

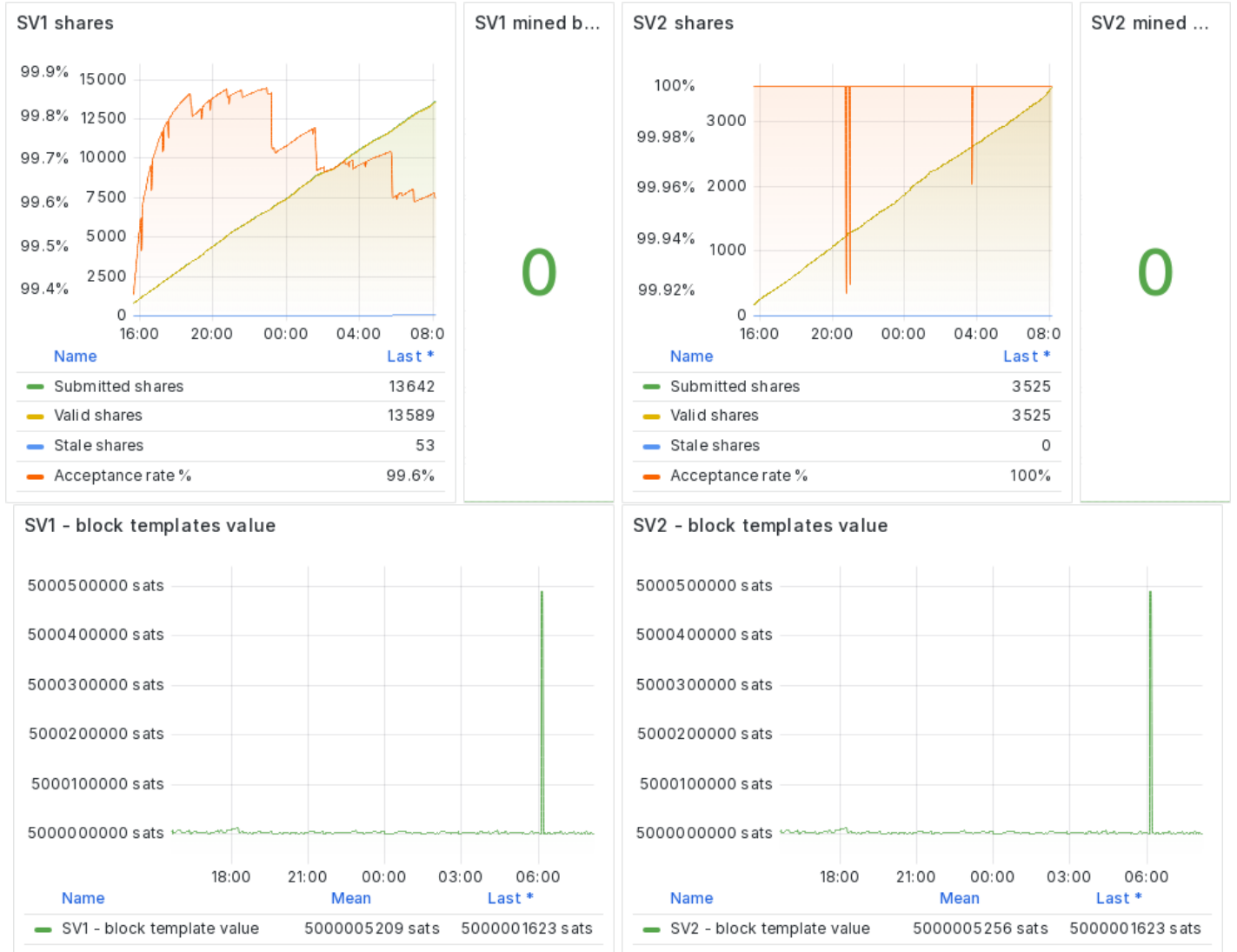
SRI benchmarking tool

Benchmarking tool to measure Stratum V2 and Stratum (V1) protocol performances in different contexts

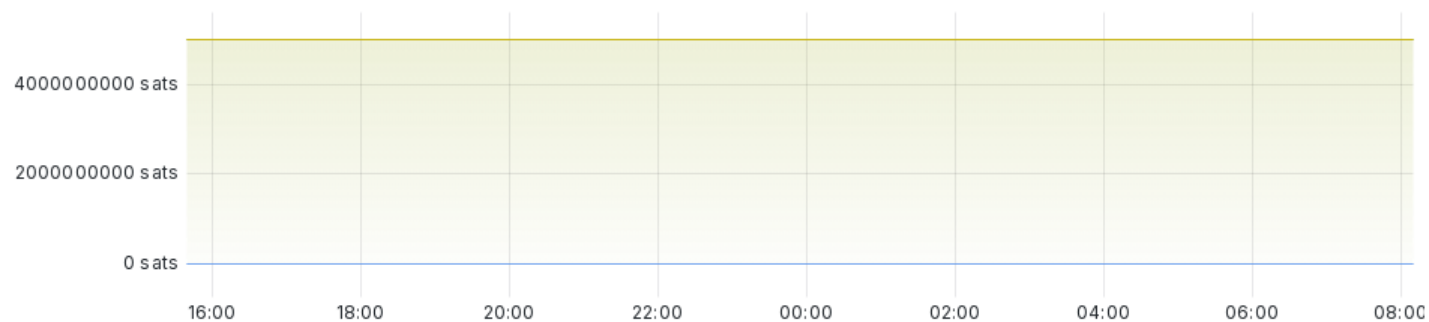
Mon Jul 29 15:40:00 UTC 2024

to

Tue Jul 30 08:10:00 UTC 2024



SV1 vs SV2 - block templates value



Name	Mean	Last *
SV1 - block template value	5000005274 sats	5000001623 sats
SV2 - block template value	5000005319 sats	5000001623 sats
SV2 delta	44.6 sats	0 sats

SV2 - block templates value - comparison with mined blocks on the network



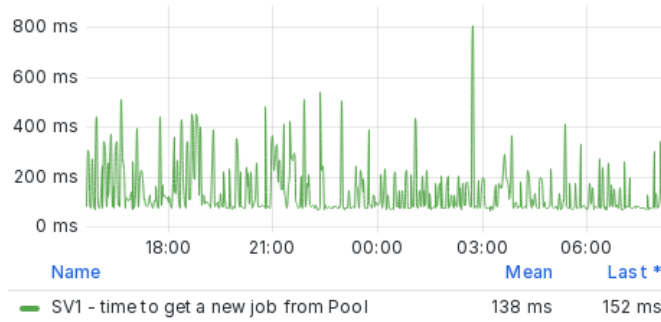
Name	Mean	Last *
Network - block template value	5000005284 sats	5000001683 sats
SV2 - block template value	5000005348 sats	5000001683 sats
SV2 delta %	0.00000128%	0%

Average latency with major pools (RTT)

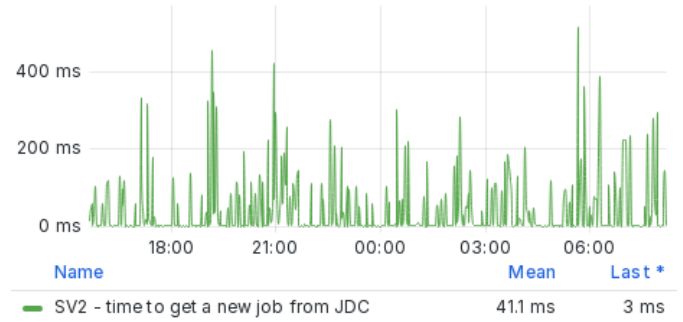


Name	Mean	Last *
Average latency with major pools (RTT)	145 ms	151 ms

SV1 - time to get a new job from Pool



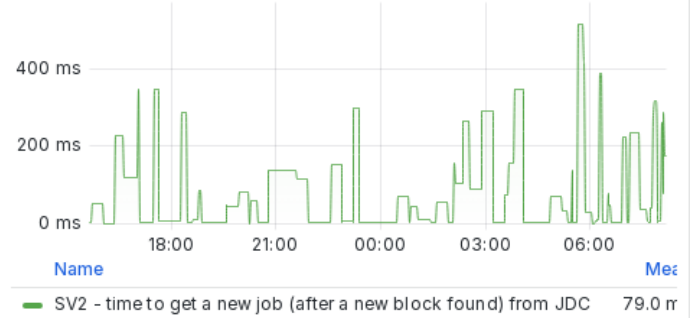
SV2 - time to get a new job from JDC



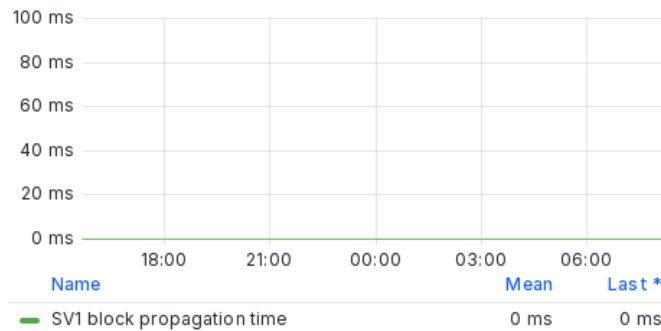
SV1 - time to get a new job (after a new block found) from Pool



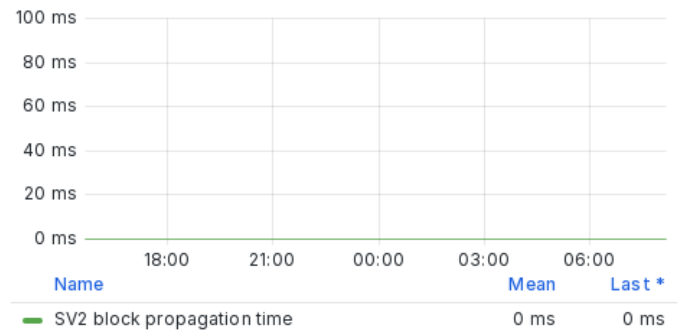
SV2 - time to get a new job (after a new block found) from JDC



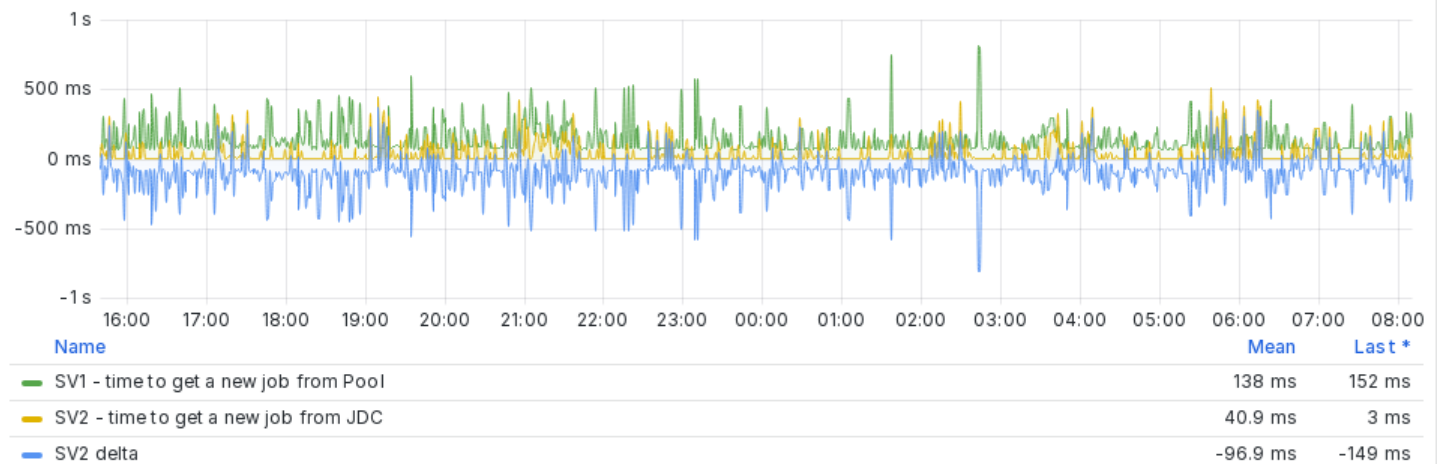
SV1 block propagation time



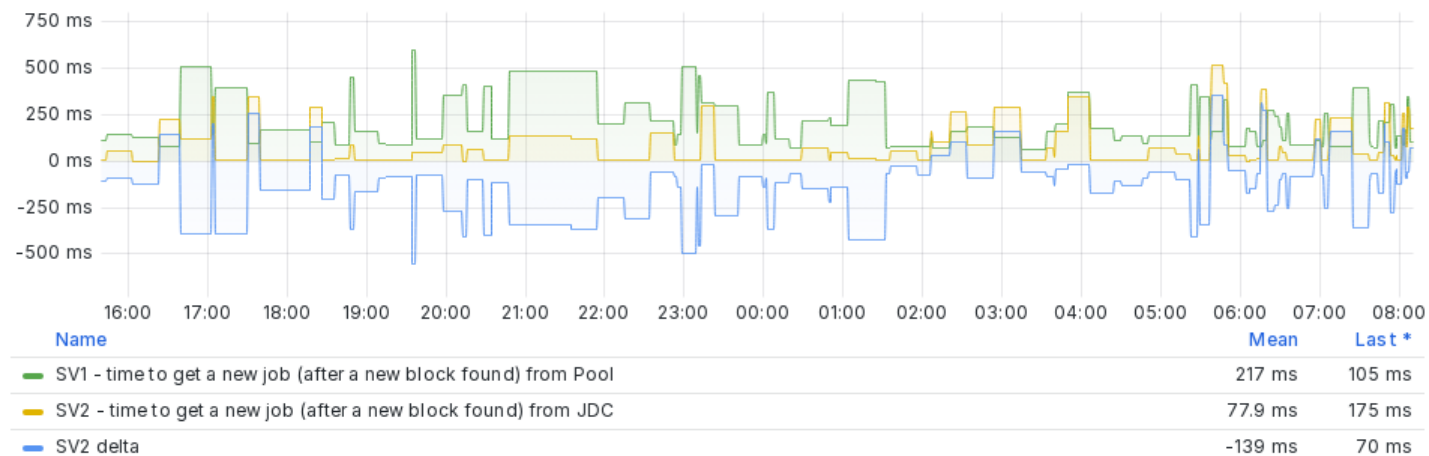
SV2 block propagation time



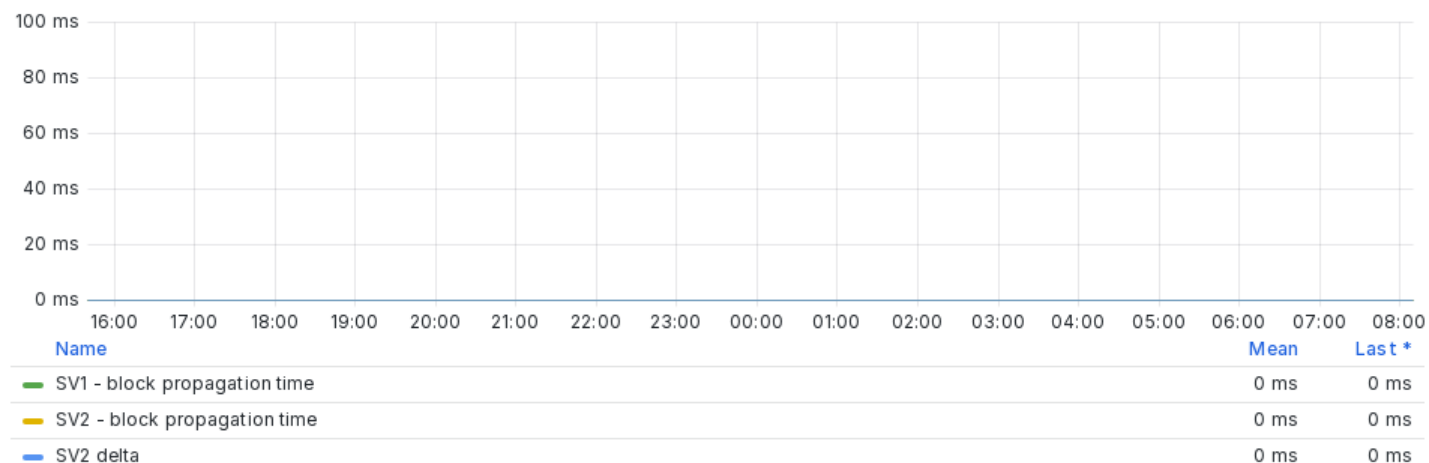
SV1 vs SV2 - time to get a new job from Pool/JDC



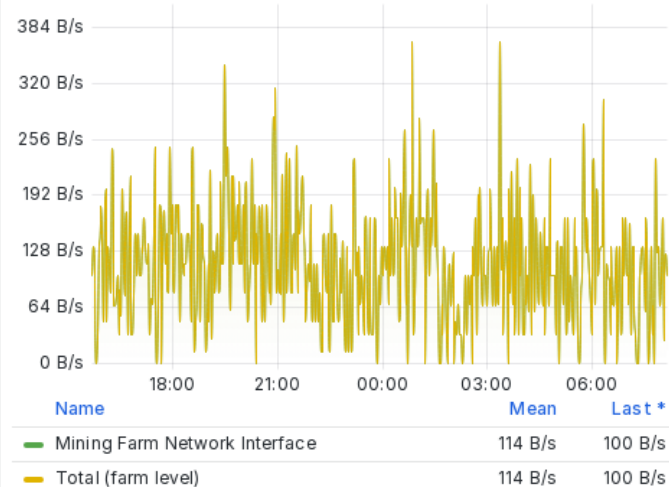
SV1 vs SV2 - time to get a new job (after a new block found) from Pool/JDC



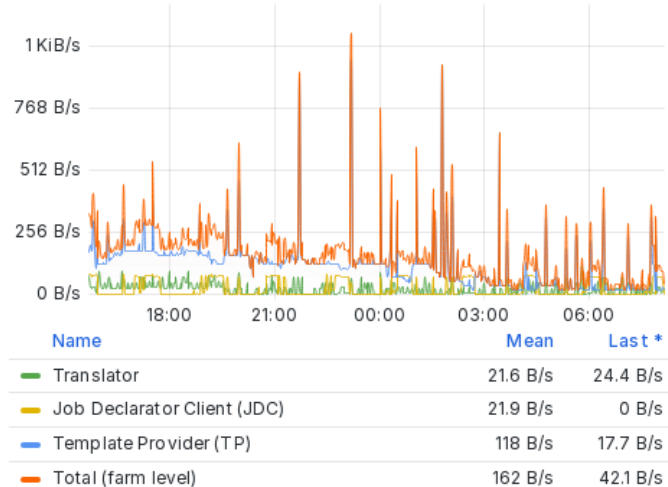
SV1 vs SV2 - block propagation time



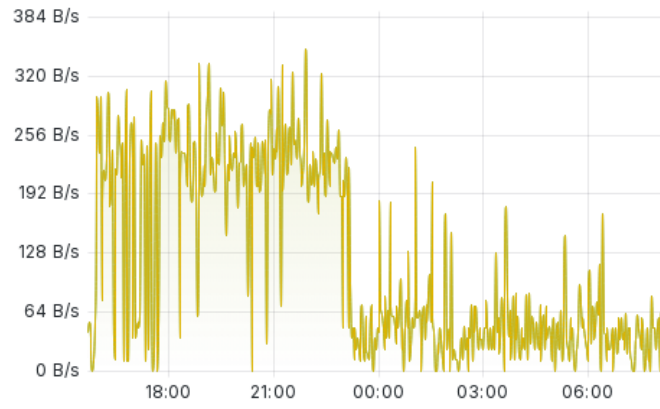
SV1 - Network Tx (farm level)



SV2 - Network Tx (farm level)

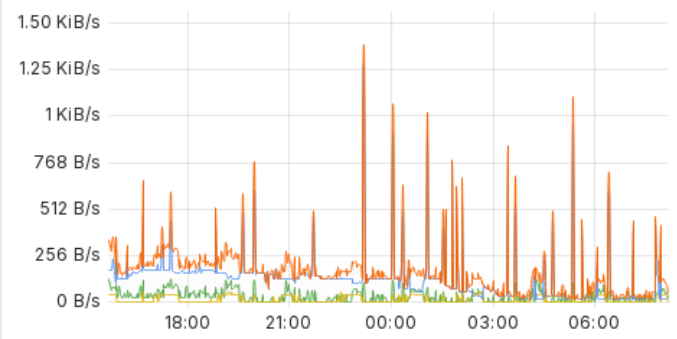


SV1 - Network Rx (farm level)



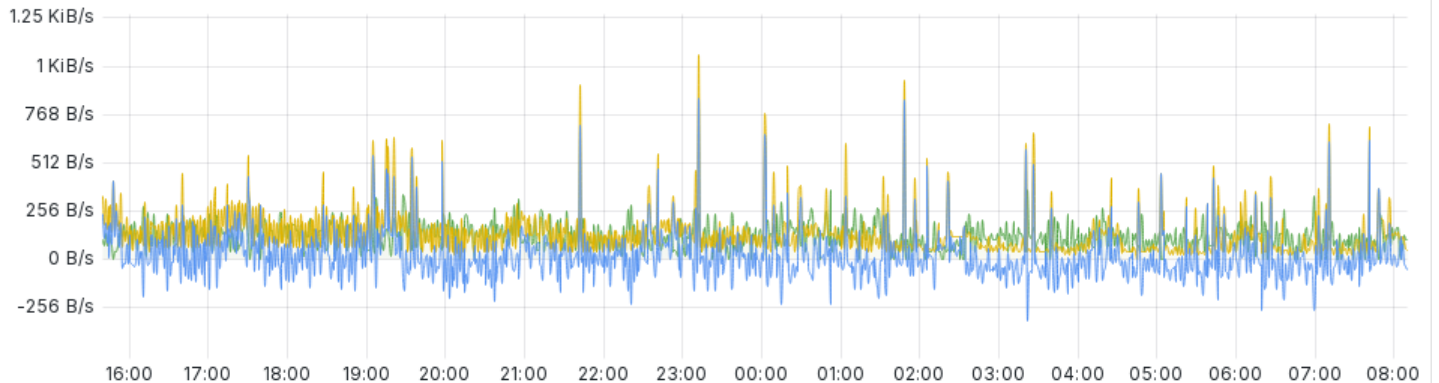
Name	Mean	Last *
Mining Farm Network Interface	120 B/s	35.2 B/s
Total (farm level)	120 B/s	35.2 B/s

SV2 - Network Rx (farm level)



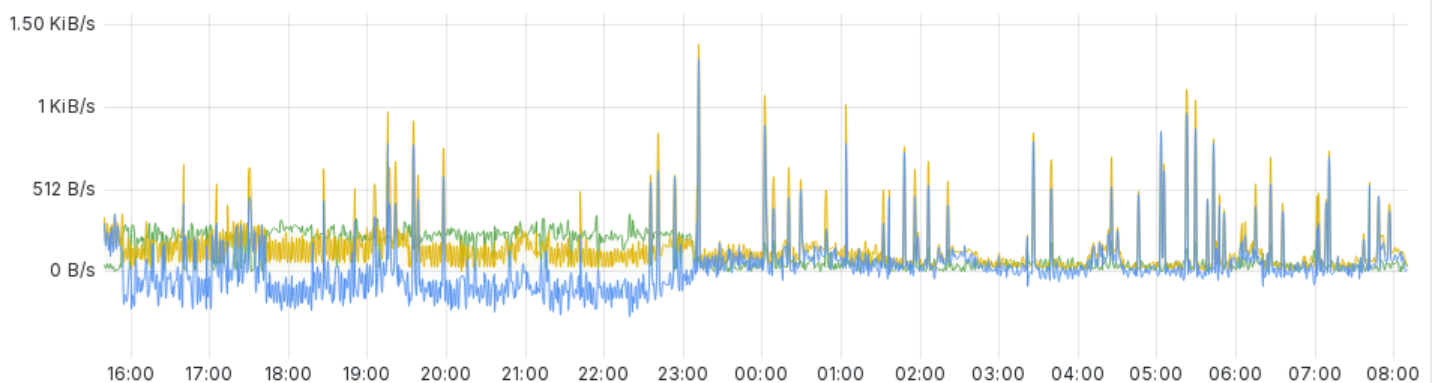
Name	Mean	Last *
Translator	30.8 B/s	21.6 B/s
Job Declarator Client (JDC)	12.5 B/s	0 B/s
Template Provider (TP)	125 B/s	23.1 B/s
Total (farm level)	169 B/s	44.7 B/s

SV1 vs SV2 - Network Tx (farm level)



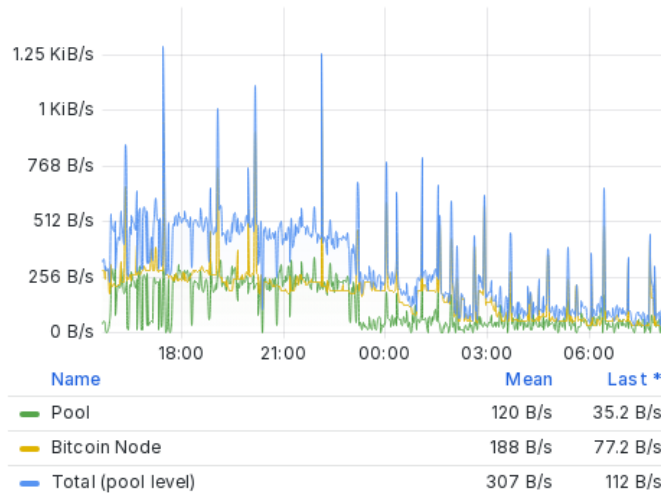
Name	Mean	Last *
SV1 (farm net interface)	114 B/s	100 B/s
SV2 (translator + jdc + tp)	133 B/s	42.1 B/s
SV2 delta	18.8 B/s	-57.9 B/s

SV1 vs SV2 - Network Rx (farm level)

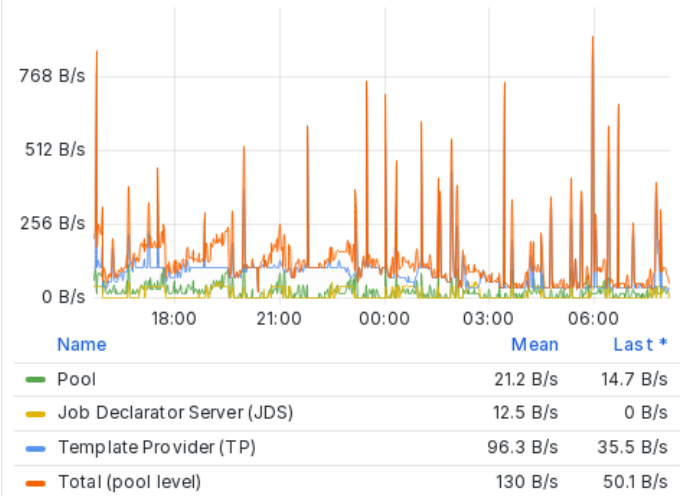


Name	Mean	Last *
SV1 (farm net interface)	118 B/s	35.2 B/s
SV2 (translator + jdc + tp)	142 B/s	44.7 B/s
SV2 delta	23.4 B/s	9.47 B/s

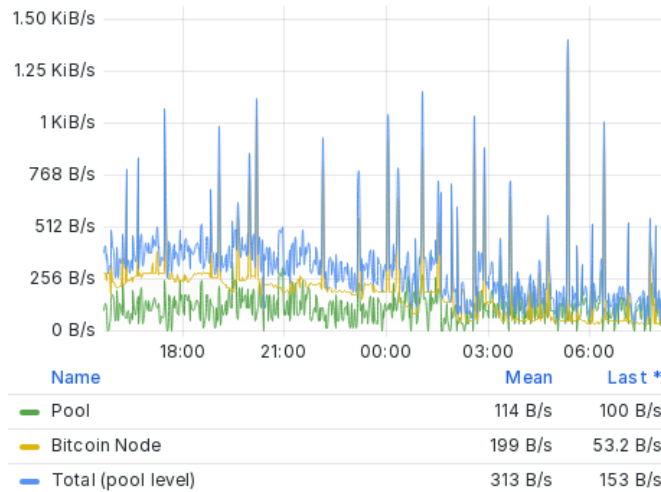
SV1 - Network Tx (pool level)



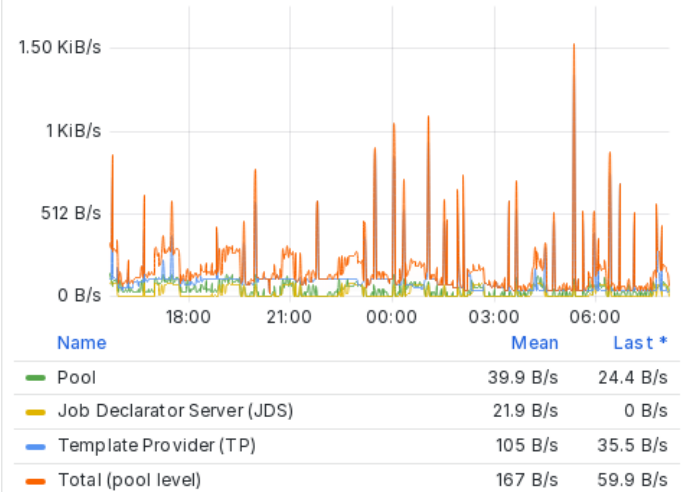
SV2 - Network Tx (pool level)



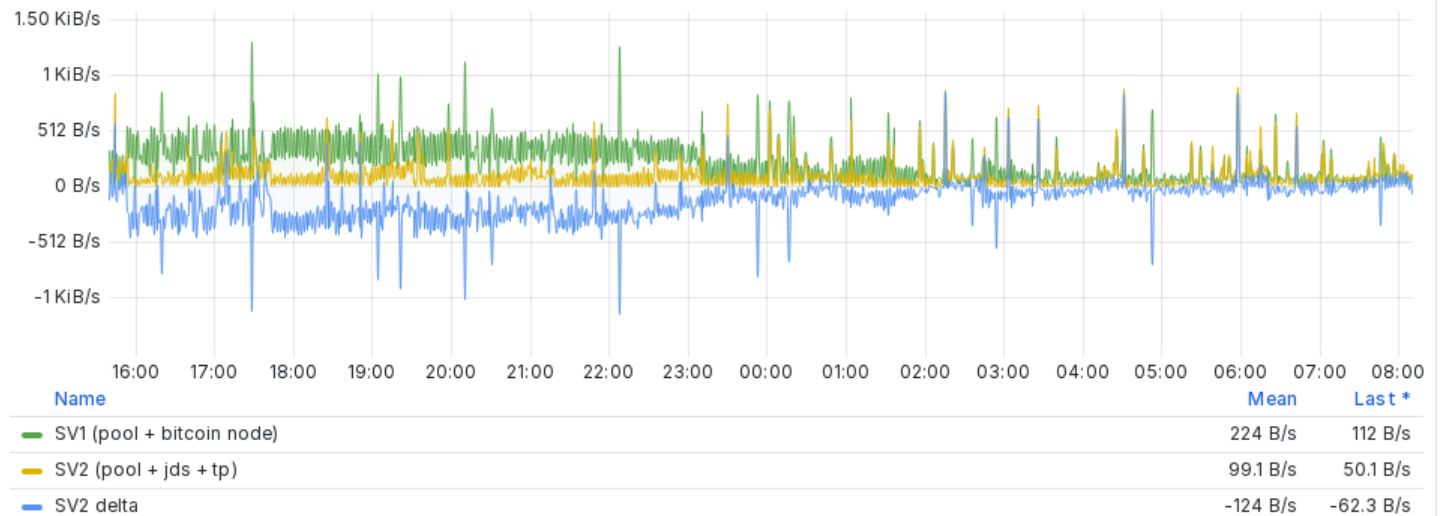
SV1 - Network Rx (pool level)



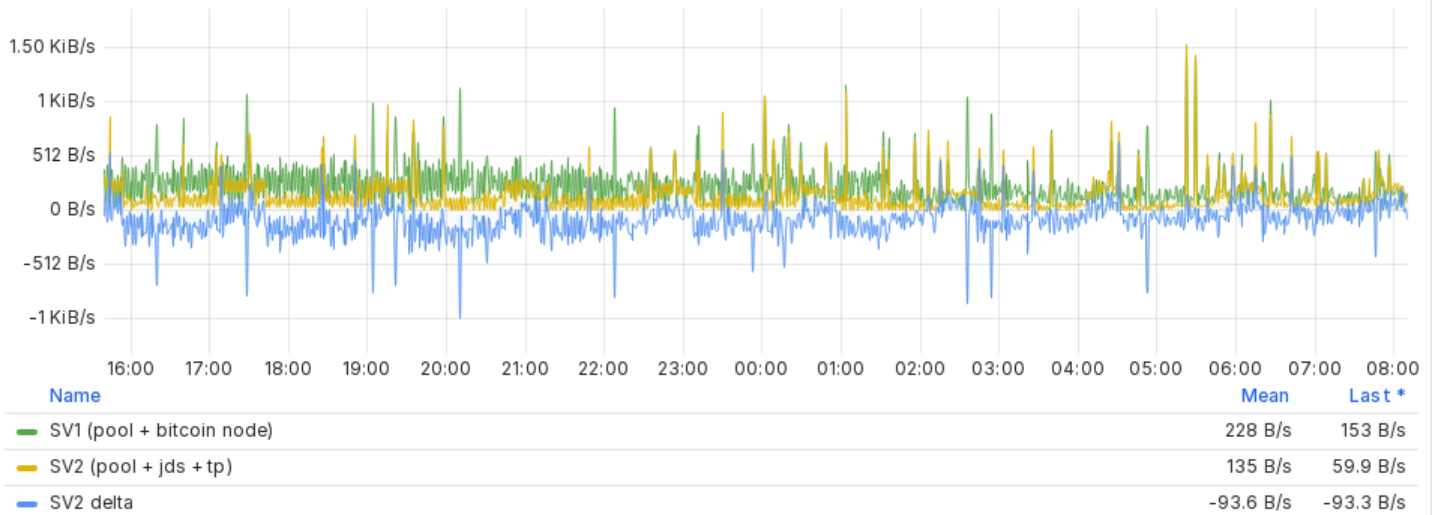
SV2 - Network Rx (pool level)



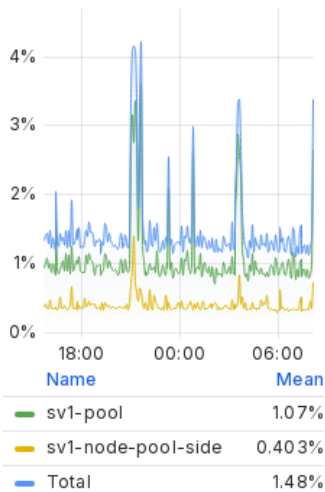
SV1 vs SV2 - Network Tx (pool level)



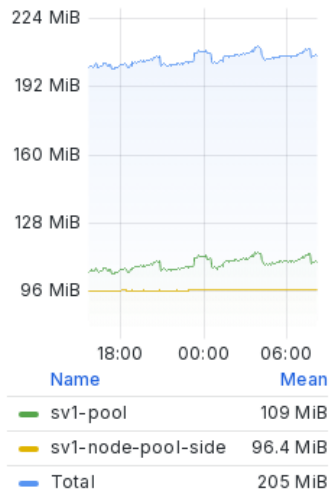
SV1 vs SV2 - Network Rx (pool level)



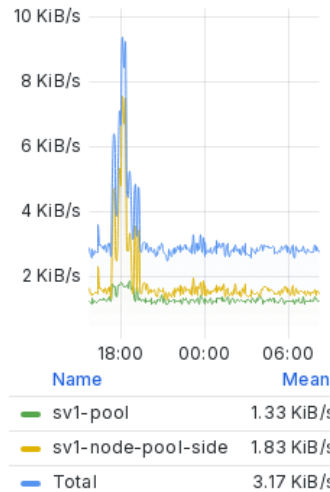
Pool Roles (SV1) - CPU Usage



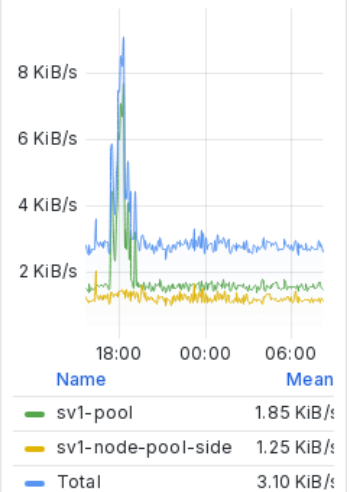
Pool Roles (SV1) - Memory U...



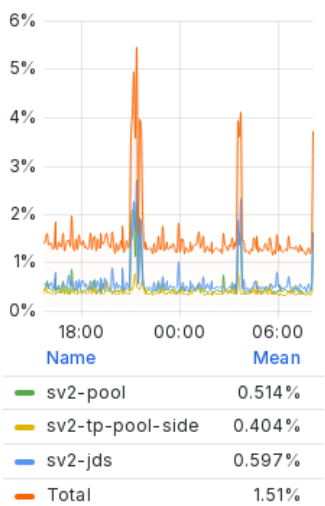
Pool Roles (SV1) - Network Tx



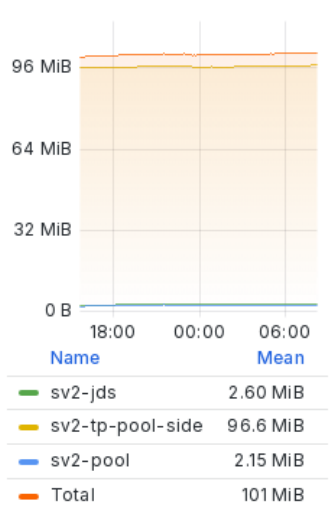
Pool Roles (SV1) - Network Rx



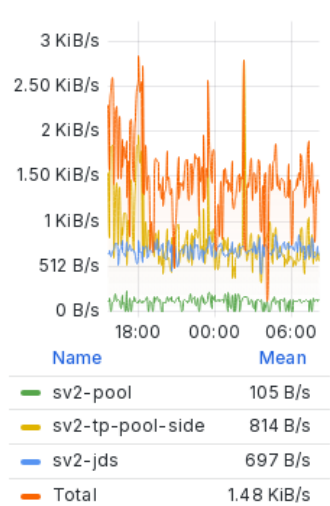
Pool Roles (SV2) - CPU Usage



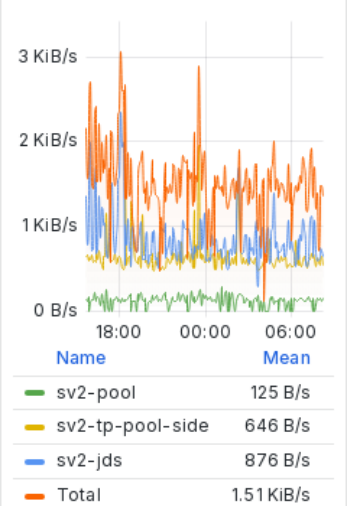
Pool Roles (SV2) - Memory U...



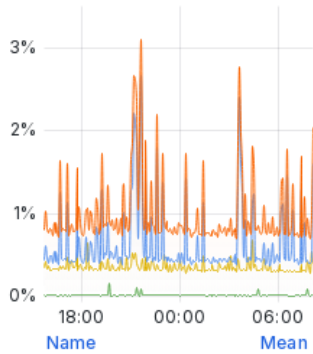
Pool Roles (SV2) - Network Tx



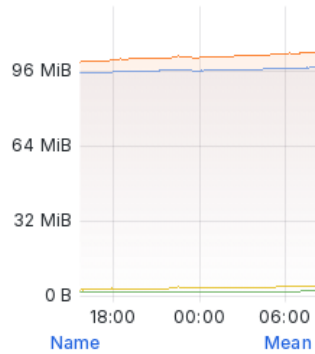
Pool Roles (SV2) - Network Rx



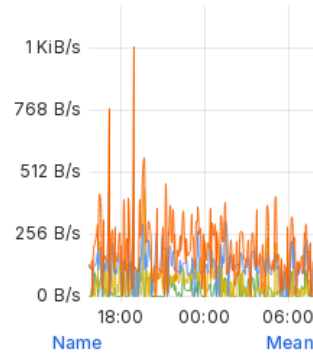
Miner Roles (SV2) - CPU Usa...



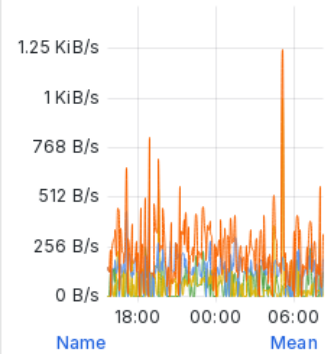
Miner Roles (SV2) - Memory ...



Miner Roles (SV2) - Network ...



Miner Roles (SV2) - Network ...



Uptime

17.5 hours

CPU Cores

4

CPU usage



Host Memory

8.34 GB

Memory usa...



Filesystem ...



Node Memory

