Kafka

Broker	Machine	Nodes	Prod/Cons	Number Partitions	Message Size(B)	Producer Throughput (msgs/s)	Producer Throughput (MB/s)	Consumer Throughput (msgs/s)	Consumer Throughput (MB/s)	Latency (ms)
Test 13	e2-highcpu-8	1	1	1	500	128157.9	64.0789	128137.5	64.0688	20.19
	e2-highcpu-8	1	1	16	500	127065.1	63.5325	127035.9	63.5179	22.03
Test x	e2-highcpu-16	1	1	1	500			SKIP		
	e2-highcpu-16	1	1	16	500			SKIP		
Test 15	e2-highcpu-8	1	1	1	1000	68382.5	68.3826	68364.0	68.3640	19.86
	e2-highcpu-8	1	1	16	1000	66372.7	66.3727	66391.3	66.3913	22.55
Test 17	e2-highcpu-16	1	1	1	1000	86261.8	86.2618	86244.1	86.2441	16.43
	e2-highcpu-16	1	1	16	1000	85109.6	85.1068	85040.5	85.0405	17.93
Test 16	e2-highcpu-8	1	1	1	4000	17107.4	68.4295	17097.0	68.3880	19.93
	e2-highcpu-8	1	1	16	4000	16700.9	66.8035	16697.5	66.7900	23.27
Test 18	e2-highcpu-16	1	1	1	4000	21339.1	85.3565	21335.3	85.3411	16.44
	e2-highcpu-16	1	1	16	4000	19170.6	76.7222	19177.1	76.7085	21.67
Test 3	e2-highcpu-8	1	3	1	500	133714.5	66.8572	467553.1	233.7766	17.20
	e2-highcpu-8	1	3	16	500	134214.5	67.1072	494963.6	247.4818	23.19
Test x	e2-highcpu-8	1	3	1	1000			SKIP		
Test 22	e2-highcpu-8	1	3	1	4000	17693.7	70.7747	85811.7	343.2468	13.44
	e2-highcpu-8	1	3	16	4000	17116.1	68.4646	73628.1	294.5126	41.93
Test 21	e2-highcpu-16	1	3	1	4000	22408.9	89.6358	92571.7	370.2867	12.35
	e2-highcpu-16	1	3	16	4000	22086.6	88.3464	84384.9	337.5394	30.15
Test 11	e2-highcpu-8	1	5	1	500	132631.9	66.3159	710031.6	355.0158	15.52
	e2-highcpu-8	1	5	16	500	134151.8	67.0759	770033.7	385.0168	35.16
Test x	e2-highcpu-16	1	5	1	500			SKIP		
	e2-highcpu-16	1	5	16	500			SKIP		
Test 12	e2-highcpu-8	1	5	1	1000	67347.2	67.3472	421311.1	421.3111	14.73
	e2-highcpu-8	1	5	16	1000	68149.6	68.1496	429399.4	429.3994	17.39
Test 19	e2-highcpu-16	1	5	1	1000	86835.7	86.8357	481121.4	481.1214	12.54
	e2-highcpu-16	1	5	16	1000	86179.2	86.1792	497185.1	497.1851	22.89
Test 14	e2-highcpu-8	1	5	1	4000	17110.7	68.4430	115576.8	462.3073	16.55
	e2-highcpu-8	1	5	16	4000	17402.4	69.6096	117898.3	471.5934	137.75
Test 20	e2-highcpu-16	1	5	1	4000	21820.2	87.2809	133633.3	534.5332	14.23
	e2-highcpu-16	1	5	16	4000	21456.0	85.8241	144740.7	578.9628	26.29
Test 4	e2-highcpu-8	3	1	1	500	61363.6	30.6818	61350.1	30.6751	35.73
	e2-highcpu-8	3	1	3	500	100900.3	50.4501	100887.4	50.4437	23.67
	e2-highcpu-8	3	1	16	500	12338.3	61.6692	123319.3	61.6596	20.39
Test x	e2-highcpu-16	3	1	1	500			SKIP		
	e2-highcpu-16	3	1	16	500			SKIP		
Test 23	e2-highcpu-8	3	1	1	1000	34910.3	34.9103	34903.2	34.9032	33.43
	e2-highcpu-8	3	1	16	1000	67168.7	67.1687	67148.3	67.1483	19.99
Test 27	e2-highcpu-16	3	1	1	1000	49963.0	49.9630	49954.8	49.9548	24.69
	e2-highcpu-16	3	1	16	1000	89735.3	89.7353	89719.8	89.7198	15.13
Text 24	e2-highcpu-8	3	1	1	4000	10347.7	41.3908	10345.4	41.3815	28.54
	e2-highcpu-8	3	1	16	4000	16800.6	67.2025	16796.3	67.1852	21.17
Text 28	e2-highcpu-16	3	1	1	4000	11967.3	47.8690	11965.0	47.8601	25.68
	e2-highcpu-16	3	1	16	4000	23388.6	93.5544	23384.1	93.5362	15.30
Test 1	e2-highcpu-8	3	3	1	500	126066.8	63.0334	363508.9	181.7545	22.88
	e2-highcpu-8	3	3	3	500	101349.5	50.6747	505127.5	252.5637	15.29
	e2-highcpu-8	3	3	16	500	132248.3	66.1242	448145.5	224.0727	16.83
Test 2	e2-highcpu-16	3	3	1	500	143678.6	71.8393	400619.2	200.3096	20.61
	e2-highcpu-16	3	3	3	500	124075.4	62.0377	622157.2	311.0786	12.03
	e2-highcpu-16	3	3	16	500	206678.4	103.3392	545864.8	272.9324	14.08
Test 5	e2-highcpu-8	3	3	1	1000	62752.3	62.7523	161672.9	161.6729	25.63
	e2-highcpu-8	3	3	3	1000	51195.0	51.1950	262338.5	262.3385	15.08
	e2-highcpu-8	3	3	16	1000	67137.5	67.1375	231371.7	231.3717	17.10
Test 6	e2-highcpu-16	3	3	1	1000	75065.8	75.0658	200711.7	200.7117	20.40
	e2-highcpu-16	3	3	3	1000	63140.5	63.1405	331587.2	331.5872	11.79
	e2-highcpu-16	3	3	16	1000	104642.1	104.6421	299147.5	299.1475	14.09
Test 25	e2-highcpu-8	3	3	1	4000	16681.8	66.7240	48707.1	194.8285	21.88
	e2-highcpu-8	3	3	16	4000	17224.5	68.8979	64836.1	259.3444	23.90
Test 29	e2-highcpu-16	3	3	1	4000	20601.7	82.4070	62298.7	249.1949	17.04
	e2-highcpu-16	3	3	16	4000	26907.6	107.6305	74593.2	298.3727	16.70
Test x	e2-highcpu-8	3	5	1	500			SKIP		
	e2-highcpu-8	3	5	16	500			SKIP		
Test x	e2-highcpu-16	3	5	1	500			SKIP		
	e2-highcpu-16	3	5	16	500			SKIP		
Test x	e2-highcpu-8	3	5	1	1000			SKIP		
	e2-highcpu-8	3	5	16	1000			SKIP		
Test x	e2-highcpu-16	3	5	1	1000			SKIP		
	e2-highcpu-16	3	5	16	1000			SKIP		
Test y	e2-highcpu-8	3	5	1	4000			SKIP		
	e2-highcpu-8	3	5	16	4000			SKIP		
Test 26	e2-highcpu-16	3	5	1	4000	21309.3	85.2370	98684.8	394.7391	18.81
	e2-highcpu-16	3	5	16	4000	26886.1	107.5442	118766.1	475.0645	28.23

RabbitMQ

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)
Test 13	e2-highcpu-8	1	1	500	13853.7	6.9268	13849.5	6.9247	299.79
Test x	e2-highcpu-16	1	1	500		SKIP			
Test 15	e2-highcpu-8	1	1	1000	15210.5	15.2105	15206.5	15.2065	134.85
Test 17	e2-highcpu-16	1	1	1000	15689.8	15.6898	15685.1	15.6851	130.20
Test 16	e2-highcpu-8	1	1	4000	7821.2	31.2847	7819.4	31.2777	67.01
Test 18	e2-highcpu-16	1	1	4000	7816.3	31.2651	7814.4	31.2577	67.32
Test 3	e2-highcpu-8	1	3	500	8140.5	4.0703	24563.0	12.2815	488.15
Test x	e2-highcpu-8	1	3	1000		SKIP			
Test 22	e2-highcpu-8	1	3	4000	1749.7	6.9987	6678.4	26.7136	1234.08
Test 21	e2-highcpu-16	1	3	4000	1721.8	6.8873	6243.7	24.9748	1619.42
Test 11	e2-highcpu-8	1	5	500	4446.0	2.2230	32146.2	16.0731	653.59
Test x	e2-highcpu-16	1	5	500		SKIP			
Test 12	e2-highcpu-8	1	5	1000		SKIP			
Test 19	e2-highcpu-16	1	5	1000		SKIP			
Test 14	e2-highcpu-8	1	5	4000	912.1	3.6485	5211.7	20.8467	6982.31
Test 20	e2-highcpu-16	1	5	4000		SKIP			
Test 4	e2-highcpu-8	3	1	500	12237.3	6.1187	12233.8	6.1169	342.10
Test x	e2-highcpu-16	3	1	500		SKIP			
Test 23	e2-highcpu-8	3	1	1000	12375.3	12.3753	12371.2	12.3712	169.60
Test 27	e2-highcpu-16	3	1	1000	12034.8	12.0348	12031.5	12.0315	172.87
Text 24	e2-highcpu-8	3	1	4000	7800.4	31.2016	7797.6	31.1904	65.68
Text 28	e2-highcpu-16	3	1	4000	8215.8	32.8631	8213.7	32.8549	62.25
Test 1	e2-highcpu-8	3	3	500	7240.0	3.6200	21417.2	10.7086	588.85
Test 2	e2-highcpu-16	3	3	500	8077.8	4.0389	23624.5	11.8122	530.60
Test 5	e2-highcpu-8	3	3	1000	5955.3	5.9553	20960.7	20.9607	317.25
Test 6	e2-highcpu-16	3	3	1000	6021.8	6.0218	21267.1	21.2671	280.24
Test 25	e2-highcpu-8	3	3	4000	2392.8	9.5712	9738.2	38.9528	460.68
Test 29	e2-highcpu-16	3	3	4000	2361.9	9.4474	9252.9	37.0116	569.70
Test x	e2-highcpu-8	3	5	500		SKIP			
Test x	e2-highcpu-16	3	5	500		SKIP			
Test x	e2-highcpu-8	3	5	1000		SKIP			
Test x	e2-highcpu-16	3	5	1000		SKIP			
Test y	e2-highcpu-8	3	5	4000	1210.4	4.8415	6637.4	26.5497	6723.47
Test 26	e2-highcpu-16	3	5	4000	1224.9	4.8994	7154.3	28.6172	6595.65

STAN

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)
Test 13-ny	e2-highcpu-8	1	1	500	32125.4	16.0627	32122.6	16.0613	127.37
Test x	e2-highcpu-16	1	1	500		SKIP			
Test 15	e2-highcpu-8	1	1	1000	34538.8	34.5388	34530.4	34.5304	58.43
Test 17	e2-highcpu-16	1	1	1000	22244.5	22.2445	22242.7	22.2427	93.28
Test 16	e2-highcpu-8	1	1	4000	10108.8	40.4353	10107.2	40.4288	51.40
Test 18	e2-highcpu-16	1	1	4000	13577.4	54.3095	13573.8	54.2951	37.52
Test 3	e2-highcpu-8	1	3	500	56431.1	28.2156	111891.8	55.9459	107.16
Test x	e2-highcpu-8	1	3	1000		SKIP			
Test 22	e2-highcpu-8	1	3	4000	10884.5	43.5379	45037.9	180.1515	32.15
Test 21	e2-highcpu-16	1	3	4000	14538.1	58.1524	43534.3	174.1374	33.13
Test 11	e2-highcpu-8	1	5	500	58570.7	29.2853	162601.3	81.3007	122.43
Test x	e2-highcpu-16	1	5	500		SKIP			
Test 12	e2-highcpu-8	1	5	1000		SKIP			
Test 19	e2-highcpu-16	1	5	1000		SKIP			
Test 14	e2-highcpu-8	1	5	4000	14940.4	59.7617	66564.4	266.2576	35.51
Test 20	e2-highcpu-16	1	5	4000	14938.8	59.7551	59350.3	237.4012	41.12
Test 4	e2-highcpu-8	3	1	500	34358.4	17.1792	34349.7	17.1748	126.56
Test x	e2-highcpu-16	3	1	500		SKIP			
Test 23	e2-highcpu-8	3	1	1000	24945.3	24.9453	24939.9	24.9399	91.00
Test 27	e2-highcpu-16	3	1	1000	25693.9	25.6939	25685.2	25.6852	84.15
Text 24	e2-highcpu-8	3	1	4000	6960.9	27.8436	6960.0	27.8400	105.56
Text 28	e2-highcpu-16	3	1	4000	6856.8	27.4273	6855.1	27.4203	89.10
Test 1	e2-highcpu-8	3	3	500	38208.2	19.1041	142288.6	71.1443	93.29
Test 2	e2-highcpu-16	3	3	500	41174.0	20.5870	154256.2	77.1281	85.50
Test 5	e2-highcpu-8	3	3	1000	20385.1	20.3851	78005.6	78.0056	91.47
Test 6	e2-highcpu-16	3	3	1000	22459.1	22.4591	95949.0	95.9490	72.91
Test 25	e2-highcpu-8	3	3	4000	6346.1	25.3845	18905.5	75.6221	109.14
Test 29	e2-highcpu-16	3	3	4000	7054.3	28.2172	19177.1	76.7084	93.03
Test x	e2-highcpu-8	3	5	500		SKIP			
Test x	e2-highcpu-16	3	5	500		SKIP			
Test x	e2-highcpu-8	3	5	1000		SKIP			
Test x	e2-highcpu-16	3	5	1000		SKIP			
Test y	e2-highcpu-8	3	5	4000		SKIP			
Test 26	e2-highcpu-16	3	5	4000	7347.7	29.3907	31364.3	125.4574	133.51

Left section

Test	Machine									
Test 30	e2-highcpu-8	5	1	1	500	64372.3	32.1861	64359.5	32.1798	35.21
	e2-highcpu-8	5	1	16	500	145699.7	72.8499	145663.4	72.8317	15.69
Test x	e2-highcpu-16	5	1	1	500			**SKIP**		
	e2-highcpu-16	5	1	16	500			**SKIP**		
Test 31	e2-highcpu-8	5	1	1	1000	35592.8	35.5928	35583.5	35.5835	31.90
	e2-highcpu-8	5	1	16	1000	74514.1	74.5141	74484.9	74.4849	16.99
Test 33	e2-highcpu-16	5	1	1	1000	42678.6	42.6786	42671.1	42.6711	27.32
	e2-highcpu-16	5	1	16	1000	90449.9	90.4499	90424.79	90.4248	14.03
Test 32	e2-highcpu-8	5	1	1	4000	9639.7	38.5588	9637.2	38.5488	30.32
	e2-highcpu-8	5	1	16	4000	18112.1	72.4485	18105.6	72.4223	18.26
Test 34	e2-highcpu-16	5	1	1	4000	10379.5	41.5178	10376.6	41.5064	28.60
	e2-highcpu-16	5	1	16	4000	23270.7	93.0829	23264.7	93.0586	14.21
Test 7	e2-highcpu-8	5	3	1	500	133199.9	66.6000	319511.1	159.7556	25.74
	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
Test x	e2-highcpu-16	5	3	1	500			**SKIP**		
	e2-highcpu-16	5	3	16	500			**SKIP**		
Test x	e2-highcpu-8	5	3	1	1000			**SKIP**		
	e2-highcpu-8	5	3	16	1000			**SKIP**		
Test x	e2-highcpu-16	5	3	1	1000			**SKIP**		
	e2-highcpu-16	5	3	16	1000			**SKIP**		
Test x	e2-highcpu-8	5	3	1	4000			**SKIP**		
	e2-highcpu-8	5	3	16	4000			**SKIP**		
Test 35	e2-highcpu-16	5	3	1	4000	20208.2	80.8328	51506.8	206.0273	20.39
	e2-highcpu-16	5	3	16	4000	32264.2	129.0568	69638.0	278.5520	16.74
Test 8	e2-highcpu-8	5	5	1	500	136384.0	68.1920	502105.5	251.0527	26.92
	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
Test 9	e2-highcpu-16	5	5	1	500	158206.4	79.1032	602842.6	301.4213	23.37
	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
Test x	e2-highcpu-8	5	5	1	1000			**SKIP**		
	e2-highcpu-8	5	5	16	1000			**SKIP**		
Test 10	e2-highcpu-16	5	5	1	1000	78759.8	78.7598	269782.7	269.7827	25.30
	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
Test x	e2-highcpu-8	5	5	1	4000			**SKIP**		
	e2-highcpu-8	5	5	16	4000			**SKIP**		
Test 36	e2-highcpu-16	5	5	1	4000	19214.6	76.8585	72059.3	288.2373	26.48
	e2-highcpu-16	5	5	16	4000	30965.7	123.8627	101092.3	404.3692	27.78

Middle section

Test	Machine								
Test 30	e2-highcpu-8	5	1	500	13315.0	6.6575	13311.3	6.6556	308.65
Test x	e2-highcpu-16	5	1	500			**SKIP**		
Test 31	e2-highcpu-8	5	1	1000	12434.0	12.4340	12430.7	12.4307	165.74
Test 33	e2-highcpu-16	5	1	1000	15363.9	15.3639	15359.9	15.3599	133.94
Test 32	e2-highcpu-8	5	1	4000	8512.2	34.0489	8510.3	34.0410	59.83
Test 34	e2-highcpu-16	5	1	4000	9402.5	37.6102	9400.3	37.6013	53.911
Test 7	e2-highcpu-8	5	3	500	8331.3	4.1657	26539.1	13.2695	469.68
Test x	e2-highcpu-16	5	3	500			**SKIP**		
Test x	e2-highcpu-8	5	3	1000			**SKIP**		
Test x	e2-highcpu-16	5	3	1000			**SKIP**		
Test x	e2-highcpu-8	5	3	4000			**SKIP**		
Test 35	e2-highcpu-16	5	3	4000	2401.3	9.6052	9135.5	36.5421	507.14
Test 8	e2-highcpu-8	5	5	500	4214.9	2.1075	22920.5	11.4602	995.17
Test 9	e2-highcpu-16	5	5	500	4310.7	2.1554	26766.1	13.3830	829.21
Test x	e2-highcpu-8	5	5	1000			**SKIP**		
Test 10	e2-highcpu-16	5	5	1000	3090.3	3.0903	19946.1	19.9461	2089.51
Test x	e2-highcpu-8	5	5	4000			**SKIP**		
Test 36	e2-highcpu-16	5	5	4000	1230.0	4.9200	7042.1	28.1682	6670.19

Right section

Test	Machine								
Test 30	e2-highcpu-8	5	1	500	39008.1	19.5041	38998.9	19.4995	121.32
Test x	e2-highcpu-16	5	1	500			**SKIP**		
Test 31	e2-highcpu-8	5	1	1000	23698.1	23.6981	23690.3	23.6903	89.93
Test 33	e2-highcpu-16	5	1	1000	30541.9	30.5419	30532.8	30.5328	69.79
Test 32	e2-highcpu-8	5	1	4000	6690.5	26.7622	6688.4	26.7536	86.61
Test 34	e2-highcpu-16	5	1	4000	7027.5	28.1102	7025.9	28.1034	78.60
Test 7	e2-highcpu-8	5	3	500	32912.4	16.4562	90108.8	45.0544	183.00
Test x	e2-highcpu-16	5	3	500			**SKIP**		
Test x	e2-highcpu-8	5	3	1000			**SKIP**		
Test x	e2-highcpu-16	5	3	1000			**SKIP**		
Test x	e2-highcpu-8	5	3	4000			**SKIP**		
Test 35	e2-highcpu-16	5	3	4000	8274.9	33.1000	17687.1	70.7484	99.65
Test 8	e2-highcpu-8	5	5	500	33223.0	16.6115	164789.9	82.3949	192.99
Test 9	e2-highcpu-16	5	5	500	36578.9	18.2895	174275.8	87.1379	140.57
Test x	e2-highcpu-8	5	5	1000			**SKIP**		
Test 10	e2-highcpu-16	5	5	1000	21888.1	21.8881	122614.6	122.6146	143.13
Test x	e2-highcpu-8	5	5	4000			**SKIP**		
Test 36	e2-highcpu-16	5	5	4000	8868.5	35.4739	28255.8	113.0233	145.15