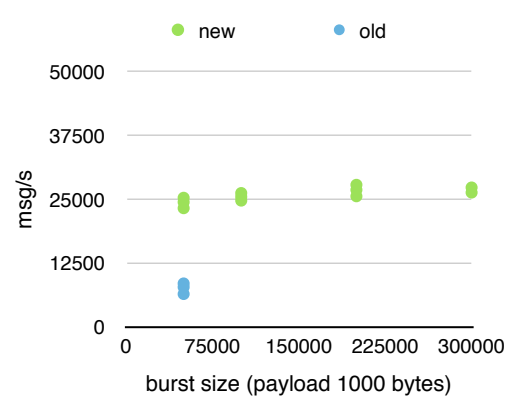
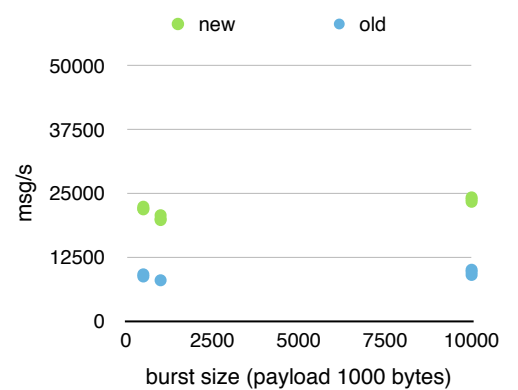
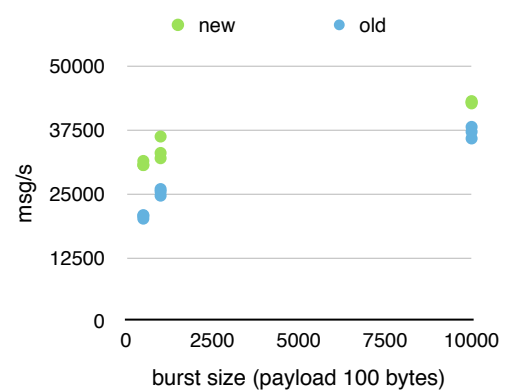
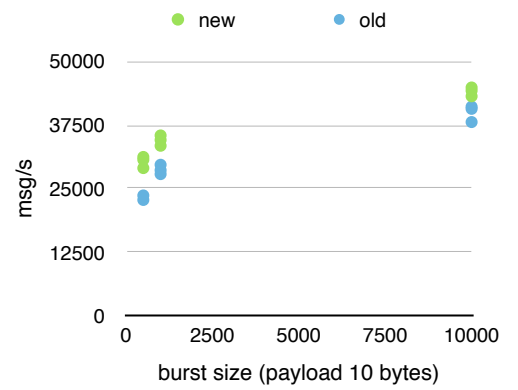


GCE same zone, 2000000 messages

payload size	burst size	new: msg/s	old: msg/s	new: max round-trip ms	old: max round-trip ms
10	500	31192	22762	156	166
10	500	29014	22699	158	246
10	500	30647	23639	150	197
10	1000	35410	28594	203	219
10	1000	33392	27829	212	308
10	1000	34526	29660	304	224
10	10000	44817	40633	817	780
10	10000	44197	38037	742	721
10	10000	43096	41052	775	901
100	500	30592	20750	189	152
100	500	31375	20063	136	158
100	500	30562	20595	178	207
100	1000	36166	25862	309	276
100	1000	32945	25387	211	275
100	1000	31914	24573	245	216
100	10000	42909	35790	709	877
100	10000	43110	37109	709	870
100	10000	42668	38058	727	744
1000	500	21776	8607	194	251
1000	500	22294	9027	277	241
1000	500	21916	8933	188	245
1000	1000	19923	7865	231	431
1000	1000	19678	7997	335	437
1000	1000	20623	7888	269	318
1000	10000	23735	8916	837	1553
1000	10000	24121	9511	936	1471
1000	10000	23261	9929	986	1220
1000	50000	24436	6404	2410	9387
1000	50000	23240	8475	2626	6739
1000	50000	25283	7767	2510	7124
1000	100000	24729	*	4764	*
1000	100000	25472	*	5376	*
1000	100000	26208	*	4449	*
1000	200000	25579	*	9332	*
1000	200000	27821	*	7857	*
1000	200000	26829	*	7796	*
1000	300000	26307	*	11797	*
1000	300000	26270	*	11824	*
1000	300000	27297	*	11751	*

* unreachable detected, remote watch, 100% cpu



```
GCE
n1-standard-2: 2 vCPU, 7.5 GB memory
debian-7
us-central1-b

sudo sysctl -w net.core.wmem_max=512000
sudo sysctl -w net.core.rmem_max=512000
sudo sysctl -w "net.ipv4.tcp_rmem= 128000 256000 512000"
sudo sysctl -w "net.ipv4.tcp_wmem= 128000 256000 512000"

iperf -c 10.240.154.20 -t 60
0.0-60.0 sec 9.52 GBytes 1.36 Gbits/sec

iperf      => 38 Mbytes/s in GCE Console
akka test => 23 MBytes/s in GCE Console

rtt min/avg/max/mdev = 0.516/0.683/0.895/0.102 ms

-Xms3G -Xmx3G -Xss1M -XX:MaxPermSize=128m -XX:ReservedCodeCacheSize=128m

java version "1.7.0_25"
OpenJDK Runtime Environment (IcedTea 2.3.10) (7u25-2.3.10-1~deb7u1)
OpenJDK 64-Bit Server VM (build 23.7-b01, mixed mode)
```