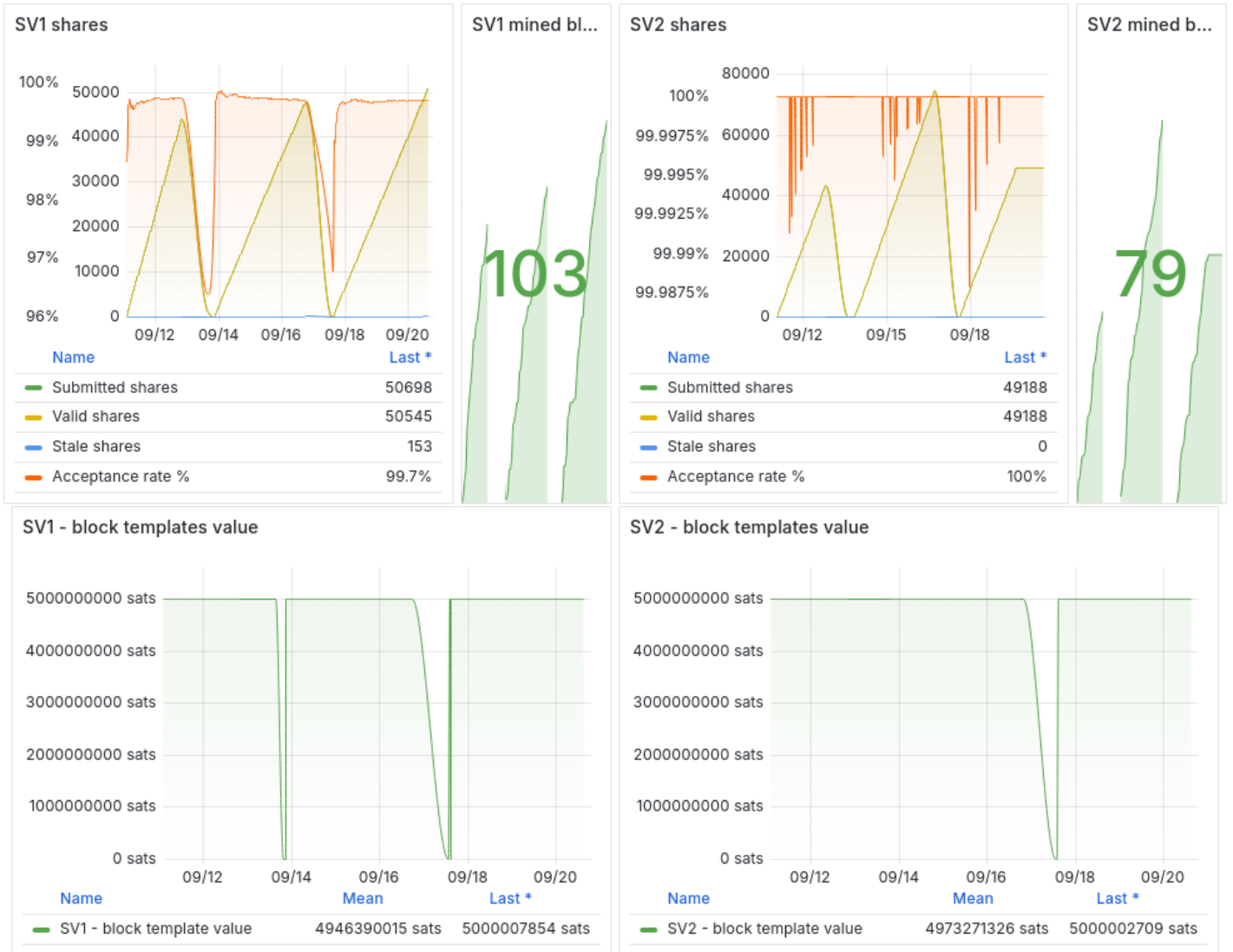


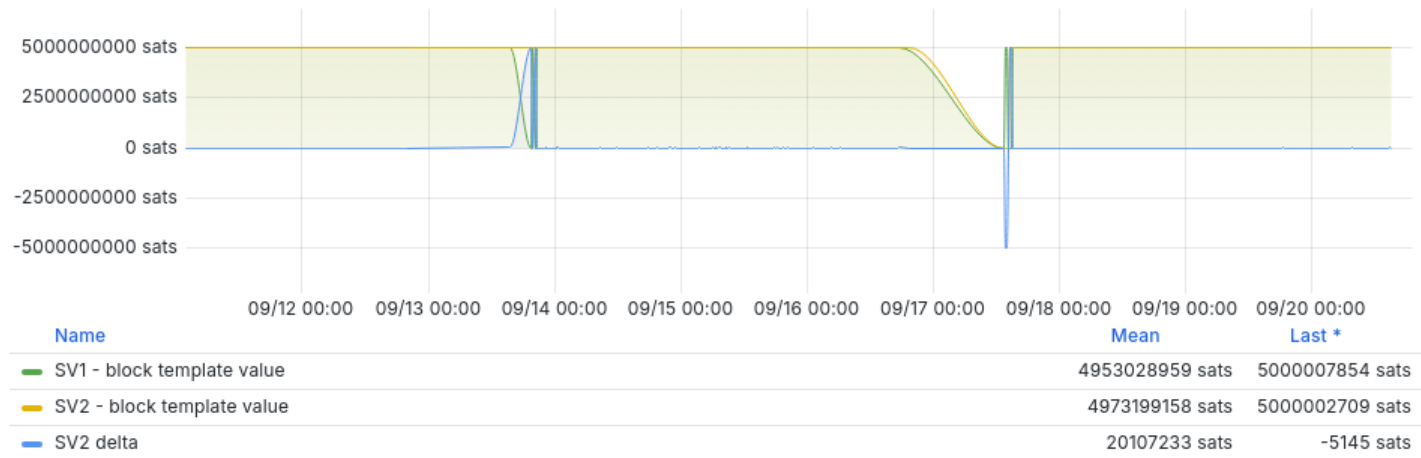
SRI benchmarking tool

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

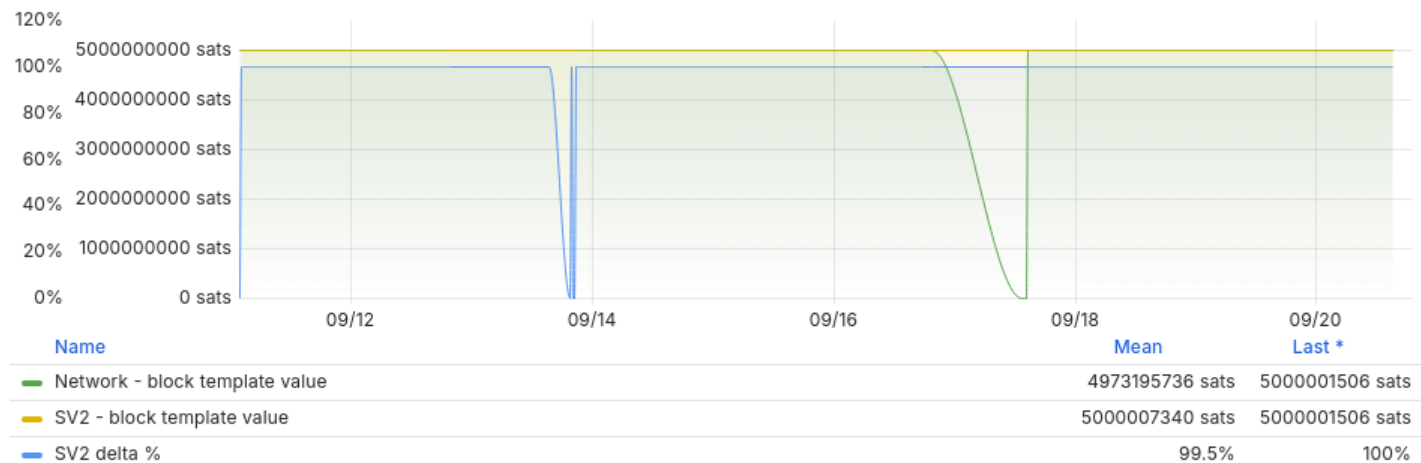
Wed Sep 11 01:55:00 UTC 2024
to
Fri Sep 20 19:00:00 UTC 2024



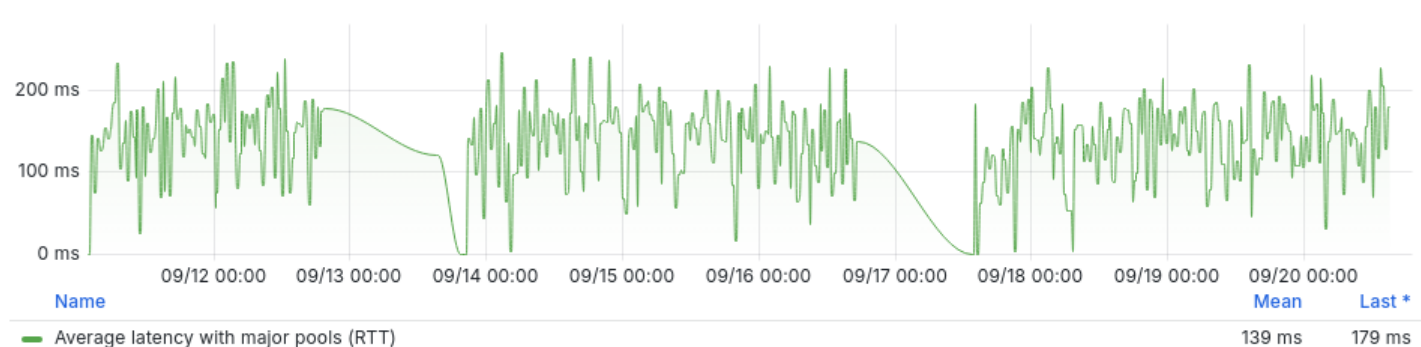
SV1 vs SV2 - block templates value



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



Average latency with major pools (RTT)



SV1 - time to get a new job from Pool



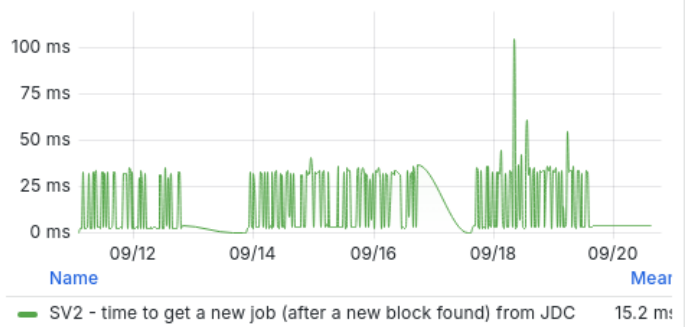
SV2 - time to get a new job from JDC



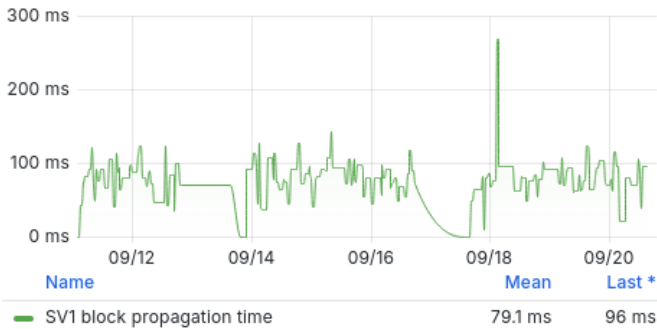
SV1 - time to get a new job (after a new block found) from Pool



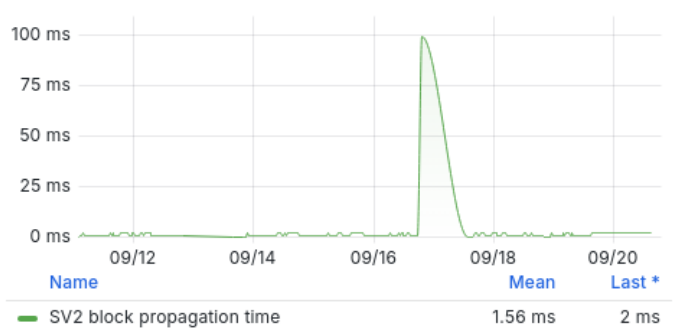
SV2 - time to get a new job (after a new block found) from JDC



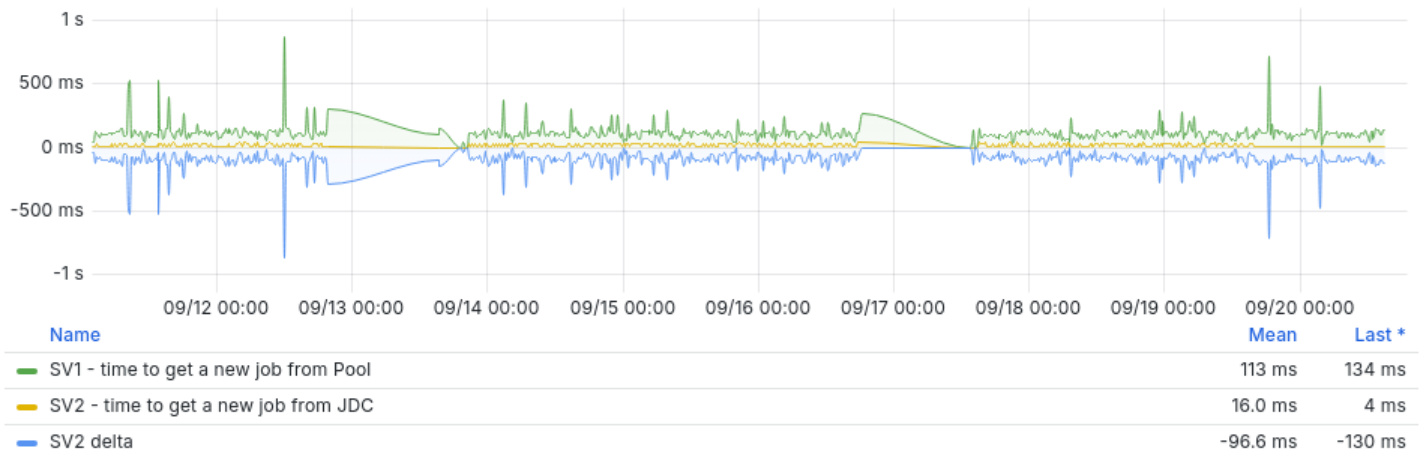
SV1 block propagation time



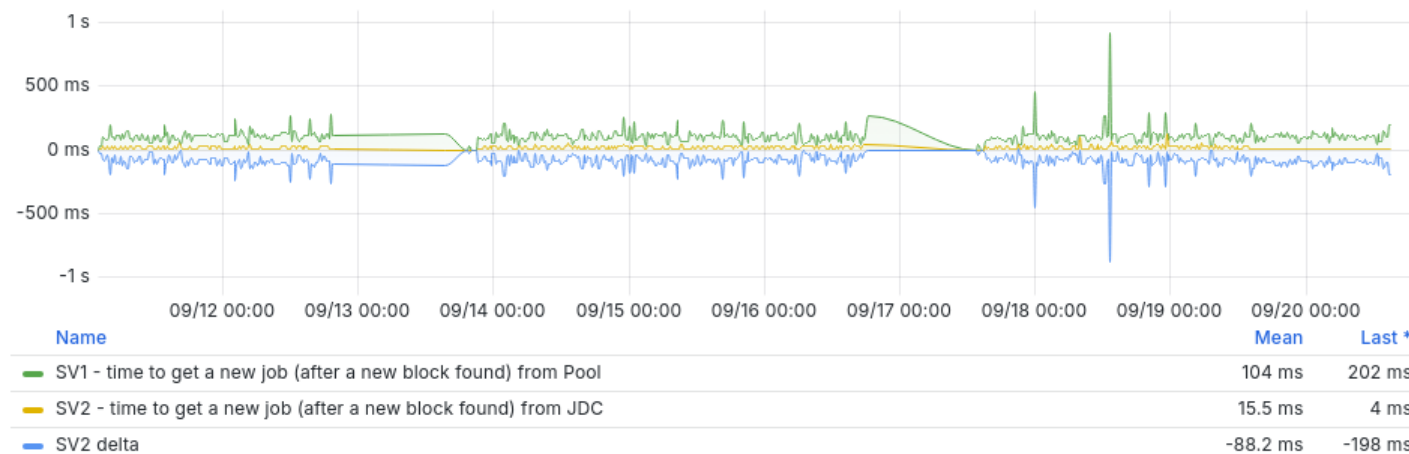
SV2 block propagation time



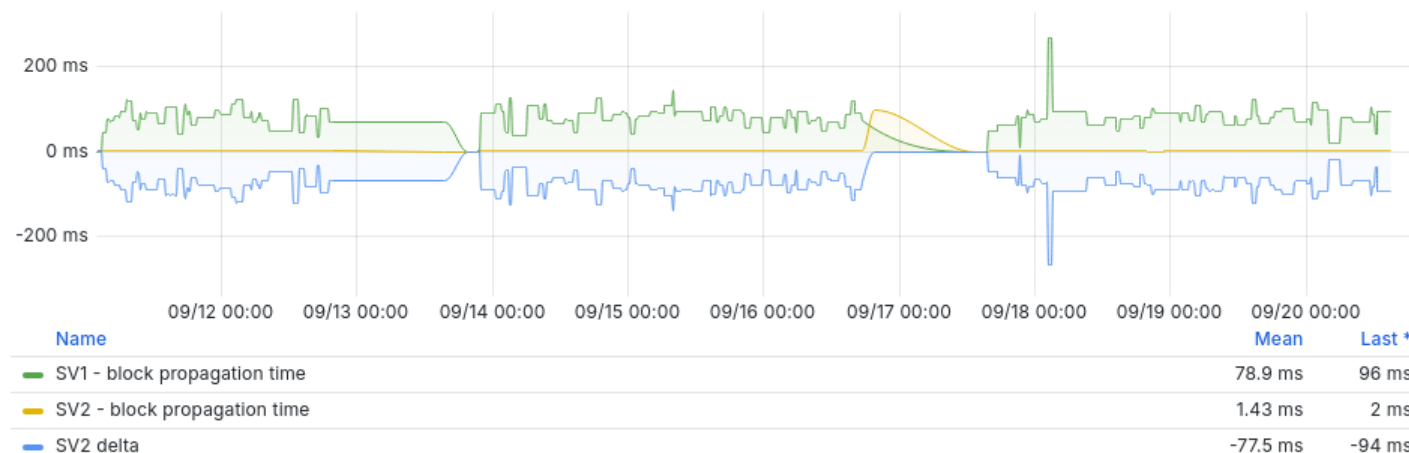
SV1 vs SV2 - time to get a new job from Pool/JDC



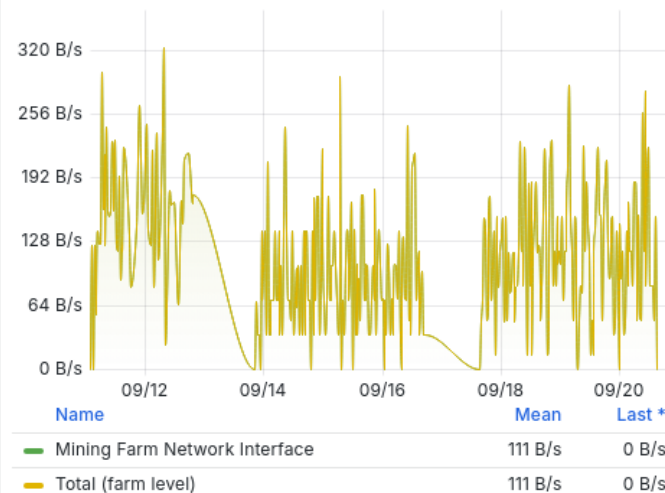
SV1 vs SV2 - time to get a new job (after a new block found) from Pool/JDC



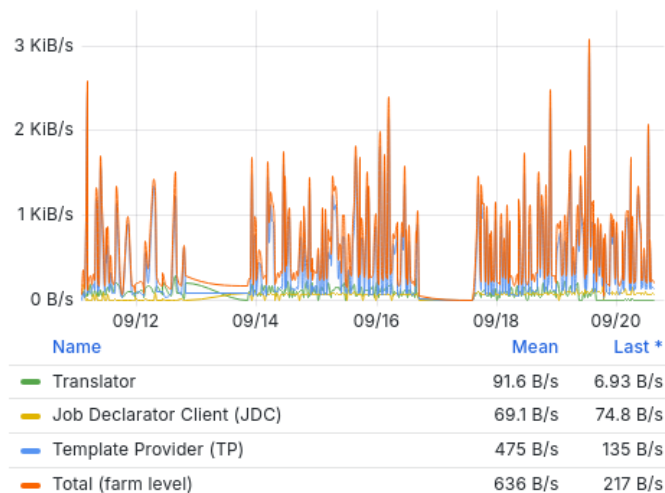
SV1 vs SV2 - block propagation time



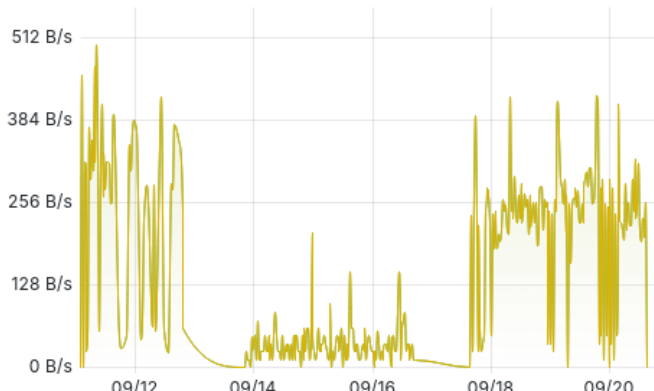
SV1 - Network Tx (farm level)



SV2 - Network Tx (farm level)

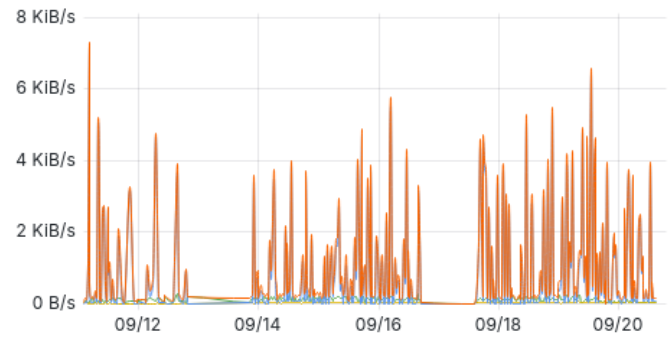


SV1 - Network Rx (farm level)



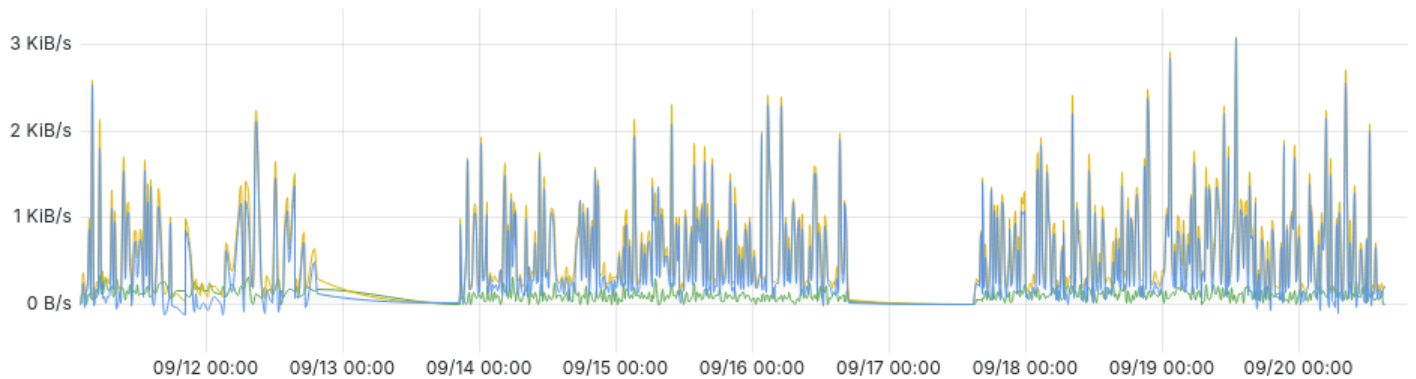
Name	Mean	Last *
Mining Farm Network Interface	151 B/s	0 B/s
Total (farm level)	151 B/s	0 B/s

SV2 - Network Rx (farm level)



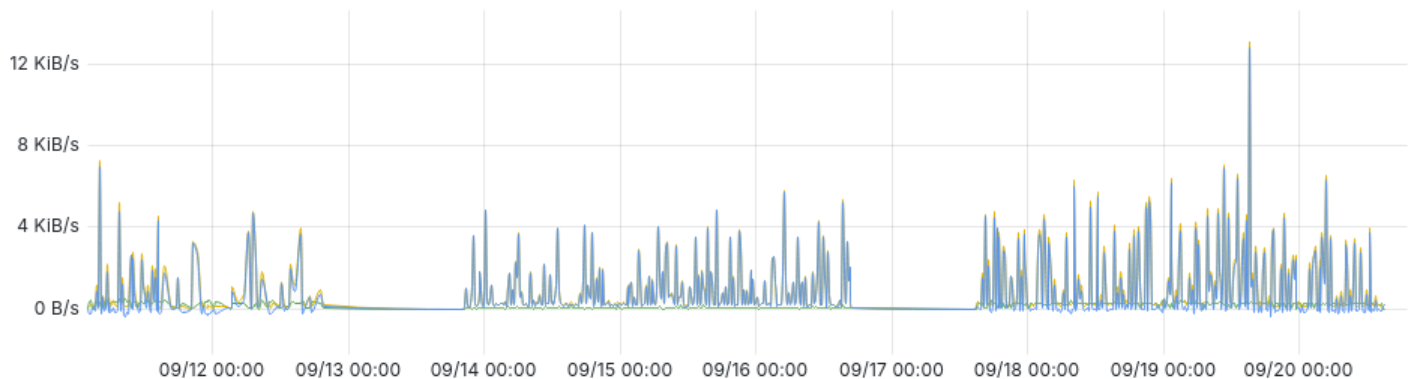
Name	Mean	Last *
Translator	121 B/s	52.5 B/s
Job Declarator Client (JDC)	33.9 B/s	39.5 B/s
Template Provider (TP)	908 B/s	69.3 B/s
Total (farm level)	1.04 KIB/s	161 B/s

SV1 vs SV2 - Network Tx (farm level)



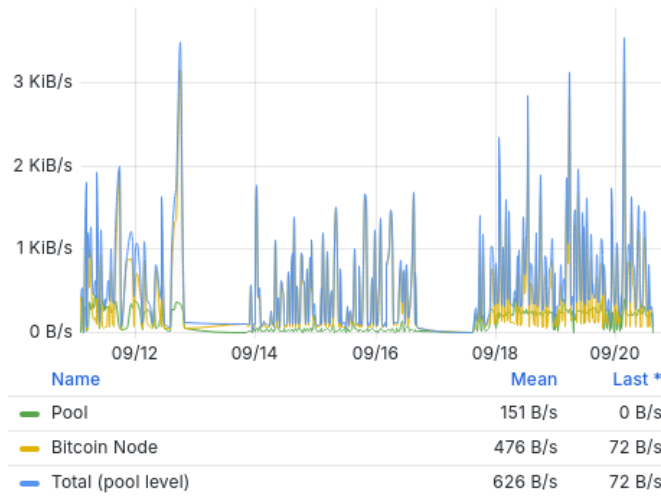
Name	Mean	Last *
SV1 (farm net interface)	112 B/s	0 B/s
SV2 (translator + jdc + tp)	636 B/s	217 B/s
SV2 delta	523 B/s	217 B/s

SV1 vs SV2 - Network Rx (farm level)

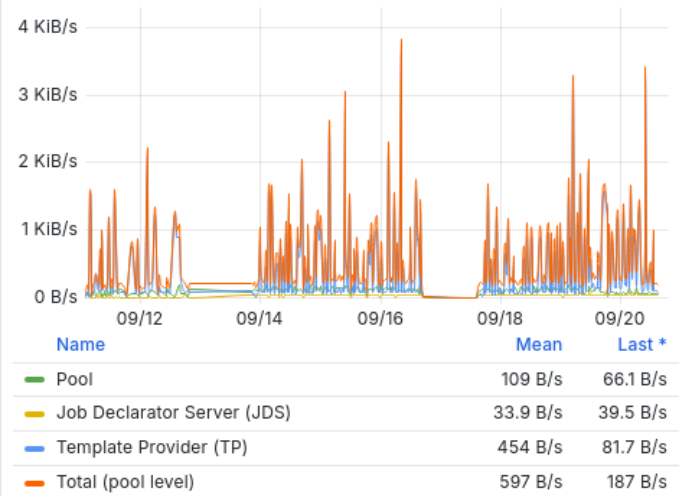


Name	Mean	Last *
SV1 (farm net interface)	154 B/s	0 B/s
SV2 (translator + jdc + tp)	1.04 KIB/s	161 B/s
SV2 delta	909 B/s	161 B/s

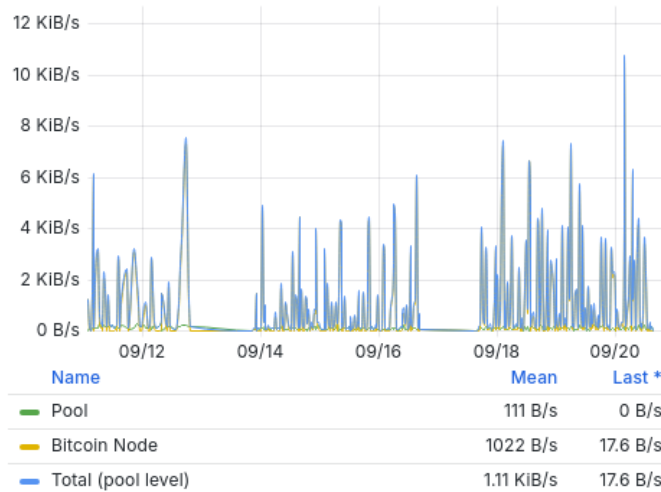
SV1 - Network Tx (pool level)



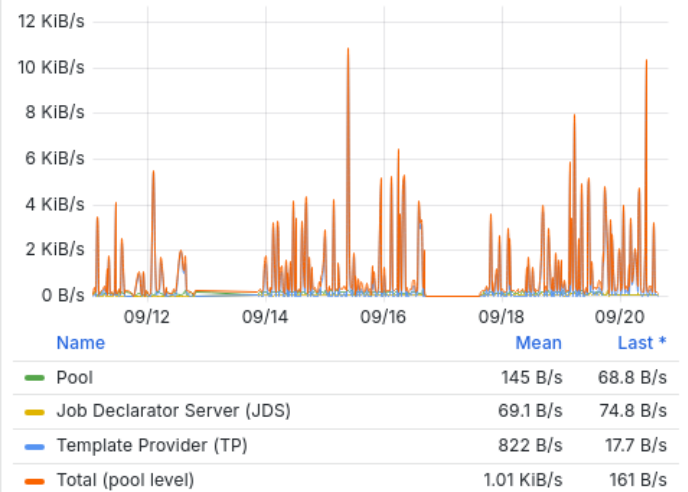
SV2 - Network Tx (pool level)



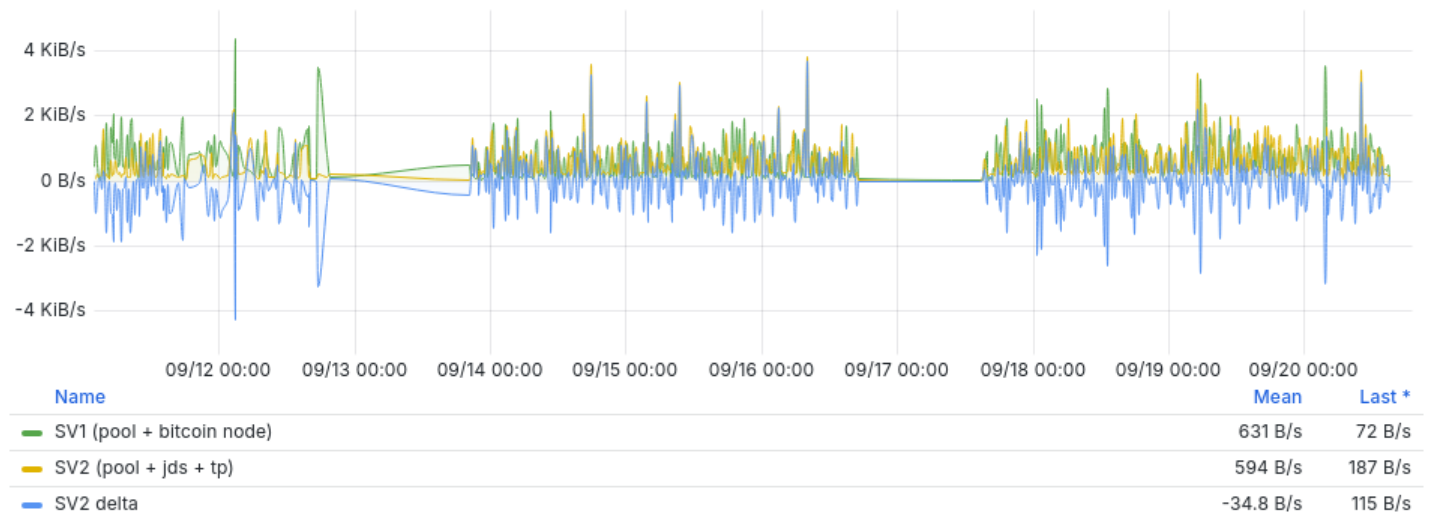
SV1 - Network Rx (pool level)



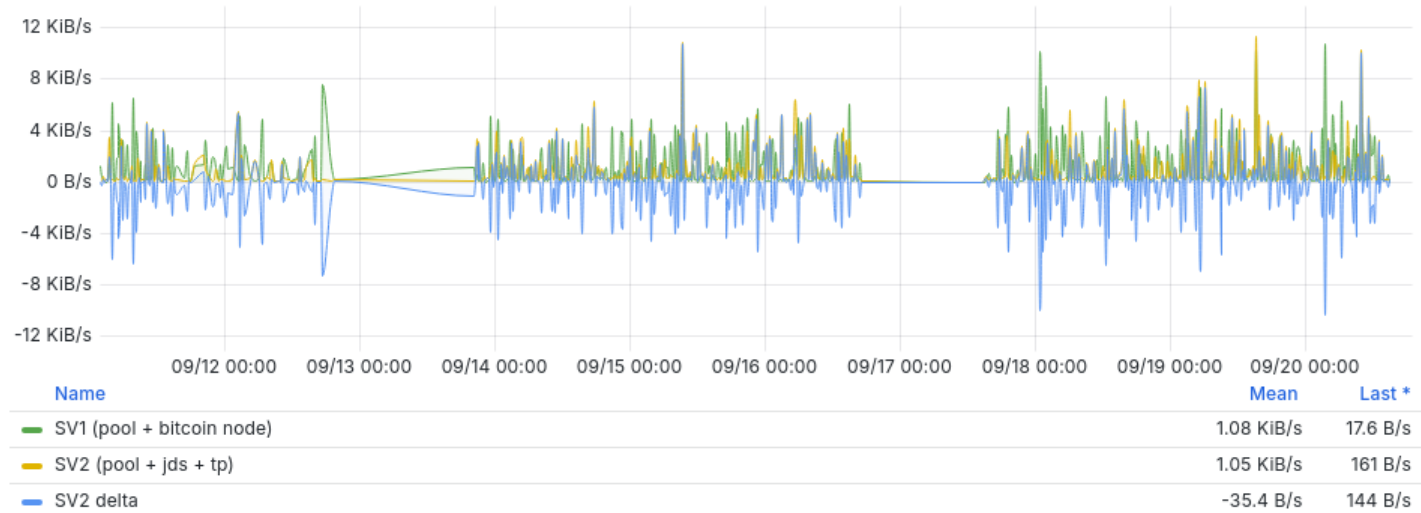
SV2 - Network Rx (pool level)



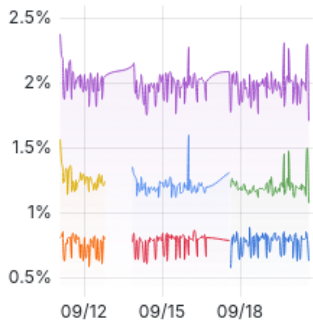
SV1 vs SV2 - Network Tx (pool level)



SV1 vs SV2 - Network Rx (pool level)

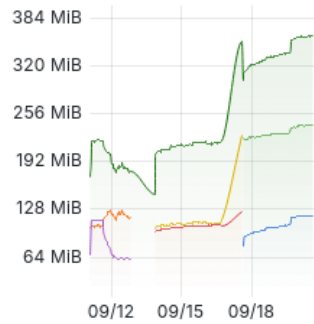


Pool Roles (SV1) - CPU Usage



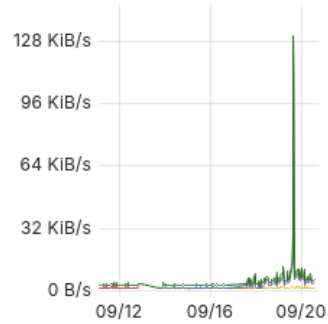
Name	Mean
sv1-pool	1.20%
sv1-pool	1.26%
sv1-pool	1.21%
sv1-node-pool-side	0.759%

Pool Roles (SV1) - Memory Us...



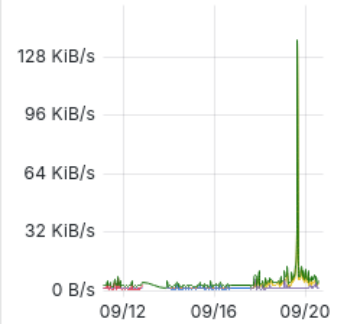
Name	Mean
sv1-pool	231 MiB
sv1-pool	110 MiB
sv1-pool	94.7 MiB
sv1-pool	116 MiB

Pool Roles (SV1) - Network Tx



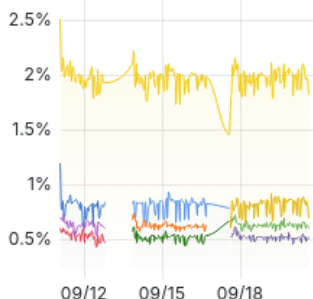
Name	Mean
sv1-pool	1.18 KIB/s
sv1-pool	1.71 KIB/s
sv1-pool	1.32 KIB/s
sv1-pool	1.28 KIB/s

Pool Roles (SV1) - Network Rx



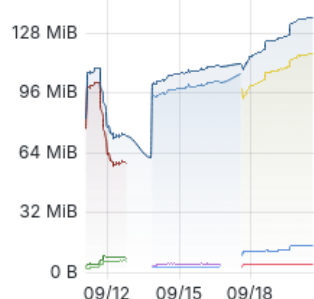
Name	Mean
sv1-pool	1.34 KIB/s
sv1-pool	6.94 KIB/s
sv1-pool	1.64 KIB/s
sv1-pool	1.58 KIB/s

Pool Roles (SV2) - CPU Usage



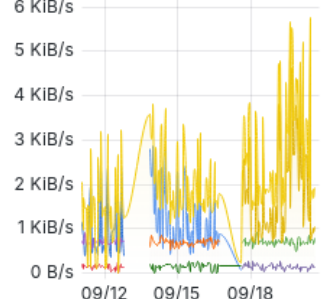
Name	Mean
sv2-jds	0.637%
sv2-tp-pool-side	0.818%
sv2-tp-pool-side	0.816%
sv2-jds	0.629%

Pool Roles (SV2) - Memory Us...



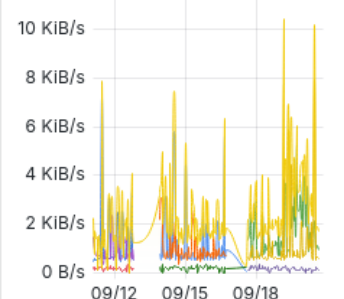
Name	Mean
sv2-pool	5.04 MiB
sv2-pool	5.49 MiB
sv2-pool	3.12 MiB
sv2-pool	3.94 MiB

Pool Roles (SV2) - Network Tx



Name	Mean
sv2-jds	712 B/s
sv2-tp-pool-side	1.94 KIB/s
sv2-tp-pool-side	1.17 KIB/s
sv2-jds	710 B/s

Pool Roles (SV2) - Network Rx



Name	Mean
sv2-jds	1.72 KIB/s
sv2-tp-pool-side	1.12 KIB/s
sv2-tp-pool-side	1.08 KIB/s
sv2-jds	1.01 KIB/s

