unicorn x4

path	metric	1	10	20	30	40	50
/fibonacci/32	req/s	3.2	12.12	12.14	12.14	12.15	12.15
/fibonacci/32	resp_time	312.093	825.029	1647.031	2471.254	3293.248	4114.309
/pause/2	req/s	0.5	1.96	1.73	1.43	1.1	0.77
/pause/2	resp_time	2003.882	5093.867	11554.938	20960.747	36415.395	65307.033
/template-render	req/s	4.13	55.49	55.47	55.54	54.83	55.62
/template-render	resp_time	242.054	180.215	360.546	540.108	729.549	899.02
/network-io	req/s	1.5	1.35	5.08	5.65	5.29	4.9
/network-io	resp_time	668.653	7413.76	3936.633	5306.265	7562.081	10206.671
/template-render-r	req/s	12.14	55.64	55.28	55.39	55.47	55.53
/template-render-r	resp_time	82.36	179.713	361.774	541.579	721.05	900.46
/network-io-and-r	req/s	1.49	5.86	5.89	5.87	5.89	5.74
/network-io-and-r	resp_time	670.952	1707.733	3393.669	5114.79	6786.703	8713.535
/pause-and-rend	req/s	0.48	1.84	1.83	1.62	1.29	0.96
/pause-and-rend	resp_time	2062.602	5445.774	10899.406	18486.349	30911.789	51833.041

unicorn x8

path	metric	1	10	20	30	40	50
/fibonacci/32	req/s	3.2	13.78	13.81	13.84	13.73	13.81
/fibonacci/32	resp_time	312.797	725.788	1448.52	2168.289	2913.735	3621.318
/pause/2	req/s	0.5	3.92	3.73	3.36	3.06	2.7
/pause/2	resp_time	2003.63	2548.016	5363.894	8922.229	13060.043	18542.46
/template-render	req/s	10.5	63.41	63.65	63.56	63.64	63.68
/template-render	resp_time	95.242	157.698	314.214	471.992	628.499	785.173
/network-io	req/s	1.6	12.79	12.55	12.24	12	11.42
/network-io	resp_time	625.749	781.735	1593.569	2450.922	3333.898	4376.845
/template-render-r	req/s	14.52	63.6	63.2	63.37	63.36	63.35
/template-render-r	resp_time	68.848	157.237	316.456	473.439	631.333	789.315
/network-io-and-r	req/s	1.53	11.9	11.96	11.65	11.92	11.88
/network-io-and-r	resp_time	652.949	840.49	1672.61	2574.786	3355.507	4208.368
/pause-and-rend	req/s	0.48	3.65	3.6	3.62	3.56	3.23
/pause-and-rend	resp_time	2075.784	2740.81	5561.986	8284.787	11231.531	15482.223

puma x4:5

path	metric	1	10	20	30	40	50
/fibonacci/32	req/s	3.21	11.99	11.92	11.92	11.95	11.78
/fibonacci/32	resp_time	311.363	834.03	1677.31	2516.653	3347.237	4244.737
/pause/2	req/s	0.5	4.68	8.06	8.87	8.91	8.57
/pause/2	resp_time	2007.178	2136.121	2481.755	3380.968	4491.851	5831.088
/template-render	req/s	11.15	49.11	47.47	47.01	46.75	46.8
/template-render	resp_time	89.691	203.607	421.347	638.139	855.69	1068.428
/network-io	req/s	1.6	15.19	26.62	28.02	29.58	27.09
/network-io	resp_time	626.893	658.23	751.363	1070.804	1352.356	1845.482
/template-render-r	req/s	14.81	49	47.53	47.14	47.22	47.09
/template-render-r	resp_time	67.523	204.064	420.805	636.364	847.012	1061.727
/network-io-and-r	req/s	1.48	14.76	25.53	28.83	28.56	28.41
/network-io-and-r	resp_time	677.894	677.354	783.438	1040.442	1400.416	1760.168
/pause-and-rend	req/s	0.48	4.49	7.49	8.27	8.38	8.63
/pause-and-rend	resp_time	2072.182	2227.434	2670.485	3627.017	4773.454	5795.092

puma x4:10

path	metric	1	10	20	30	40	50
/fibonacci/32	req/s	3.23	12.04	11.78	11.77	11.91	11.38
/fibonacci/32	resp_time	309.824	830.555	1697.467	2549.538	3359.382	4395.433
/pause/2	req/s	0.5	4.68	9.33	13.87	17.13	18
/pause/2	resp_time	2007.243	2136.064	2142.604	2163.065	2334.497	2778.11
/template-render	req/s	16.21	49.72	48.05	47.5	47.53	46.78
/template-render	resp_time	61.704	201.144	416.215	631.517	841.526	1068.793
/network-io	req/s	1.59	15.68	31.11	45.41	54.53	59.23
/network-io	resp_time	628.727	637.693	642.887	660.578	733.497	844.151
/template-render-r	req/s	16.28	49.68	47.9	47.4	47.14	46.66
/template-render-r	resp_time	61.441	201.274	417.523	632.923	848.56	1071.628
/network-io-and-r	req/s	1.52	14.68	28.9	39.97	50.51	52.18
/network-io-and-r	resp_time	659.41	681.079	692.12	750.572	791.849	958.184
/pause-and-rend	req/s	0.48	4.51	8.87	12.89	15.27	16.24
/pause-and-rend	resp_time	2068.426	2218.905	2254.407	2326.58	2620.361	3079.552

puma x8:5

path	metric	1	10	20	30	40	50
/fibonacci/32	req/s	3.19	13.68	13.61	13.52	13.51	13.3
/fibonacci/32	resp_time	313.865	730.944	1469.561	2218.119	2960.412	3760.458
/pause/2	req/s	0.5	4.68	9.33	12.67	15.41	17.05
/pause/2	resp_time	2006.773	2136.606	2151.563	2368.248	2596.031	2932.376
/template-render	req/s	15.33	58.46	60.83	61.04	60.89	60.92
/template-render	resp_time	65.23	171.062	328.793	491.464	656.897	820.717
/network-io	req/s	1.59	15.6	29.1	37.65	43.16	44.69
/network-io	resp_time	629.658	641.205	687.264	796.871	926.795	1118.744
/template-render-r	req/s	16.02	58.17	60.84	60.6	60.57	60.53
/template-render-r	resp_time	62.414	171.916	328.757	495.022	660.34	826.013
/network-io-and-r	req/s	1.47	14.57	28.63	39.32	47.3	49.63
/network-io-and-r	resp_time	680.741	686.372	698.472	763.039	845.671	1007.406
/pause-and-rend	req/s	0.48	4.5	8.87	11.56	13.69	15.16
/pause-and-rend	resp_time	2066.299	2221.449	2255.648	2594.533	2922.152	3298.365

puma x8:10

path	metric	1	10	20	30	40	50
/fibonacci/32	req/s	3.22	13.83	13.62	13.51	13.44	13.16
/fibonacci/32	resp_time	310.951	723.276	1468.445	2220.408	2975.758	3800.691
/pause/2	req/s	0.5	4.68	9.43	13.94	18.65	23.17
/pause/2	resp_time	2006.91	2136.787	2120.859	2148.316	2144.772	2157.711
/template-render	req/s	15.88	57.7	58.18	59.16	58.97	58.82
/template-render	resp_time	62.988	173.311	343.739	507.071	678.267	850.014
/network-io	req/s	1.59	15.3	31.14	45.88	60.86	72.07
/network-io	resp_time	627.863	653.421	642.25	653.927	657.293	693.781
/template-render-r	req/s	16.09	57.66	58.23	58.75	58.63	58.52
/template-render-r	resp_time	62.143	173.417	343.481	510.617	682.265	854.469
/network-io-and-r	req/s	1.44	14.17	28.5	41.99	54.97	64.8
/network-io-and-r	resp_time	696.162	705.686	701.732	714.462	727.69	771.56
/pause-and-rend	req/s	0.48	4.53	9.26	13.46	17.73	21.59
/pause-and-rend	resp_time	2064.82	2207.908	2160.206	2228.139	2255.693	2316.234

/fibonacci/32

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	3.23	12.04	11.78	11.77	11.91	11.38
puma x4:5	3.21	11.99	11.92	11.92	11.95	11.78
puma x8:10	3.22	13.83	13.62	13.51	13.44	13.16
puma x8:5	3.19	13.68	13.61	13.52	13.51	13.3
unicorn x4	3.2	12.12	12.14	12.14	12.15	12.15
unicorn x8	3.2	13.78	13.81	13.84	13.73	13.81

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	309.824	830.555	1697.467	2549.538	3359.382	4395.433
puma x4:5	311.363	834.03	1677.31	2516.653	3347.237	4244.737
puma x8:10	310.951	723.276	1468.445	2220.408	2975.758	3800.691
puma x8:5	313.865	730.944	1469.561	2218.119	2960.412	3760.458
unicorn x4	312.093	825.029	1647.031	2471.254	3293.248	4114.309
unicorn x8	312.797	725.788	1448.52	2168.289	2913.735	3621.318

Chart: fibonacci(32), req/s — x-axis: concurrent requests; y-axis: req/s; series: puma x4:10, puma x4:5, puma x8:10, puma x8:5, unicorn x4, unicorn x8

Chart: fibonacci(32), avg resp (ms) — x-axis: concurrent requests; y-axis: avg resp time (ms)

/pause/2

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	0.5	4.68	9.33	13.87	17.13	18
puma x4:5	0.5	4.68	8.06	8.87	8.91	8.57
puma x8:10	0.5	4.68	9.43	13.96	18.65	23.17
puma x8:5	0.5	4.68	9.3	12.67	15.41	17.05
unicorn x4	0.5	1.96	1.73	1.43	1.1	0.77
unicorn x8	0.5	3.92	3.73	3.36	3.06	2.7

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	2007.243	2136.064	2142.604	2163.065	2334.497	2778.11
puma x4:5	2007.178	2136.121	2481.755	3380.968	4491.851	5831.088
puma x8:10	2006.91	2136.787	2120.859	2148.316	2144.772	2157.711
puma x8:5	2006.773	2136.606	2151.563	2368.248	2596.031	2932.376
unicorn x4	2003.882	5093.867	11554.938	20960.747	36415.395	65307.033
unicorn x8	2003.63	2548.016	5363.894	8922.229	13060.043	18542.46

Chart: Sleep 2s, req/s

Chart: Sleep 2s, avg resp time (ms)

/template-render

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	16.21	49.72	48.05	47.5	47.53	46.78
puma x4:5	11.15	49.11	47.47	47.01	46.75	46.8
puma x8:10	15.88	57.7	58.18	59.16	58.97	58.82
puma x8:5	15.33	58.46	60.83	61.04	60.89	60.92
unicorn x4	4.13	55.49	55.47	55.54	54.83	55.62
unicorn x8	10.5	63.41	63.65	63.56	63.64	63.68

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	61.704	201.144	416.215	631.517	841.526	1068.793
puma x4:5	89.691	203.607	421.347	638.139	855.69	1068.428
puma x8:10	62.988	173.311	343.739	507.071	678.267	850.014
puma x8:5	65.23	171.062	328.793	491.464	656.897	820.717
unicorn x4	242.054	180.215	360.546	540.108	729.549	899.02
unicorn x8	95.242	157.698	314.214	471.992	628.499	785.173

Chart: Template Render, req/s

Chart: Template Render, avg resp time (ms)

/network-io

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	1.59	15.68	31.11	45.41	54.53	59.23
puma x4:5	1.6	15.19	26.62	28.02	29.58	27.09
puma x8:10	1.59	15.3	31.14	45.88	60.86	72.07
puma x8:5	1.59	15.6	29.1	37.65	43.16	44.69
unicorn x4	1.5	1.35	5.08	5.65	5.29	4.9
unicorn x8	1.6	12.79	12.55	12.24	12	11.42

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	628.727	637.693	642.887	660.578	733.497	844.151
puma x4:5	626.893	658.23	751.363	1070.804	1352.356	1845.482
puma x8:10	627.863	653.421	642.25	653.927	657.293	693.781
puma x8:5	629.658	641.205	687.264	796.871	926.795	1118.744
unicorn x4	668.653	7413.76	3936.633	5306.265	7562.081	10206.671
unicorn x8	625.749	781.735	1593.569	2450.922	3333.898	4376.845

Chart: Network IO, req/s

Chart: Network IO, avg resp time (ms)

/template-render-no-response

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	16.28	49.68	47.9	47.4	47.14	46.66
puma x4:5	14.81	49	47.53	47.14	47.22	47.09
puma x8:10	16.09	57.66	58.23	58.75	58.63	58.52
puma x8:5	16.02	58.17	60.84	60.6	60.57	60.53
unicorn x4	12.14	55.64	55.28	55.39	55.47	55.53
unicorn x8	14.52	63.6	63.2	63.37	63.36	63.35

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	61.441	201.274	417.523	632.923	848.56	1071.628
puma x4:5	67.523	204.064	420.805	636.364	847.012	1061.727
puma x8:10	62.143	173.417	343.481	510.617	682.265	854.469
puma x8:5	62.414	171.916	328.757	495.022	660.34	826.013
unicorn x4	82.36	179.713	361.774	541.579	721.05	900.46
unicorn x8	68.848	157.237	316.456	473.439	631.333	789.315

Chart: Template Render (no resp), req/s

Chart: Template Render (no resp), avg resp time (ms)

/network-io-and-render

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	1.52	14.68	28.9	39.97	50.51	52.18
puma x4:5	1.48	14.76	25.53	28.83	28.56	28.41
puma x8:10	1.44	14.17	28.5	41.99	54.97	64.8
puma x8:5	1.47	14.57	28.63	39.32	47.3	49.63
unicorn x4	1.49	5.86	5.89	5.87	5.89	5.74
unicorn x8	1.53	11.9	11.96	11.65	11.92	11.88

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	659.41	681.079	692.12	750.572	791.849	958.184
puma x4:5	677.894	677.354	783.438	1040.442	1400.416	1760.168
puma x8:10	696.162	705.686	701.732	714.462	727.69	771.56
puma x8:5	680.741	686.372	698.472	763.039	845.671	1007.406
unicorn x4	670.952	1707.733	3393.669	5114.79	6786.703	8713.535
unicorn x8	652.949	840.49	1672.61	2574.786	3355.507	4208.368

Chart: Network IO + Render, req/s

Chart: Network IO + Render, avg resp time (ms)

/pause-and-render/2

req/s

concurrent requests	1	10	20	30	40	50
puma x4:10	0.48	4.51	8.87	12.89	15.27	16.24
puma x4:5	0.48	4.49	7.49	8.27	8.38	8.63
puma x8:10	0.48	4.53	9.26	13.46	17.73	21.59
puma x8:5	0.48	4.5	8.87	11.56	13.69	15.16
unicorn x4	0.48	1.84	1.83	1.62	1.29	0.96
unicorn x8	0.48	3.65	3.6	3.62	3.56	3.23

resp_time

concurrent requests	1	10	20	30	40	50
puma x4:10	2068.426	2218.905	2254.407	2326.58	2620.361	3079.552
puma x4:5	2072.182	2227.434	2670.485	3627.017	4773.454	5795.092
puma x8:10	2064.82	2207.908	2160.206	2228.139	2255.693	2316.234
puma x8:5	2066.299	2221.449	2255.648	2594.533	2922.152	3298.365
unicorn x4	2062.602	5445.774	10899.406	18486.349	30911.789	51833.041
unicorn x8	2075.784	2740.81	5561.986	8284.787	11231.531	15482.223

Chart: Sleep 2s + Render, req/s

Chart: Sleep 2s + Render, avg resp time (ms)