

HW & tests

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HW & tests

Not much happend.... and networking is pretty good shape.
30% of SUNET top performers are using open source
routers and Bifrost/Linux. Emil has details...

AMD multicore, IIS work. Finished

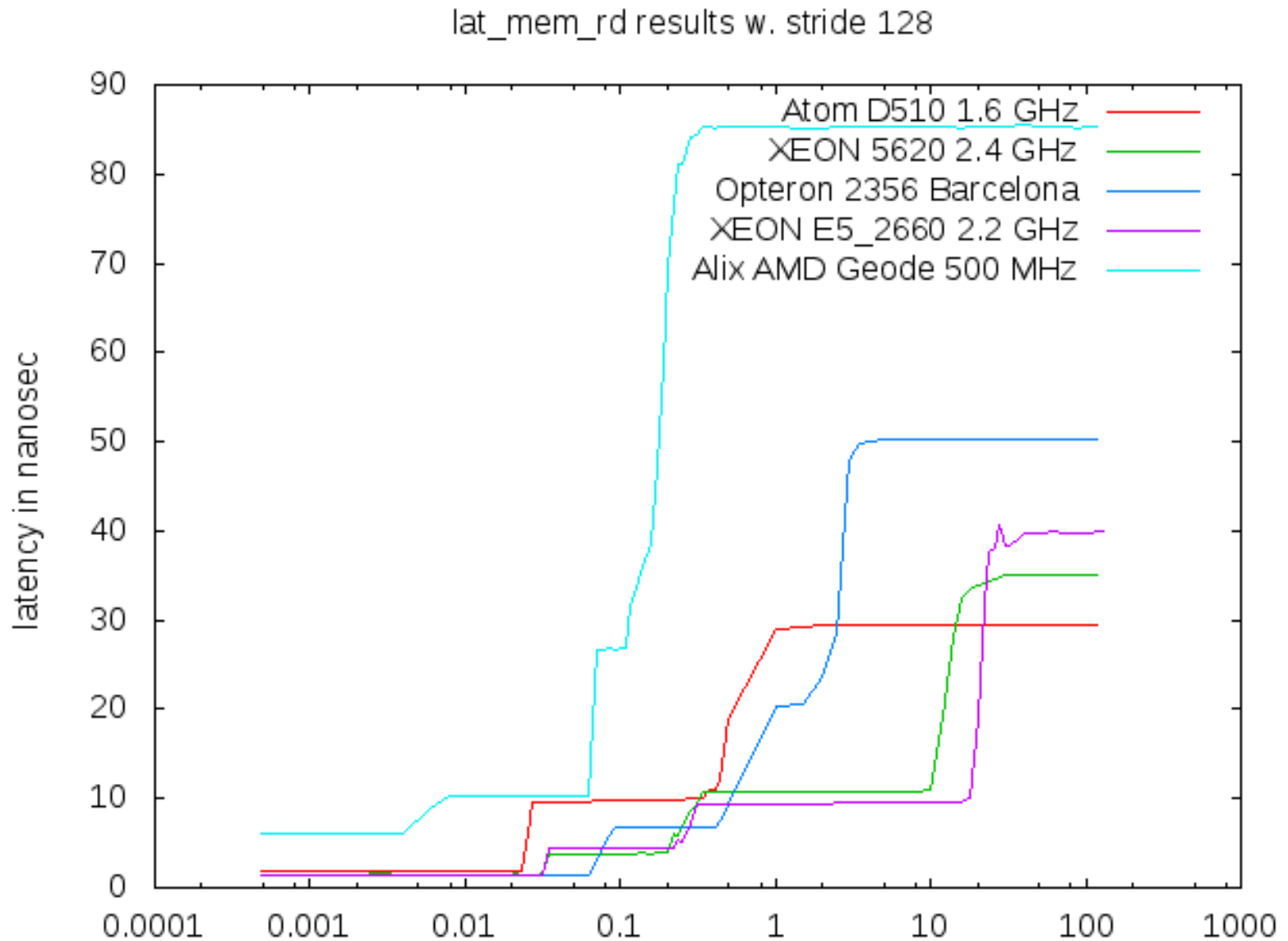
Sandy Bridge. New

Alix. AMD Geode. Old

AMD Fusion

Raspery.... a lot of noise. ARM via Broadcom chip

HW & tests



HW & tests

Intel E5620 @ 2.40GHz Cache size 12 MB

0 19

1 2635451

2 2605635

3 2613442

4 2618442

5 2583752

6 2638756

7 2610171

8 2634517

9 2321427

10 2355339

11 2343171

12 2346822

13 2322956

14 2355652

15 2322786

Routing w. 64 byte pkts 3.0 Mpps. w/o route cache

HW & tests

Intel E5620 @ 2.40GHz Cache size 12 MB

samples	pcnt	kernel function
300253.00	- 23.7%	: ipv4_neigh_lookup
148472.00	- 11.7%	: dst_release
73040.00	- 5.8%	: _raw_spin_lock
47384.00	- 3.7%	: fib_table_lookup
42243.00	- 3.3%	: ixgbe_xmit_frame_ring [ixgbe]
37484.00	- 3.0%	: ixgbe_clean_rx_irq [ixgbe]
30380.00	- 2.4%	: inet_getpeer
28898.00	- 2.3%	: __slab_free
27431.00	- 2.2%	: addr_compare
25907.00	- 2.0%	: dst_destroy
19141.00	- 1.5%	: ip_route_input_common
18547.00	- 1.5%	: ipt_do_table [ip_tables]
18044.00	- 1.4%	: ixgbe_clean_tx_irq [ixgbe]
18042.00	- 1.4%	: local_bh_enable
17696.00	- 1.4%	: ip_finish_output

HW & tests

Intel E5-2660 @ 2.20GHz Cache size 20 MB

1 4523608

2 4491558

3 4480759

4 4475504

5 4516881

6 4492842

7 4500541

8 4498066

9 3989469

10 4009747

11 4018690

12 4012457

13 4017293

14 4014928

15 3961477

16

17 NOTE half cores unused due to limited NIC queues.

Routing w. 64 byte pkts 3.3 Mpps. w/o route cache

HW & tests

Intel E5-2660 @ 2.20GHz Cache size 20 MB

MB: SuperMicro X9DR6-F

Routing w. 64 byte pkts 3.3 Mpps. w/o route cache

10G/s wirespeed routing. Simplex. "Traffic flow test"

Burn in test.

Not available for more tests.. Looks ok.

HW & tests

Single socket MB w:
MB: SuperMicro X9SRA-6

Intel E5-2687W @ 3.1GHz Cache size XX MB

Routing w. 64 byte pkts 4.2 Mpps. w/o route cache

10G/s wirespeed routing. Simplex. "Traffic flow test"

Burn in test. **FAILED.**

Not available for more tests.. Not ok.