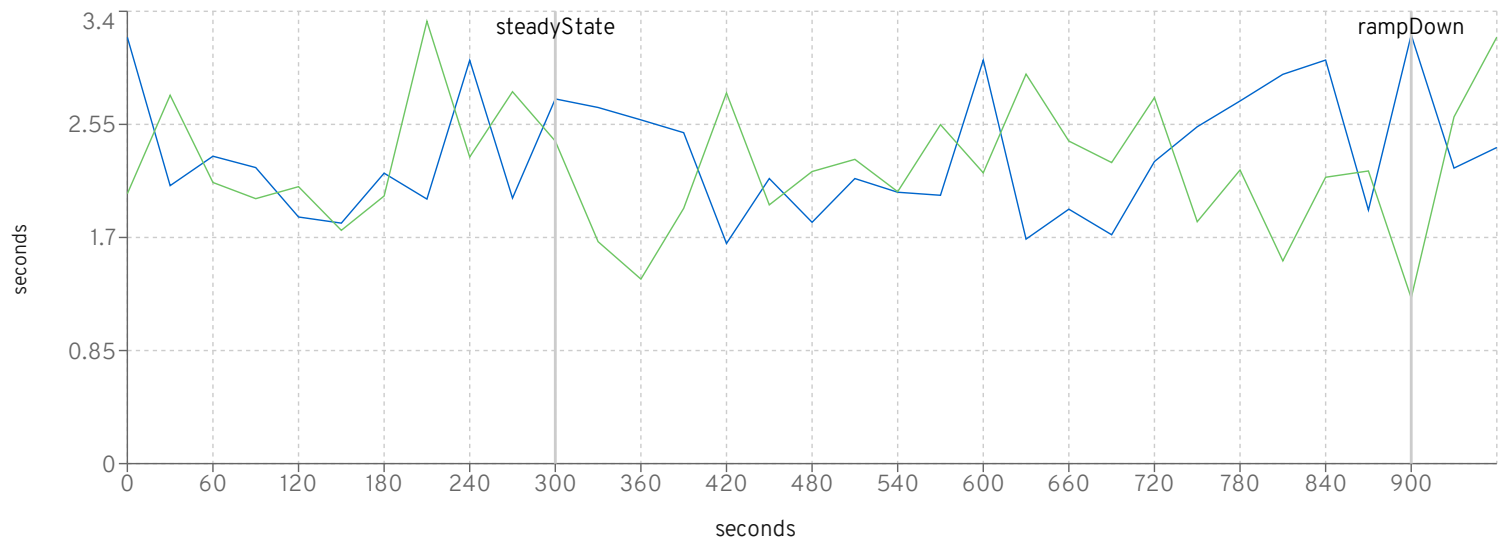


MfgDriver Response Times (seconds)

CreateVehicleEJB

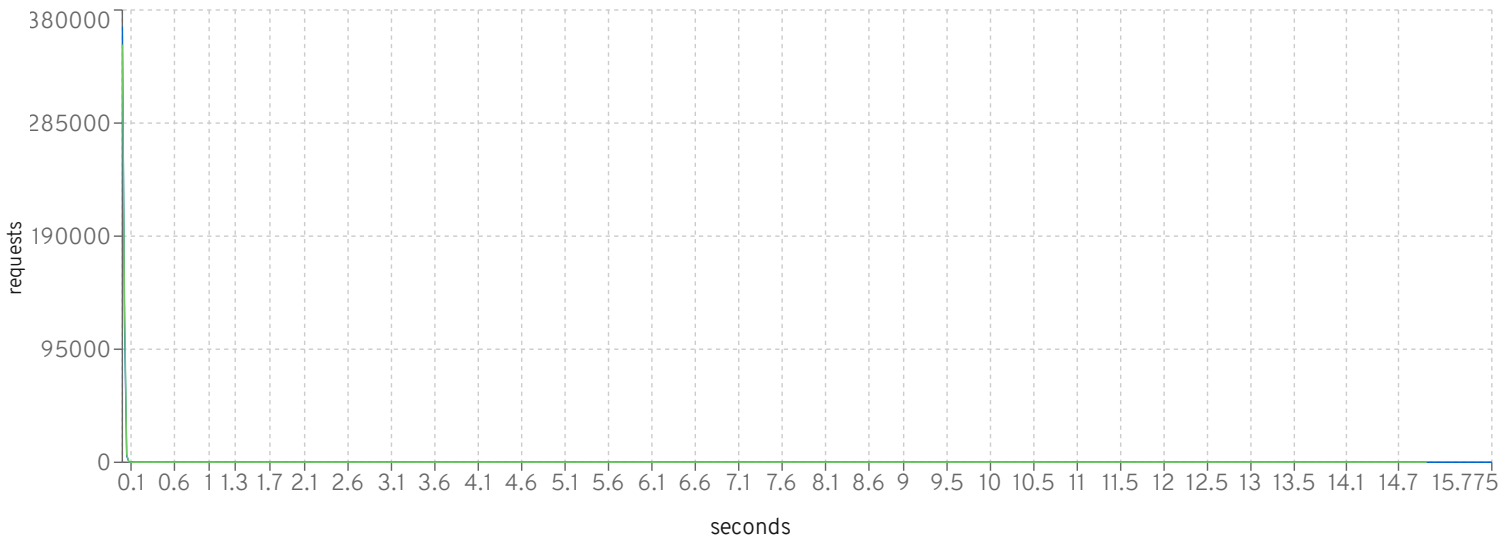


CreateVehicleWS



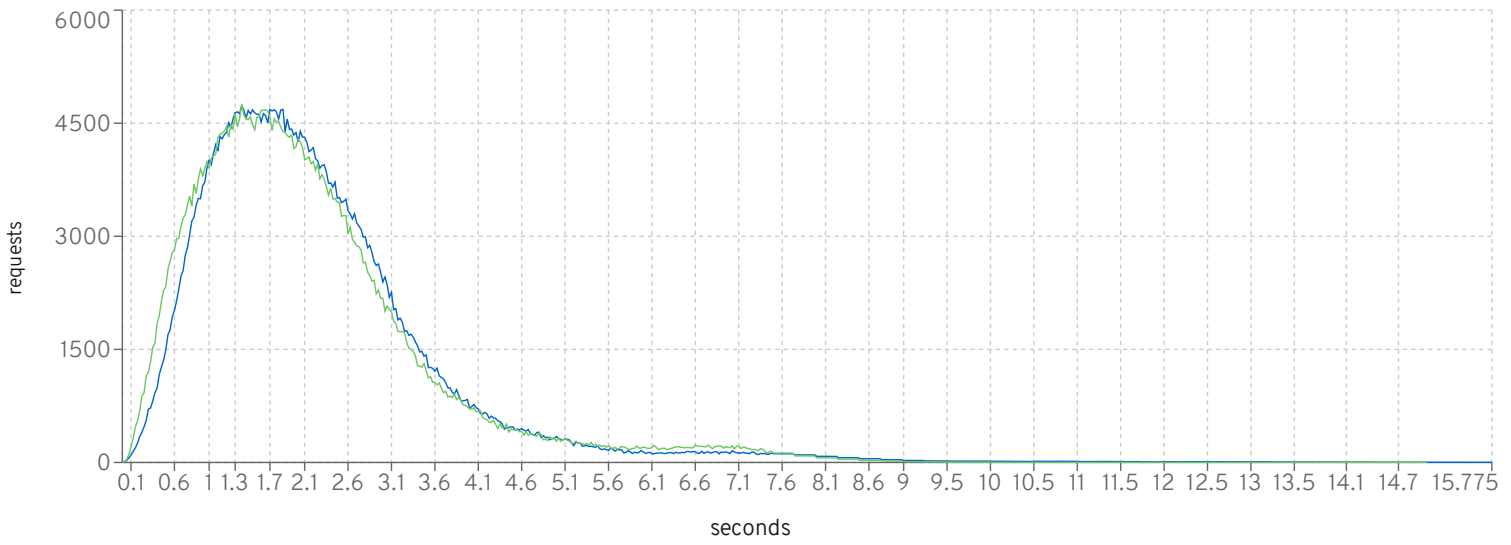
### MfgDriver Response Times Distribution

#### CreateVehicleEJB



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

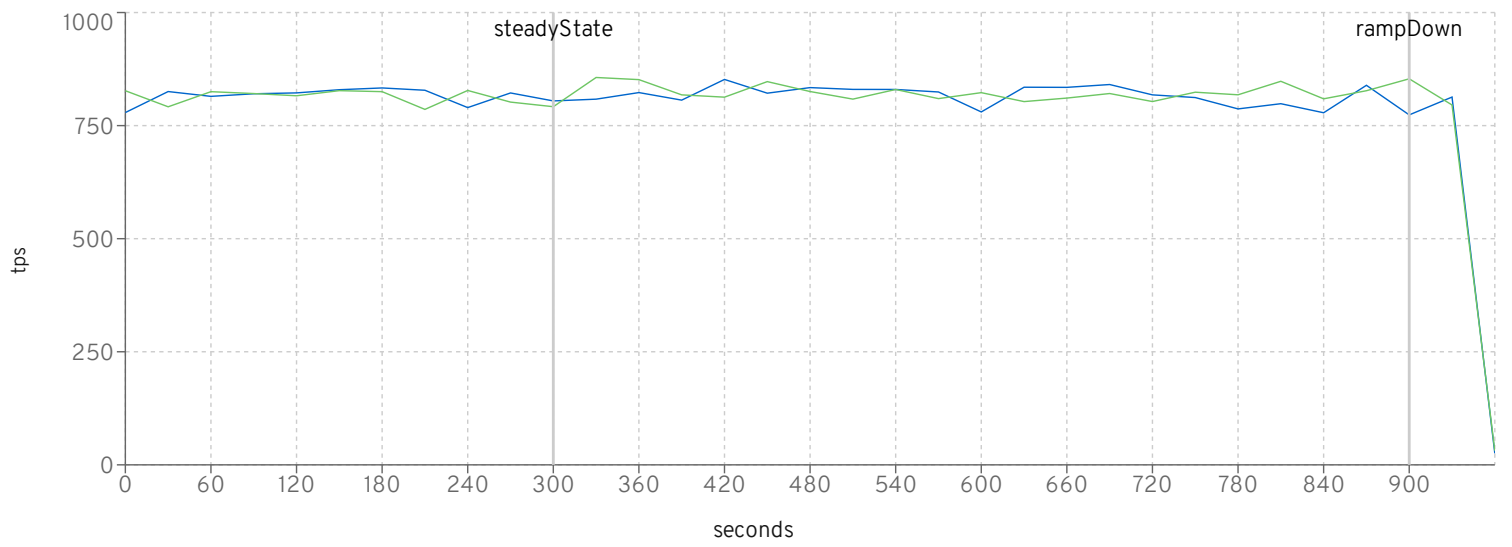
#### CreateVehicleWS



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

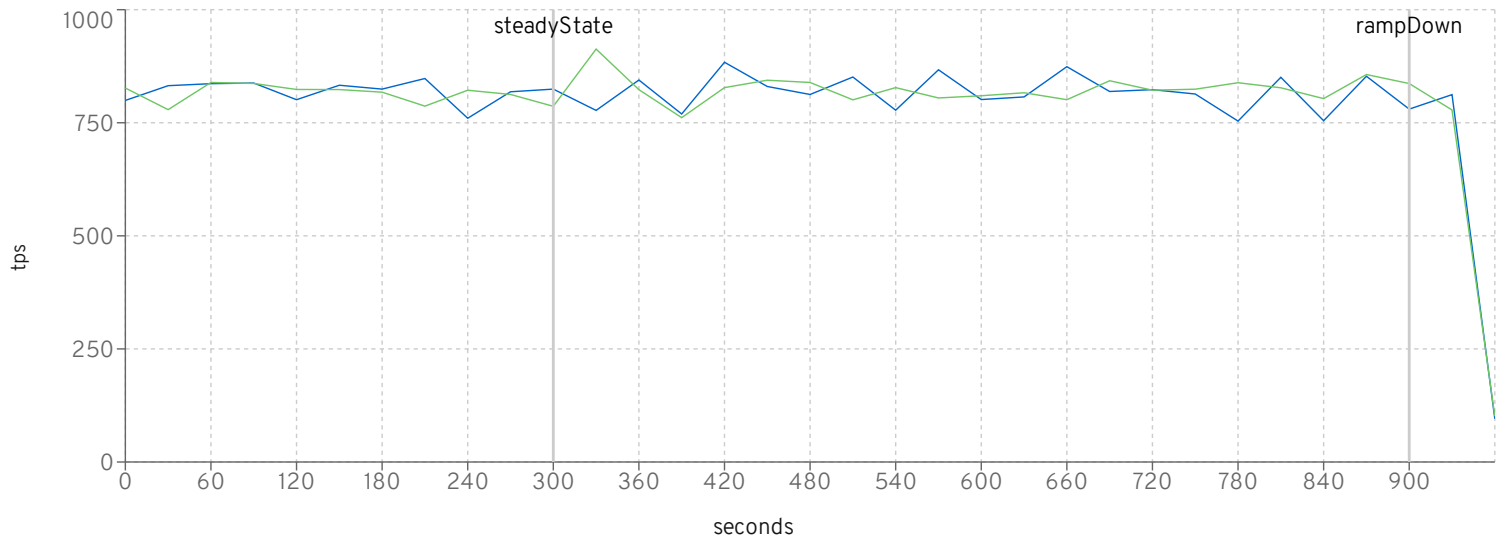
#### MfgDriver Throughput

### CreateVehicleEJB



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

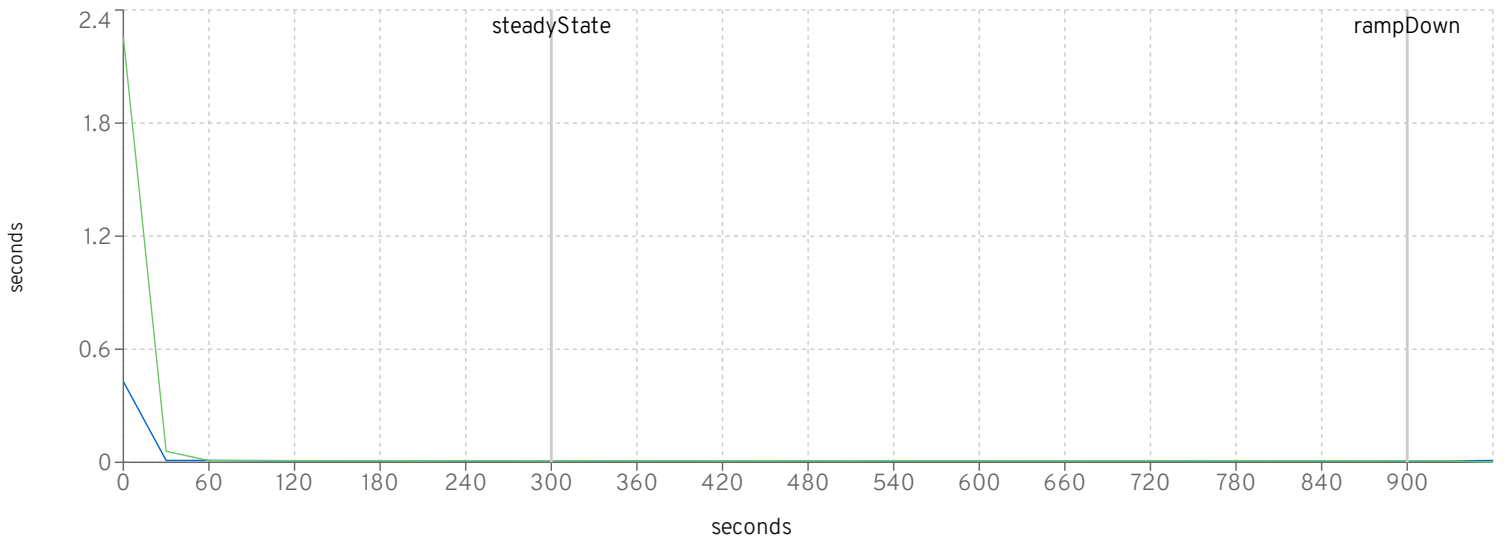
### CreateVehicleWS



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

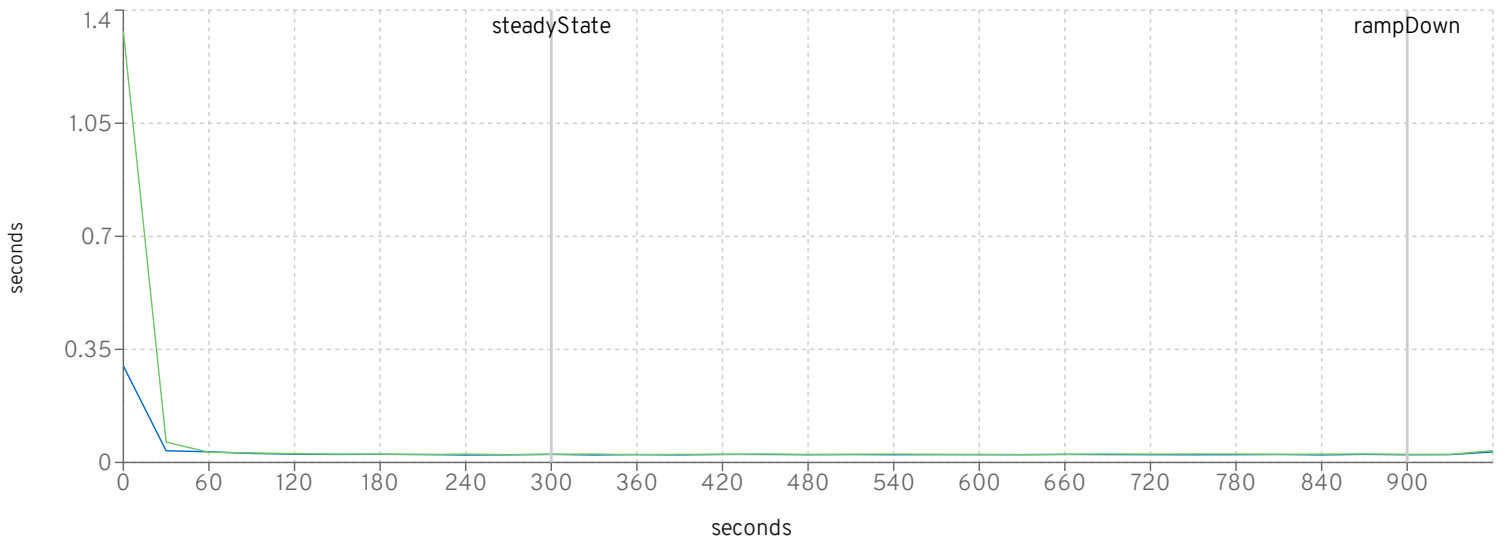
# DealerDriver Response Times (seconds)

## Purchase



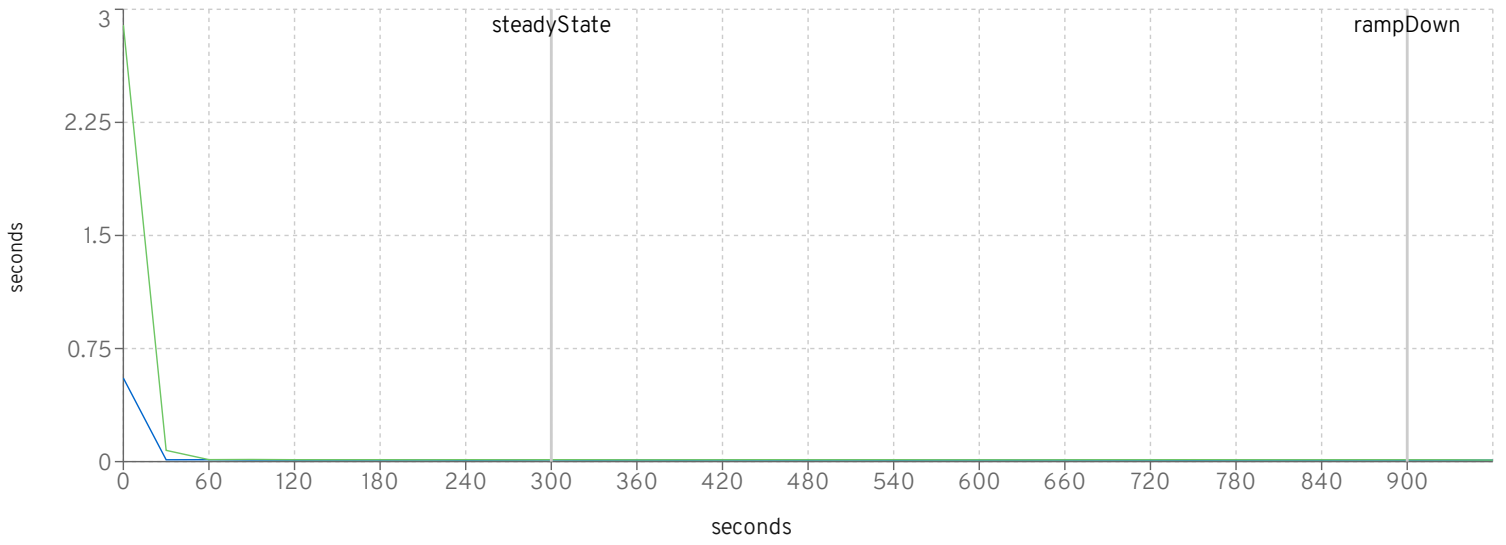
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

## Manage



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

## Browse

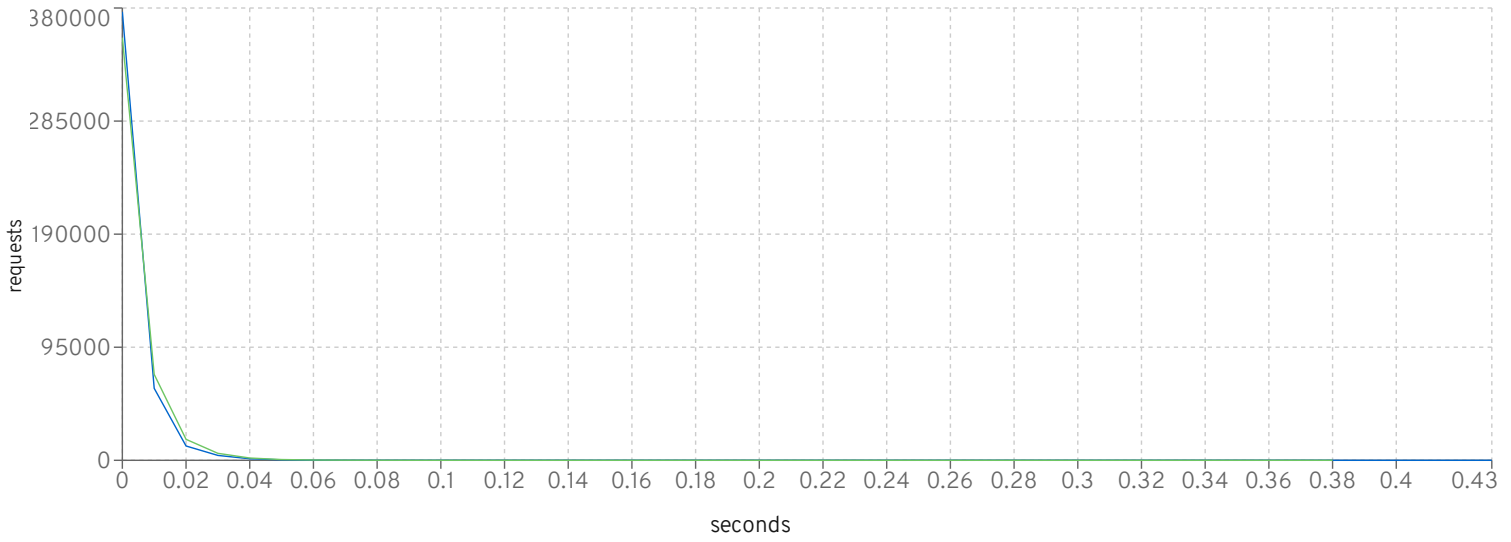


■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000



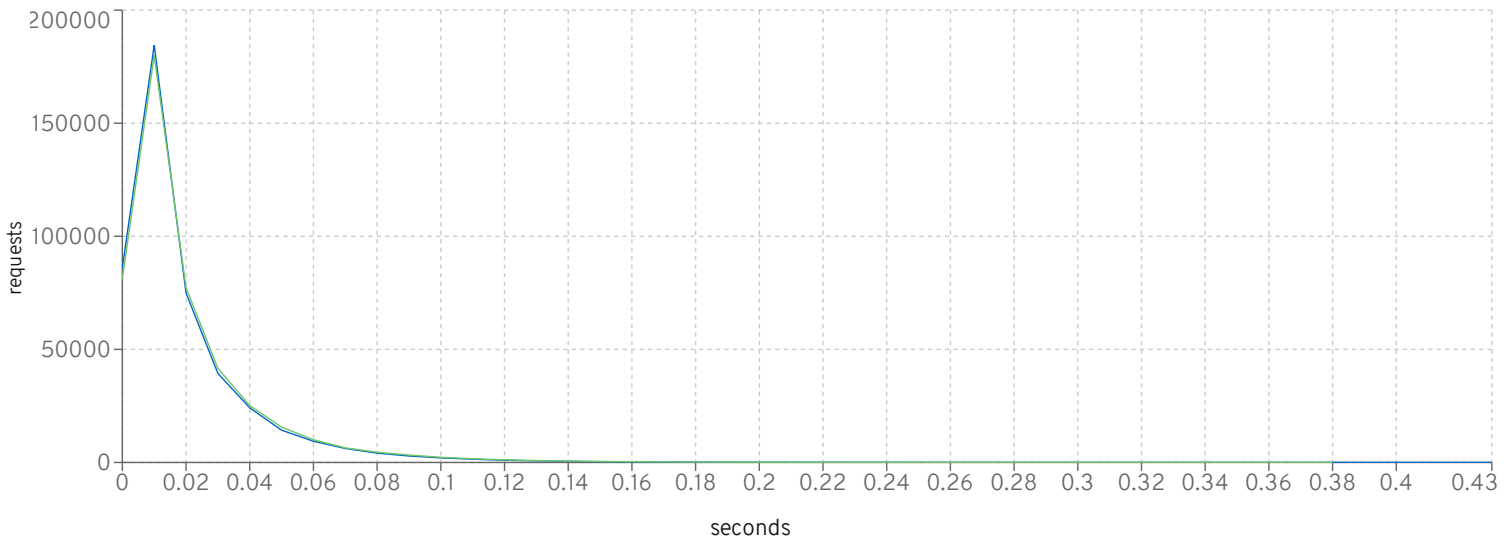
### DealerDriver Response Times Distribution

#### Purchase



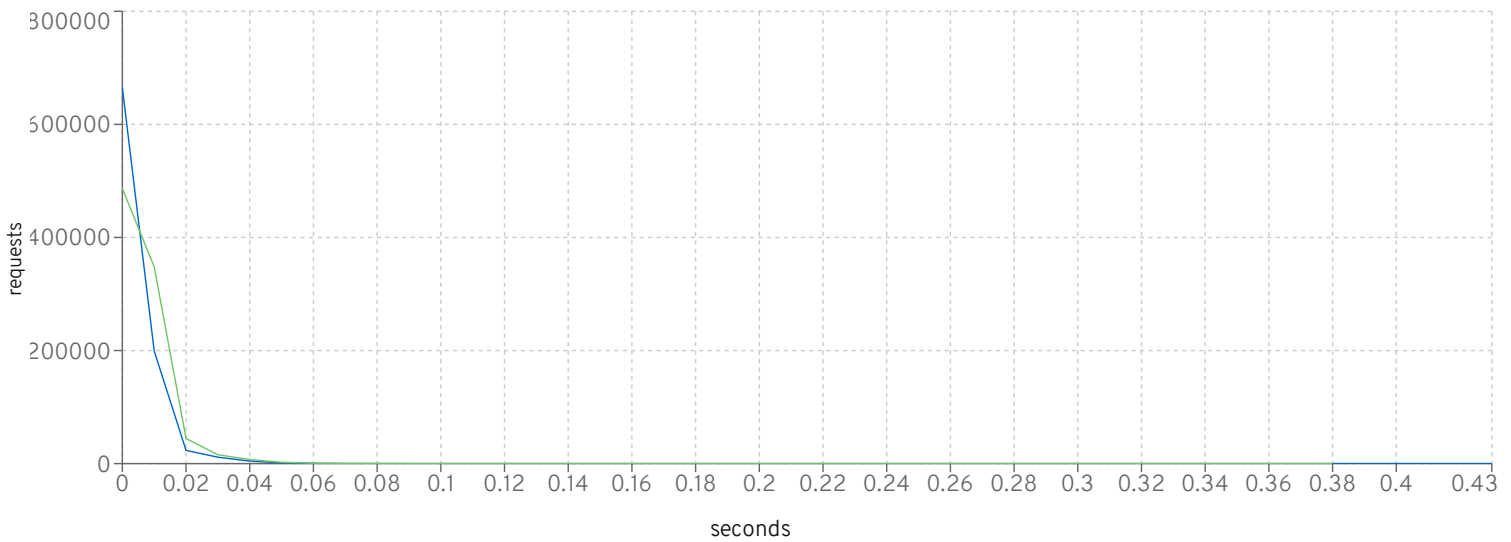
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

#### Manage



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

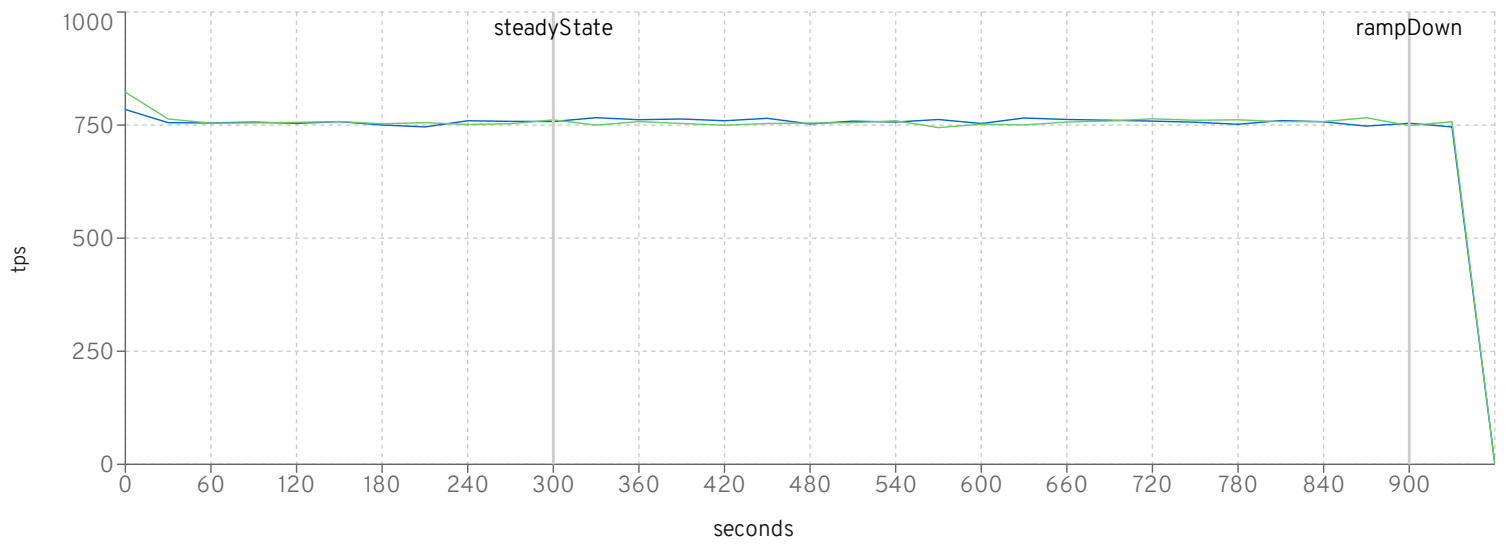
#### Browse



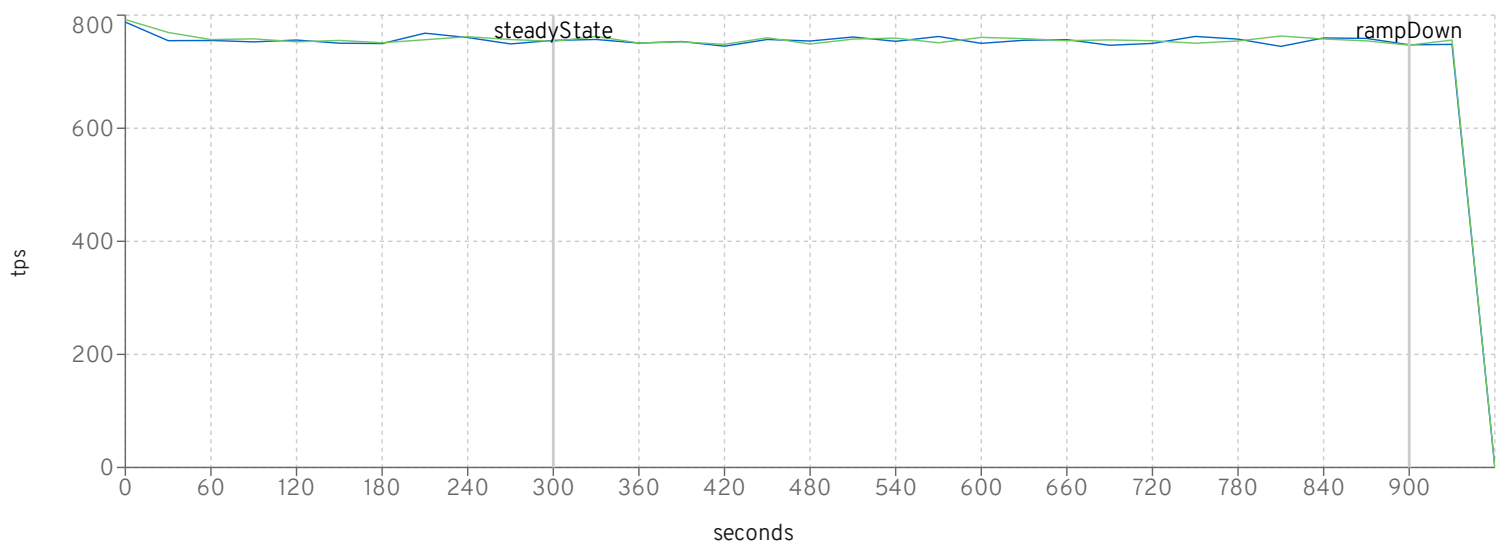
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

## DealerDriver Throughput

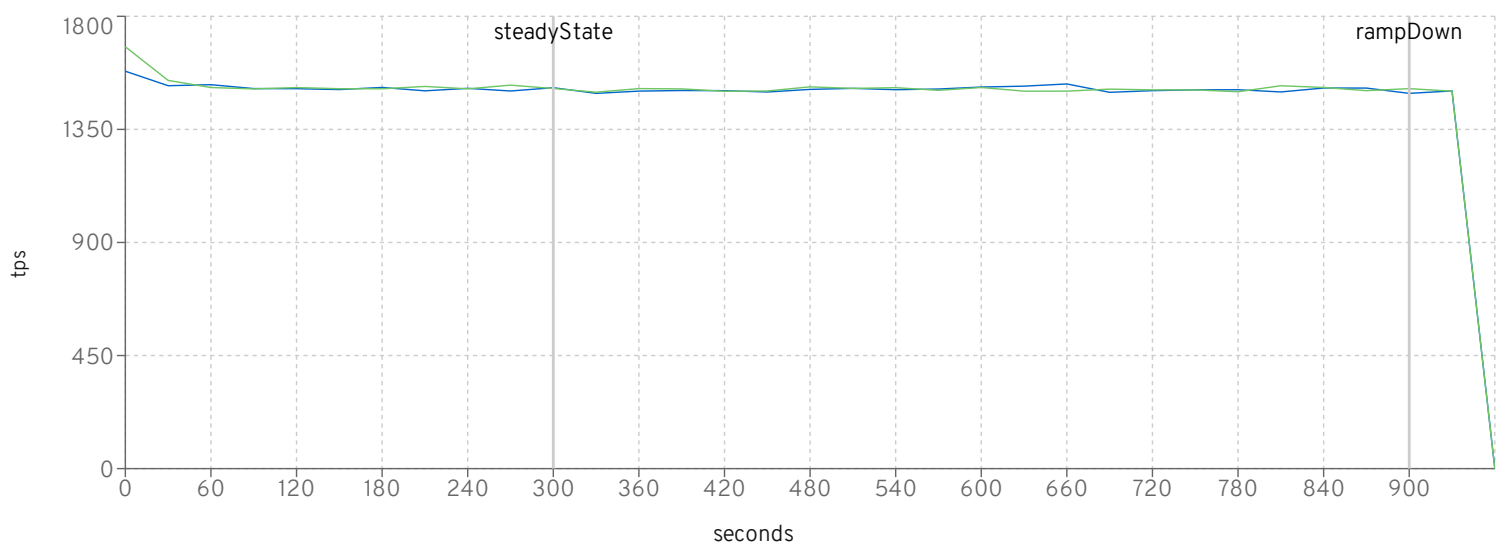
### Purchase



### Manage



### Browse

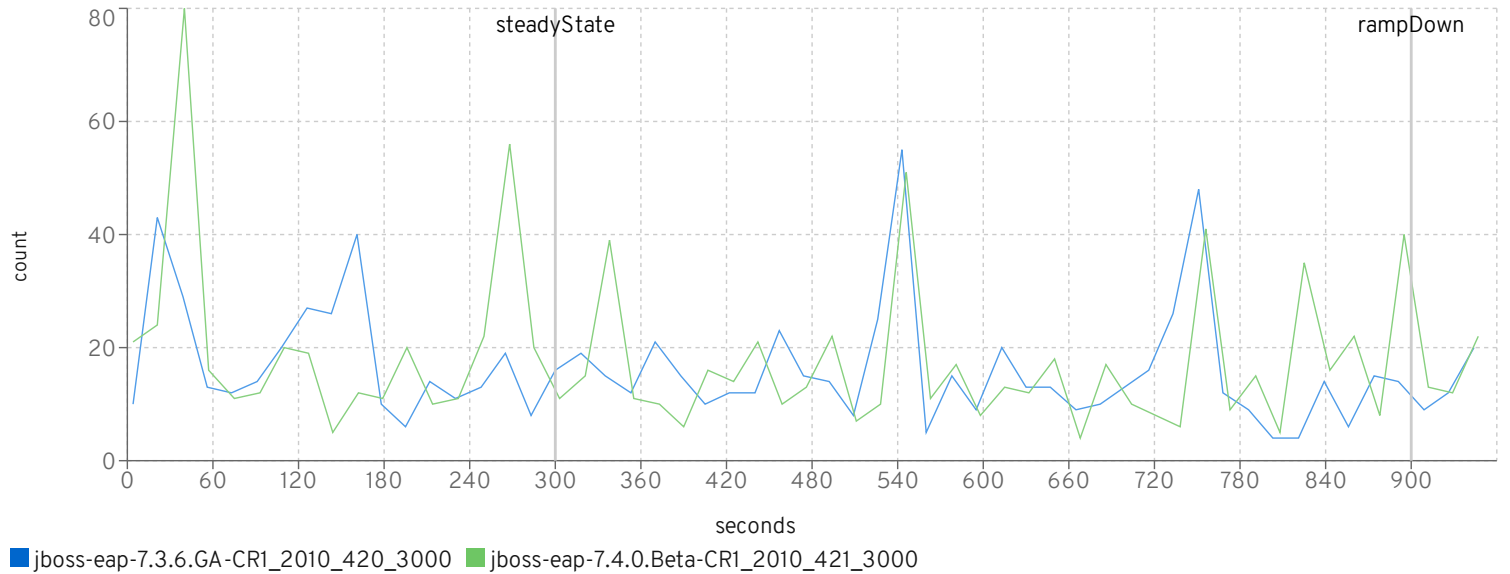


setting	420	421
scale	3000	3000
rampUp	300	300
steadyState	600	600
rampDown	60	60

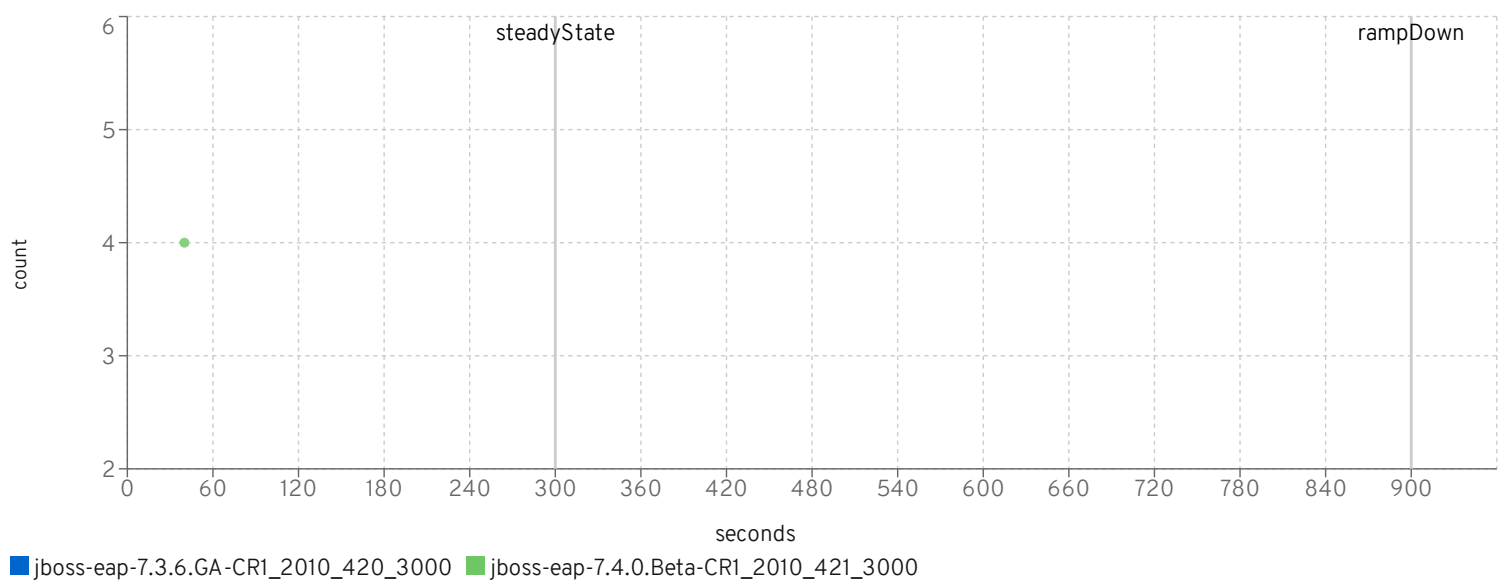
setting	420	421
max heap	12g	12g
large pages	✓	✓
jfr	✗	✗

io workers

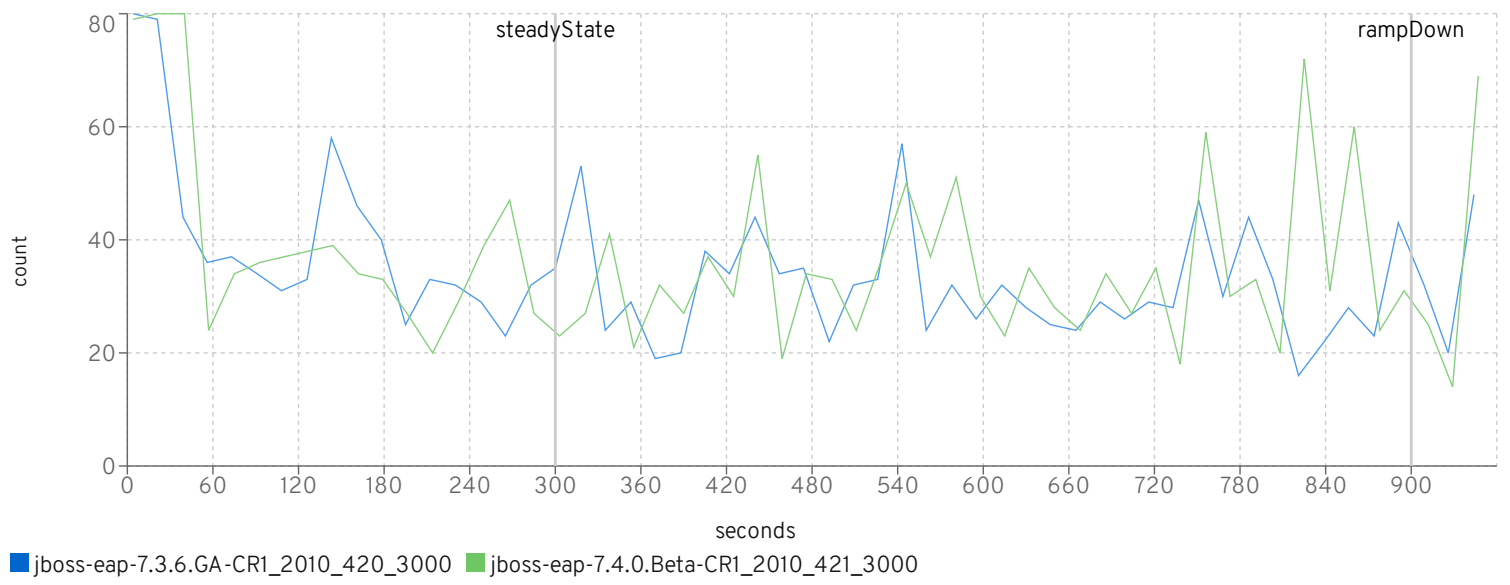
default threads



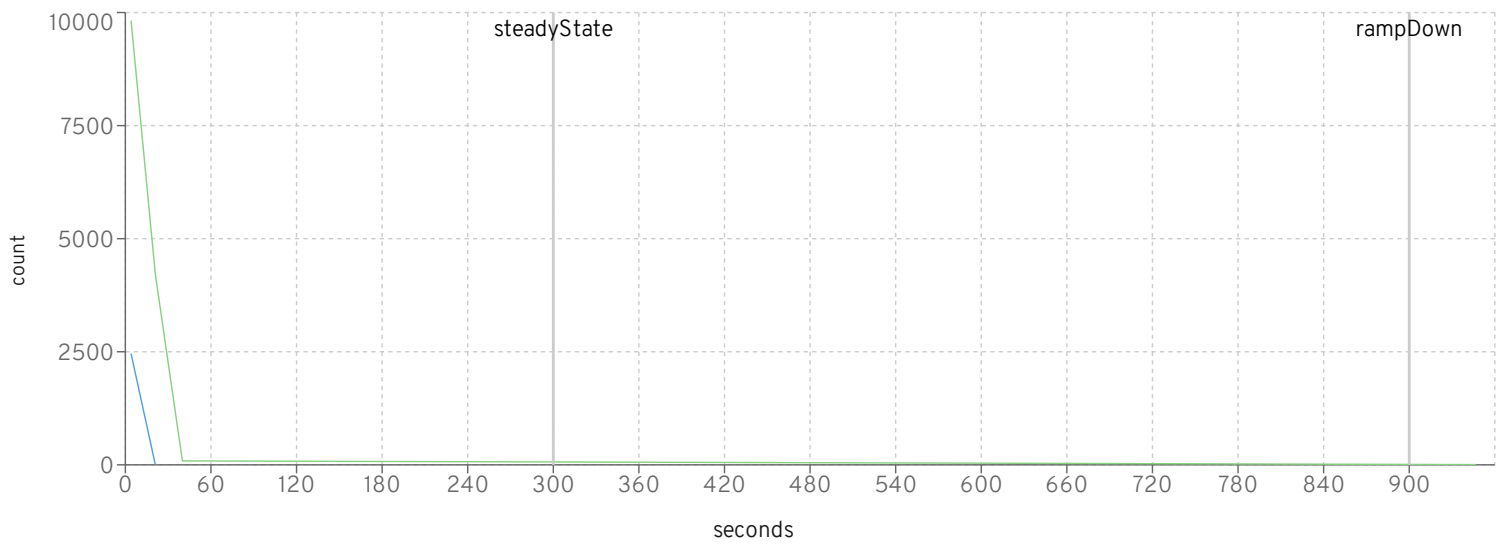
default queue



httpWorker threads

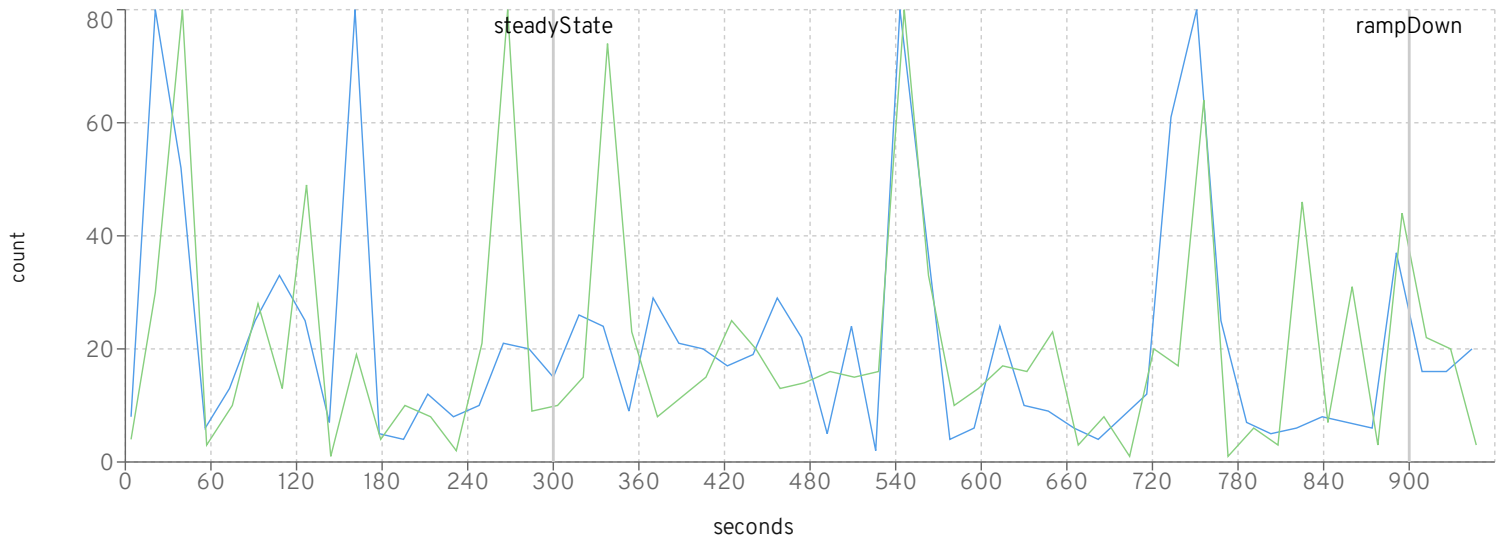


httpWorker queue



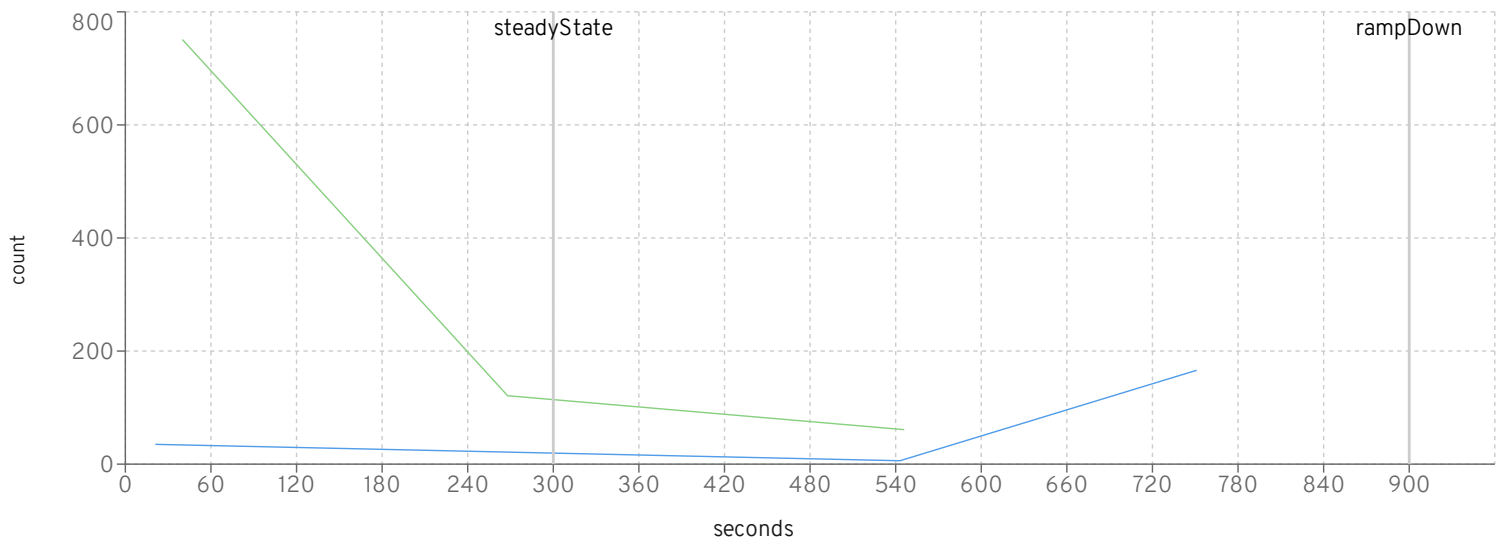
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

wsWorker threads



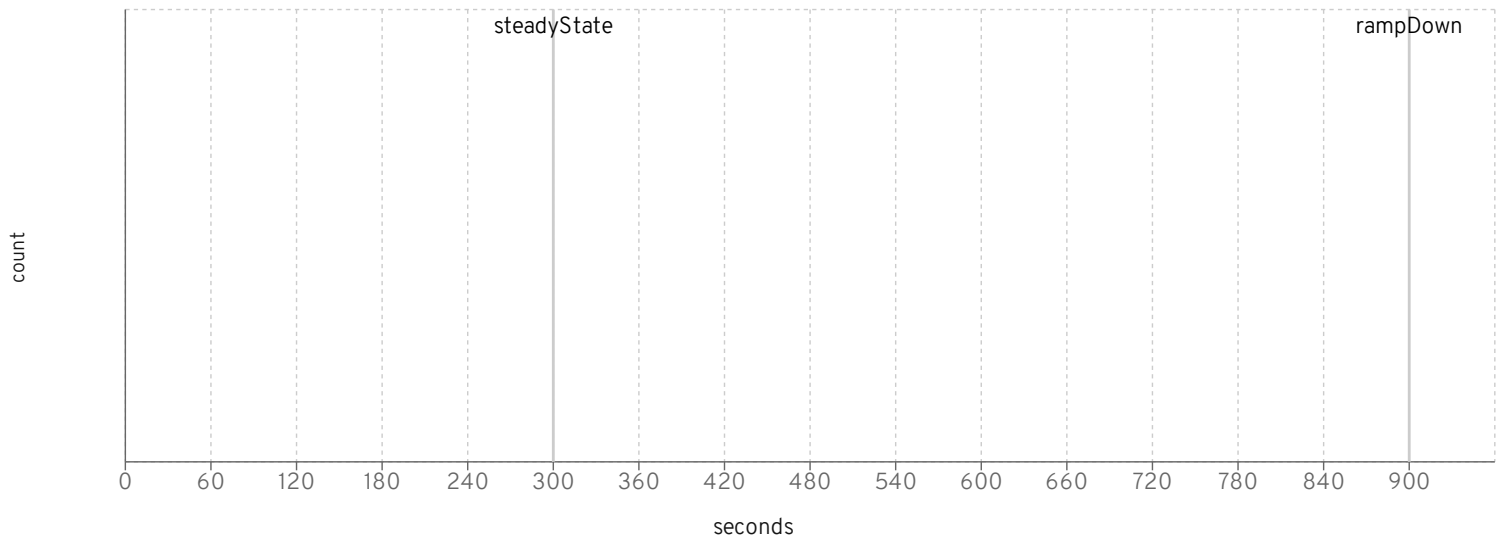
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

wsWorker queue



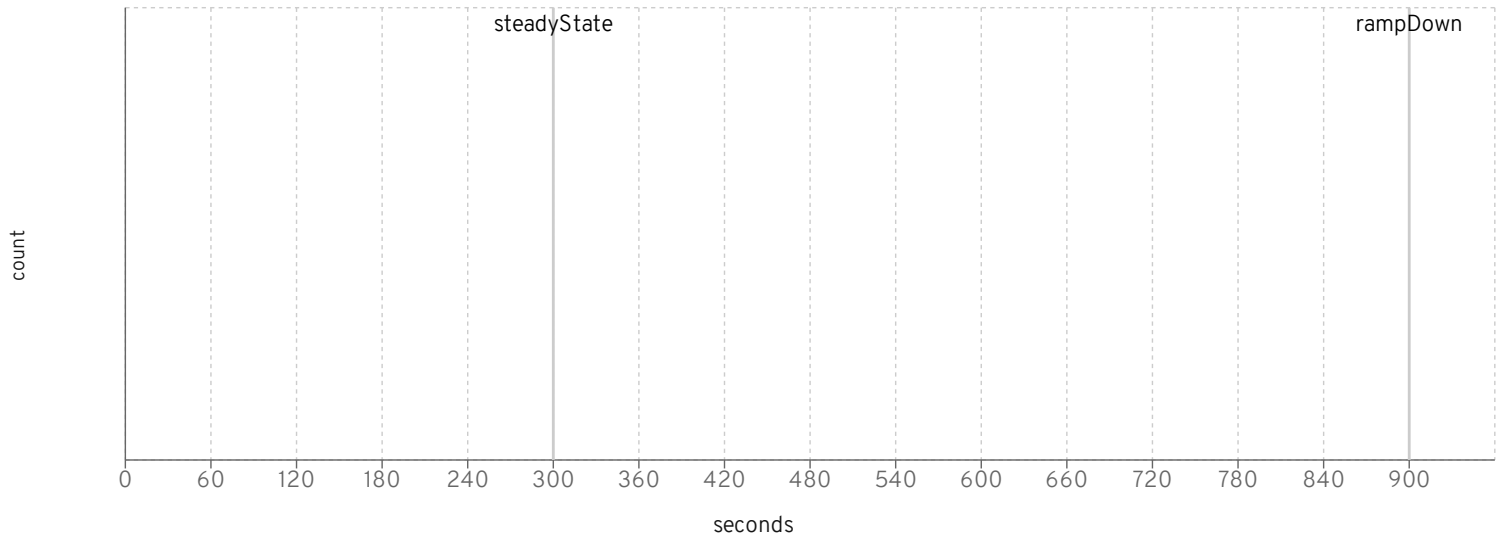
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

ejbWorker threads



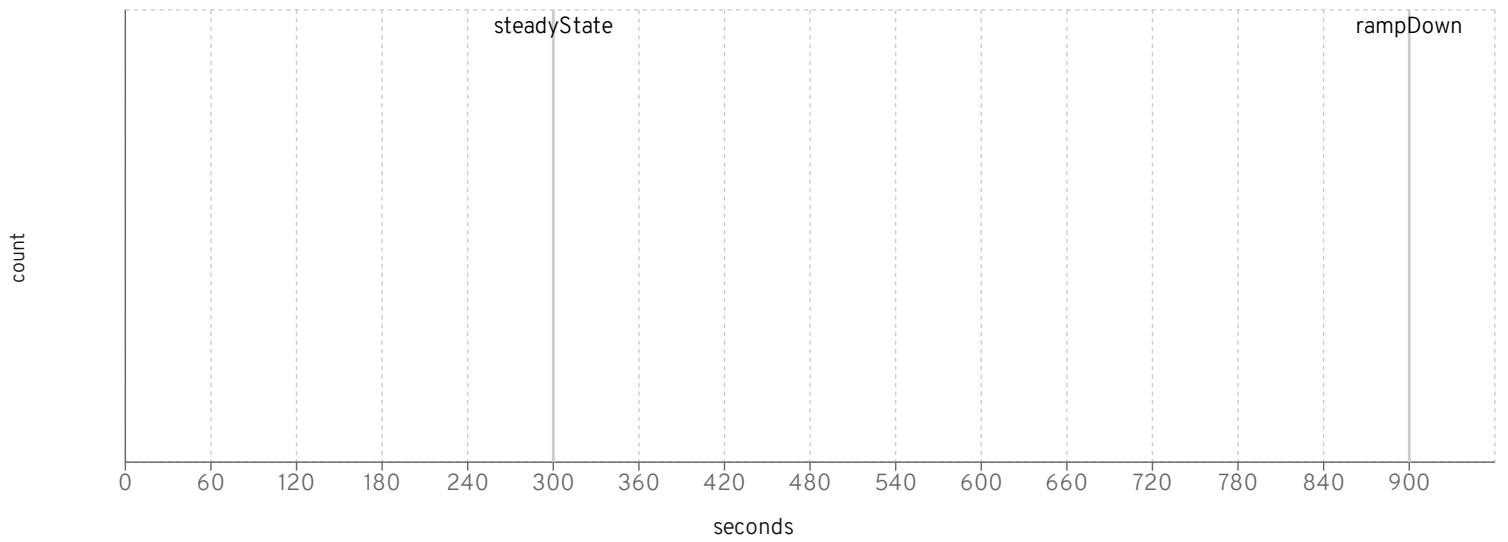
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

ejbWorker queue



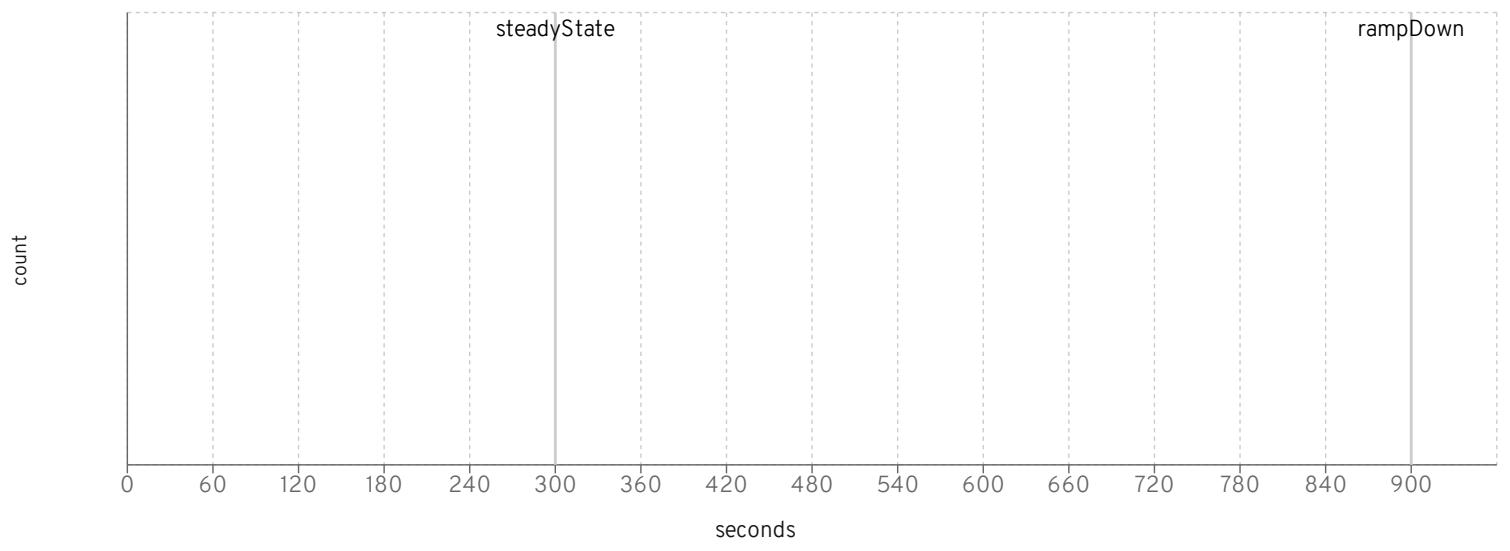
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

supplierWorker threads



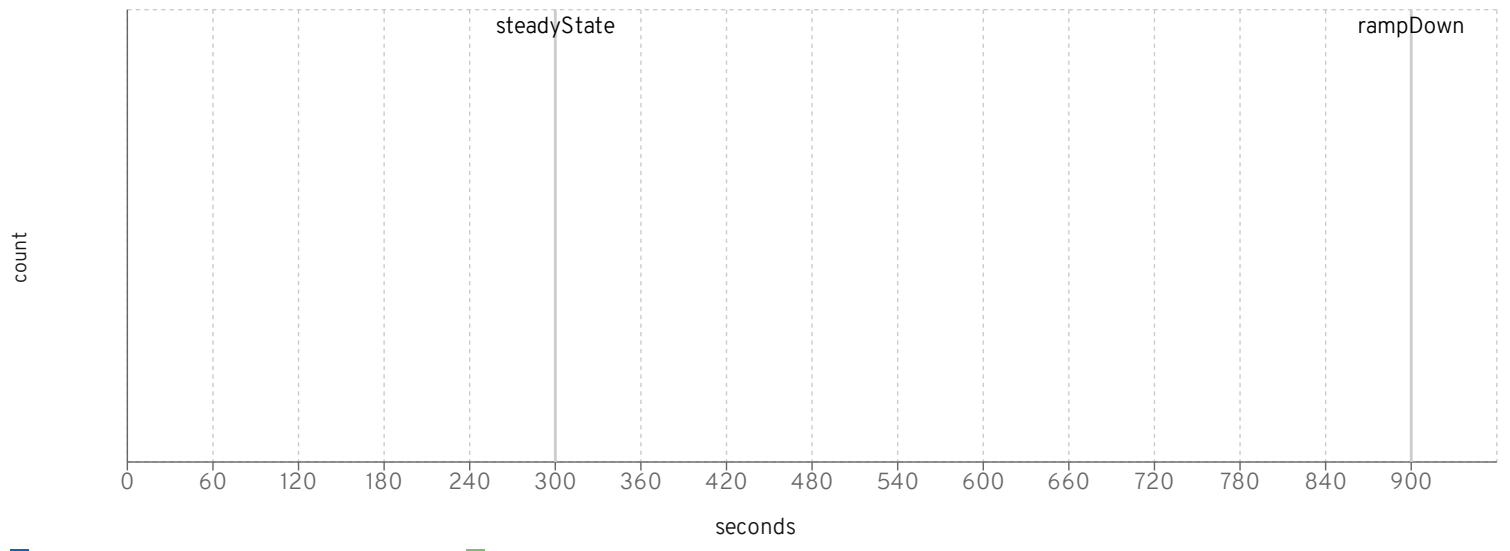
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

supplierWorker queue



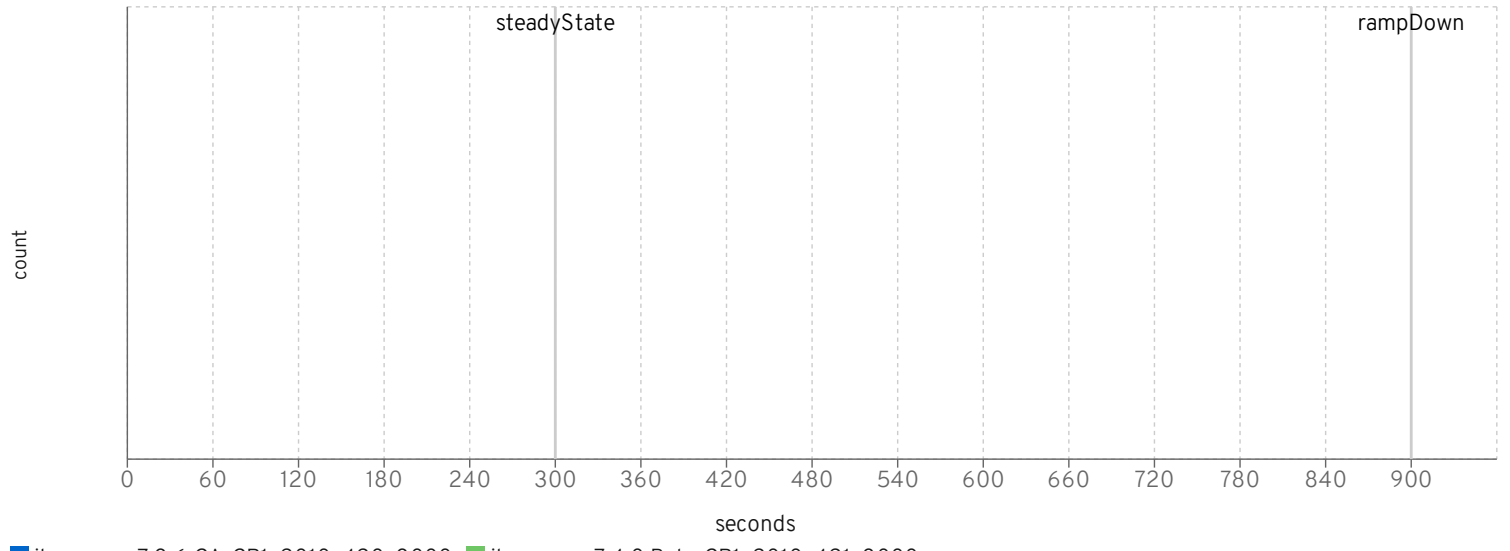
■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

dealerWorker threads



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000

dealerWorker queue



■ jboss-eap-7.3.6.GA-CR1\_2010\_420\_3000 ■ jboss-eap-7.4.0.Beta-CR1\_2010\_421\_3000