

“Signal to High Prio Thread” benchmark measurements for RISCV64

March 15, 2022

Table 1. RISCV64 Pattern 10/100, Traditional kernel

	Min	Max	Mean	Std Dev		Min	Max	Mean	Std Dev					
10/100	Late processing					Late processing w/ delay					Early processing			
Run #1	909	853	931	14.4		826	1091	950	73.06		812	1060	933	74.58
Run #2	943	963	946	2.51		848	1099	967	70.48		856	1070	980	67.53
Run #3	918	957	930	10.57		825	1095	944	78.63		857	1079	965	81.23
Run #4	903	933	915	11.28		867	1086	964	71.45		830	1060	941	35.21
Run #5	939	959	946	3.04		823	1103	951	78.75		844	1078	966	76.44
Run #6	923	948	930	6.80		827	1109	948	76.19		827	1089	964	81.73
Run #7	905	959	926	12.89		826	1088	946	78.89		817	1072	962	77.19
Run #8	891	964	933	13.84		832	1104	962	75.97		840	1076	960	72.36
Run #9	931	1007	934	10.82		835	1107	952	71.99		858	1080	947	77.53
Run #10	912	1110	938	22.49		879	1106	964	68.32		846	1089	997	67.91
	Stats for the columns													
Min	891	853	915	3		823	1086	944	68		812	1060	933	35
Max	943	1110	946	22		879	1109	967	79		858	1089	997	82
Mean	917	965	933			839	1099	955			839	1075	962	

Table 2. RISCv64 Pattern 10/100, MCS kernel

	Min	Max	Mean	Std Dev		Min	Max	Mean	Std Dev					
10/100	Late processing					Late processing w/ delay					Early processing			
Run #1	2433	2606	2448	16.45		2344	2600	2468	79.81		2234	2614	2343	79.68
Run #2	2439	2483	2444	5.59		2349	2644	2459	77.81		2358	2627	2444	67.28
Run #3	2429	2467	2436	7.07		2361	2721	2481	85.53		2356	2581	2432	65.35
Run #4	2433	2576	2443	16.17		2356	2616	2466	88.56		2226	2467	2301	66.97
Run #5	2427	2462	2427	4.52		2347	2650	2497	83.28		2248	2503	2332	67.40
Run #6	2421	2574	2437	14.79		2362	2606	2471	82.95		2268	2549	2342	68.83
Run #7	2427	2574	2446	19.85		2363	2608	2469	87.57		2348	2594	2428	63.82
Run #8	2441	2730	2458	48.19		2369	2629	2466	85.13		2227	2644	2330	83.26
Run #9	2441	2470	2447	5.02		2358	2617	2486	84.24		2347	2589	2428	67.16
Run #10	2431	2479	2441	9.47		2356	2714	2481	89.80		2338	2634	2432	75.56
	Stats for the columns													
Min	2421	2462	2427	5		2344	2600	2459	78		2226	2467	2301	64
Max	2441	2730	2458	48		2369	2721	2497	90		2358	2644	2444	83
Mean	2432	2542	2443			2357	2641	2474			2295	2580	2381	