Broker	Machine	Node	Proc S Con	d/ Number s Partitions	Message Size(B)	Proc Throu (ms		Producer Throughput (MB/s)	Consumer Throughput (msgs/s)	Consumer Throughput (MB/s)	Latency (ms)	Broker	Machine	Nodes	Prod/ Cons	Message Size(B)	Producer Throughput (msgs/s)	Producer Throughput (MB/s)	Consumer Throughput (msgs/s)	Consumer Throughput (MB/s)	Latency (ms)	Broker	Machine	Nodes	Prod/ Cons	Message Size(B)	Producer Throughput (msgs/s)	Producer Throughput (MB/s)	Consumer Throughput (msgs/s)	Consumer Throughput (MB/s)	Latency (ms)
Kafka Test 13	e2-highcpu-8		1	1	500		157.9	64.0789	128137.5	64.0688	20.19	RabbitMQ Test 13	e2-highcpu-8	1	1	500	13853.7	6.9268	13849.5	6.9247	299.79	STAN Test 13	e2-highcpu-8	1	1	500	32125.4	16.0627	32122.6	16.0613	127.37
Test x	e2-highcpu-8 e2-highcpu-16	6 1	1	16 1	500 500	1270	65.1	63.5325	127035.9 SKIP	63.5179	22.03	Test x	e2-highcpu-16	1	1	500			SKIP			Test x	e2-highcpu-16	1	1	500			SKIP		
Test 15	e2-highcpu-16 e2-highcpu-8		1	16 1	500 1000	000	82.5	68.3826	SKIP 68364.0	68.3640	19.86	Test 15	e2-highcpu-8	1	1	1000	15210.5	15.2105	15206.5	15.2065	134.85	Test 15	e2-highcpu-8	1	1	1000	34538.8	34.5388	34530.4	34.5304	58.43
Test 17	e2-highcpu-8 e2-highcpu-16		1	16 1	1000		72.7 61.8	66.3727 86.2618	66391.3 86244.1	66.3913 86.2441	22.55 16.43	Test 17	e2-highcpu-16	1	1	1000	15689.8	15.6898	15685.1	15.6851	130.20	Test 17	e2-highcpu-16	1	1	1000	22244.5	22.2445	22242.7	22.2427	93.28
Test 16	e2-highcpu-16 e2-highcpu-8		1	16	1000 4000	851	09.6 07.4	85.1068 68.4295	85040.5 17097.0	85.0405 68.3880	17.93 19.93	Test 16	e2-highcpu-8		1	4000	7821.2	31.2847	7819.4	31.2777	67.01	Test 16	e2-highcpu-8		1	4000	10108.8	40.4353	10107.2	40.4288	51.40
Test 18	e2-highcpu-8 e2-highcpu-16	1	1	16	4000	167	00.9	66.8035 85.3565	16697.5 21335.3	66.7900 85.3411	23.27	Test 18	e2-highcpu-16			4000	7816.3	31 2651	7814.4	31 2577	67.32	Test 18	e2-highcou-16		1	4000	13577 4	54 3095	13573.8	54 2951	37.52
Iest 10	e2-highcpu-16		1	16	4000		70.6	76.7222	19177.1	76.7085	21.67	lest to	ez-nigncpu- ro	'		4000	7610.3	31.2031	7014.4	31.23//	67.32	1621.10	ez-nigricpu-re			4000	13577.4	54.3095	13573.6	54.2951	37.52
Test 3	e2-highcpu-8		3	1	500		714.5	66.8572 67.1072	467553.1	233.7766 247.4818	17.20	Test 3	e2-highcpu-8	1	3	500	8140.5	4.0703	24563.0	12.2815	488.15	Test 3	e2-highcpu-8	1	3	500	56431.1	28.2156	111891.8	55.9459	107.16
Test x	e2-highcpu-8 e2-highcpu-8	1	3	1	500 1000				494963.6 SKIP		23.19	Test x	e2-highcpu-8	1	3	1000			SKIP			Test x	e2-highcpu-8	1	3	1000			SKIP		
Test 22	e2-highcpu-8 e2-highcpu-8		3	1 16	4000 4000	176	93.7 16.1	70.7747 68.4646	85811.7 73628.1	343.2468 294.5126	13.44 41.93	Test 22	e2-highcpu-8	1	3	4000	1749.7	6.9987	6678.4	26.7136	1234.08	Test 22	e2-highcpu-8	1	3	4000	10884.5	43.5379	45037.9	180.1515	32.15
Test 21	e2-highcpu-16 e2-highcpu-16	6 1	3	1 16	4000 4000		08.9 86.6	89.6358 88.3464	92571.7 84384.9	370.2867 337.5394	12.35 30.15	Test 21	e2-highcpu-16	1	3	4000	1721.8	6.8873	6243.7	24.9748	1619.42	Test 21	e2-highcpu-16	1	3	4000	14538.1	58.1524	43534.3	174.1374	33.13
Test 11	e2-highcpu-8		5		500		31.9	66.3159	710031.6	355.0158	15.52	Test 11	e2-highcpu-8	1	5	500	4446.0	2.2230	32146.2	16.0731	653.59	Test 11	e2-highcpu-8	1	5	500	58570.7	29.2853	162601.3	81.3007	122.43
Test x	e2-highcpu-8 e2-highcpu-16	6 1	5 5	16 1	500 500	1341	151.8	67.0759	770033.7 SKIP	385.0168	35.16	Test x	e2-highcpu-16	1	5	500			SKIP			Test x	e2-highcpu-16	1	5	500			SKIP		
Test 12	e2-highcpu-16 e2-highcpu-8	1	5 5		500 1000		47.2	67.3472	SKIP 421311.1	421.3111	14.73	Test 12	e2-highcpu-8	1	5	1000			SKIP			Test 12	e2-highcpu-8	1	5	1000			SKIP		
Test 19	e2-highcpu-8 e2-highcpu-16	6 1	5	16 1	1000 1000	868	49.6 35.7	68.1496 86.8357	429399.4 481121.4	429.3994 481.1214	17.39 12.54	Test 19	e2-highcpu-16	1	5	1000			SKIP			Test 19	e2-highcpu-16	1	5	1000			SKIP		
Test 14	e2-highcpu-16 e2-highcpu-8	1	5	16	1000 4000	171	79.2 10.7	86.1792 68.4430	497185.1 115576.8	497.1851 462.3073	22.89 16.55	Test 14	e2-highcpu-8	1	5	4000	912.1	3.6485	5211.7	20.8467	6982.31	Test 14	e2-highcpu-8	1	5	4000	14940.4	59.7617	66564.4	266.2576	35.51
Test 20	e2-highcpu-8 e2-highcpu-16		5	1	4000 4000	174 218	20.2	69.6096 87.2809	117898.3 133633.3	471.5934 534.5332	137.75 14.23	Test 20	e2-highcpu-16	1	5	4000			SKIP			Test 20	e2-highcpu-16	1	5	4000	14938.8	59.7551	59350.3	237.4012	41.12
	e2-highcpu-16	6 1	5	16	4000	214	56.0	85.8241	144740.7	578.9628	26.29																				
Test 4	e2-highcpu-8 e2-highcpu-8	3	1	1 3	500 500	1009	63.6 900.3	30.6818 50.4501	61350.1 100887.4	30.6751 50.4437	35.73 23.67	Test 4	e2-highcpu-8	3	1	500	12237.3	6.1187	12233.8	6.1169	342.10	Test 4	e2-highcpu-8	3	1	500	34358.4	17.1792	34349.7	17.1748	126.56
Test x	e2-highcpu-8 e2-highcpu-16		1	16	500 500	1233	338.3	61.6692	123319.3 SKIP	61.6596	20.39	Test x	e2-highcpu-16	3	1	500			SKIP			Test x	e2-highcpu-16	3	1	500			SKIP		
Test 23	e2-highcpu-16 e2-highcpu-8	3	1	16	500 1000		10.3	34.9103	34903.2	34.9032	33.43	Test 23	e2-highcpu-8	3	1	1000	12375.3	12.3753	12371.2	12.3712	169.60	Test 23	e2-highcpu-8	3	1	1000	24945.3	24.9453	24939.9	24.9399	91.00
Test 27	e2-highcpu-8 e2-highcpu-16		1	16	1000		63.0	67.1687 49.9630	67148.3 49954.8	67.1483 49.9548	19.99 24.69	Test 27	e2-highcpu-16	3	1	1000	12034.8	12.0348	12031.5	12.0315	172.87	Test 27	e2-highcpu-16	3	1	1000	25693.9	25.6939	25685.2	25.6852	84.15
Text 24	e2-highcpu-16 e2-highcpu-8	3	1		1000 4000	103	35.3 47.7	89.7353 41.3908	89719.8 10345.4	89.7198 41.3815	15.13 28.54	Text 24	e2-highcpu-8	3	1	4000	7800.4	31.2016	7797.6	31.1904	65.68	Text 24	e2-highcpu-8	3	1	4000	6960.9	27.8436	6960.0	27.8400	105.56
Text 28	e2-highcpu-8 e2-highcpu-16		1	16 1	4000 4000	168 119	00.6 67.3	67.2025 47.8690	16796.3 11965.0	67.1852 47.8601	21.17 25.68	Text 28	e2-highcpu-16	3	1	4000	8215.8	32.8631	8213.7	32.8549	62.25	Text 28	e2-highcpu-16	3	1	4000	6856.8	27.4273	6855.1	27.4203	89.10
	e2-highcpu-16	6 3	1	16	4000	233		93.5544	23384.1	93.5362	15.30																				
Test 1	e2-highcpu-8 e2-highcpu-8		3	1 3	500 500		066.8 349.5	63.0334 50.6747	363508.9 505127.5	181.7545 252.5637	22.88 15.29	Test 1	e2-highcpu-8	3	3	500	7240.0	3.6200	21417.2	10.7086	588.85	Test 1	e2-highcpu-8	3	3	500	38208.2	19.1041	142288.6	71.1443	93.29
Test 2	e2-highcpu-8 e2-highcpu-16		3	16	500 500		248.3 378.6	66.1242 71.8393	448145.5 400619.2	224.0727 200.3096	16.83 20.61	Test 2	e2-highcpu-16	3	3	500	8077.8	4 0389	23624.5	11 8122	530.60	Test 2	e2-highcou-16	3	3	500	41174 0	20 5870	154256.2	77 1281	85 50
	e2-highcpu-16		3	3	500	1240	75.4	62.0377	622157.2 545864.8	311.0786 272.9324	12.03																				
Test 5	e2-highcpu-8	3	3	1	1000	627	52.3	62.7523	161672.9	161.6729	25.63	Test 5	e2-highcpu-8	3	3	1000	5955.3	5.9553	20960.7	20.9607	317.25	Test 5	e2-highcpu-8	3	3	1000	20385.1	20.3851	78005.6	78.0056	91.47
	e2-highcpu-8 e2-highcpu-8		3	3 16	1000 1000	511 671		51.1950 67.1375	262338.5 231371.7	262.3385 231.3717	15.08 17.10																				
Test 6	e2-highcpu-16 e2-highcpu-16		3	1 3	1000	750	65.8 40.5	75.0658 63.1405	200711.7 331587.2	200.7117 331.5872	20.40	Test 6	e2-highcpu-16	3	3	1000	6021.8	6.0218	21267.1	21.2671	280.24	Test 6	e2-highcpu-16	3	3	1000	22459.1	22.4591	95949.0	95.9490	72.91
	e2-highcpu-16	6 3	3	16	1000	1046	342.1	104.6421	299147.5	299.1475	14.09																				
Test 25	e2-highcpu-8 e2-highcpu-8		3	1 16	4000 4000		81.8 24.5	66.7240 68.8979	48707.1 64836.1	194.8285 259.3444	21.88 23.90	Test 25	e2-highcpu-8	3	3	4000	2392.8	9.5712	9738.2	38.9528	460.68	Test 25	e2-highcpu-8	3	3	4000	6346.1	25.3845	18905.5	75.6221	109.14
Test 29	e2-highcpu-16	6 3	3	1 16	4000 4000	206		82.4070 107.6305	62298.7 74593.2	249.1949 298.3727	17.04 16.70	Test 29	e2-highcpu-16	3	3	4000	2361.9	9.4474	9252.9	37.0116	569.70	Test 29	e2-highcpu-16	3	3	4000	7054.3	28.2172	19177.1	76.7084	93.03
Test x	e2-highcpu-8		5	1	500				SKIP			Test x	e2-highcpu-8	3	5	500			SKIP			Test x	e2-highcpu-8	3	5	500			SKIP		
Test x	e2-highcpu-8 e2-highcpu-16		5	16	500 500				SKIP			Test x	e2-highcpu-16	3	5	500			SKIP			Test x	e2-highcpu-16	3	5	500			SKIP		
	e2-highcpu-16	6 3	5	16	500				SKIP																						
Test x	e2-highcpu-8 e2-highcpu-8		5	1 16	1000 1000				SKIP			Test x	e2-highcpu-8	3	5	1000			SKIP			Test x	e2-highcpu-8	3	5	1000			SKIP		
Test x	e2-highcpu-16 e2-highcpu-16		5	1 16	1000				SKIP			Test x	e2-highcpu-16	3	5	1000			SKIP			Test x	e2-highcpu-16	3	5	1000			SKIP		
Test y	e2-highcpu-8	3	5	1	4000				SKIP			Test y	e2-highcpu-8	3	5	4000	1210.4	4.8415	6637.4	26.5497	6723.47	Test y	e2-highcpu-8	3	5	4000			SKIP		
Test 26	e2-highcpu-8 e2-highcpu-16		5		4000 4000	213	09.3	85.2370	SKIP 98684.8	394.7391	18.81	Test 26	e2-highcpu-16	3	5	4000	1224.9	4.8994	7154.3	28.6172	6595.65	Test 26	e2-highcpu-16	3	5	4000	7347.7	29.3907	31364.3	125.4574	133.51
.00. 20	e2-highcpu-16		5		4000	268		107.5442	118766.1	475.0645	28.23	.601.20	oz mgriopu-10	,	3	-000	1224.0	0004	. 104.0	20.0112		.031 20	oz ingliopu-10		,	4000		20.0001	0.004.0	120.4014	100.01

st 30	e2-highcpu-8	5	1	1	500	64372.3	32.1861	64359.5	32.1798	35.21	Test 30	e2-highcpu-8	5	1	500	13315.0	6.6575	13311.3	6.6556	308.65	Test 30	e2-highcpu-8	5	1	500	39008.1	19.5041	38998.9	19.4995	121.32
	e2-highcpu-8	5	1	16	500	145699.7	72.8499	145663.4	72.8317	15.69																				
t x	e2-highcpu-16	5	1	1	500			SKIP			Test x	e2-highcpu-16	5	1	500			SKIP			Test x	e2-highcpu-16	5	1	500			SKIP		
	e2-highcpu-16	5	1	16	500			SKIP																						
31	e2-highcpu-8	5	1	1	1000	35592.8	35.5928	35583.5	35.5835	31.90	Test 31	e2-highcpu-8	5	1	1000	12434.0	12.4340	12430.7	12.4307	165.74	Test 31	e2-highcpu-8	5	1	1000	23698.1	23.6981	23690.3	23.6903	89.93
	e2-highcpu-8	5	1	16	1000	74514.1	74.5141	74484.9	74.4849	16.99																				
33	e2-highcpu-16	5	1	1	1000	42678.6	42.6786	42671.1	42.6711	27.32	Test 33	e2-highcpu-16	5	1	1000	15363.9	15.3639	15359.9	15.3599	133.94	Test 33	e2-highcpu-16	5	1	1000	30541.9	30.5419	30532.8	30.5328	69.79
	e2-highcpu-16	5	1	16	1000	90449.9	90.4499	90424.9	90.4248	14.03																				
st 32	e2-highcpu-8	5	1	1	4000	9639.7	38.5588	9637.2	38.5488	30.32	Test 32	e2-highcpu-8	5	1	4000	8512.2	34.0489	8510.3	34.0410	59.83	Test 32	e2-highcpu-8	5	1	4000	6690.5	26.7622	6688.4	26.7536	86.61
	e2-highcpu-8	5	1	16	4000	18112.1	72.4485	18105.6	72.4223	18.26																				
st 34	e2-highcpu-16	5	1	1	4000	10379.5	41.5178	10376.6	41.5064	28.60	Test 34	e2-highcpu-16	5	1	4000	9402.5	37.6102	9400.3	37.6013	53.91	Test 34	e2-highcpu-16	5	1	4000	7027.5	28.1102	7025.9	28.1034	78.60
	e2-highcpu-16	5	1	16	4000	23270.7	93.0829	23264.7	93.0586	14.21																				
est 7	e2-highcpu-8	5	3	1	500	133199.9	66.6000	319511.1	159.7556	25.74	Test 7	e2-highcpu-8	5	3	500	8331.3	4.1657	26539.1	13.2695	469.68	Test 7	e2-highcpu-8	5	3	500	32912.4	16.4562	90108.8	45.0544	183.00
	e2-highcpu-8	5	3	5	500	102389.1	51.1946	476752.1	238.3760	15.27																				
	e2-highcpu-8	5	3	16	500	181483.1	90.7416	394284.3	197.1422	18.42																				
est x	e2-highcpu-16	5	3	1	500	_		SKIP			Test x	e2-highcpu-16	5	3	500			SKIP			Test x	e2-highcpu-16	5	3	500			SKIP		
	e2-highcpu-16	5	3	16	500	_		SKIP																						
st x	e2-highcpu-8		3	1	1000	_		SKIP			Test x	e2-highcpu-8	5	3	1000			SKIP			Test x	e2-highcpu-8	5	3	1000			SKIP		
	e2-highcpu-8	5	3	16	1000	_		SKIP																						
est x	e2-highcpu-16		3	1	1000	_		SKIP			Test x	e2-highcpu-16	5	3	1000			SKIP			Test x	e2-highcpu-16	5	3	1000			SKIP		
	e2-highcpu-16		3	16	1000	_		SKIP																						
est x	oz mgmepe e		3	1	4000	_		SKIP			Test x	e2-highcpu-8	5	3	4000	_		SKIP			Test x	e2-highcpu-8	5	3	4000			SKIP		
_			3	16	4000	_		SKIP								_														
st 35	e2-highcpu-16		3	1	4000	20208.2	80.8328	51506.8	206.0273	20.39	Test 35	e2-highcpu-16	5	3	4000	2401.3	9.6052	9135.5	36.5421	507.14	Test 35	e2-highcpu-16	5	3	4000	8274.9	33.1000	17687.1	70.7484	99.65
	e2-highcpu-16	5	3	16	4000	32264.2	129.0568	69638.0	278.5520	16.74																				
st 8	e2-highcpu-8	5	5	1	500	136384.0	68.1920	502105.5	251.0527	26.92	Test 8	e2-highcpu-8	5	5	500	4214.9	2.1075	22920.5	11.4602	995.17	Test 8	e2-highcpu-8	5	5	500	33223.0	16.6115	164789.9	82.3949	192.99
	e2-highcpu-8	5	5	5	500	102955.7	51.4779	692260.2	346.1301	17.01																				
	e2-highcpu-8	5	5	16	500	181214.4	90.6072	589047.0	294.5235	21.02																				
est 9	e2-highcpu-16	5	5	1	500	158206.4	79.1032	602842.6	301.4213	23.37	Test 9	e2-highcpu-16	5	5	500	4310.7	2.1554	26766.1	13.3830	829.21	Test 9	e2-highcpu-16	5	5	500	36578.9	18.2895	174275.8	87.1379	140.57
	e2-highcpu-16	5	5	5	500	122441.9	61.2209	852322.4	426.1612	14.04																				
	e2-highcpu-16	5	5	16	500	233092.4	116.5462	737448.8	368.7244	15.82																				
est x	e2-highcpu-8	5	5	1	1000			SKIP			Test x	e2-highcpu-8	5	5	1000			SKIP			Test x	e2-highcpu-8	5	5	1000			SKIP		
	e2-highcpu-8	5	5	16	1000			SKIP																						
st 10	e2-highcpu-16	5	5	1	1000	78759.8	78.7598	269782.7	269.7827	25.30	Test 10	e2-highcpu-16	5	5	1000	3090.3	3.0903	19946.1	19.9461	2089.51	Test 10	e2-highcpu-16	5	5	1000	21888.1	21.8881	122614.6	122.6146	143.13
	e2-highcpu-16	5	5	5	1000	62606.7	62.6067	478281.3	478.2813	13.92																				
	e2-highcpu-16	5	5	16	1000	119819.6	119.8200	389796.2	389.7962	19.38																				
st x	e2-highcpu-8	5	5	1	4000			SKIP			Test x	e2-highcpu-8	5	5	4000			SKIP			Test x	e2-highcpu-8	5	5	4000			SKIP		
	e2-highcpu-8	5	5	16	4000			SKIP																						
st 36	e2-highcpu-16	5	5	1	4000	19214.6	76.8585	72059.3	288.2373	26.48	Test 36	e2-highcpu-16	5	5	4000	1230.0	4.9200	7042.1	28.1682	6670.19	Test 36	e2-highcpu-16	5	5	4000	8868.5	35.4739	28255.8	113.0233	145.15
	e2-highcpu-16	5	5	16	4000	30965.7	123.8627	101092.3	404.3692	27.78																				