

Overview: lenovo

Report generated on Wednesday, 10 April 2024 at 20:42:48

Device configuration

Alias name	IP	Model	Serial	Version
lenovo	10.22.199.15	2806	S4BMH340	08.72.00.00

Capacity

Pool	Total [TiB]	Used [TiB]	Free [TiB]	Used [%]
dpool01	9.35	8.04	1.31	86
ssdvg01	1.45	1.27	0.18	88

Performance statistics

IO	Total [IOPS]		Read [IOPS]		Write [IOPS]	
	avg	max	avg	max	avg	max
dpool01	751	3464	109	904	642	3109
ssdvg01	176	1427	22	234	154	1193

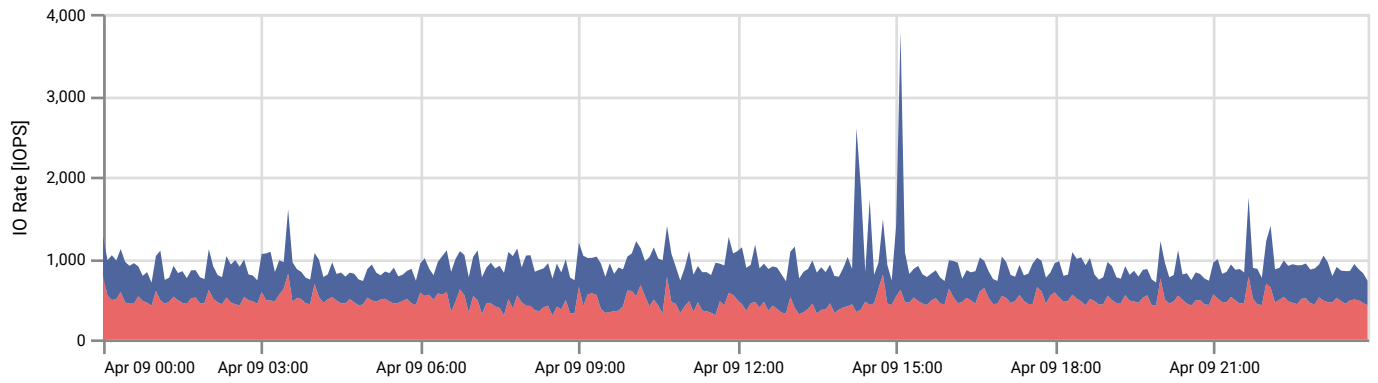
Data	Total [MB/s]		Read [MB/s]		Write [MB/s]	
	avg	max	avg	max	avg	max
dpool01	18.11	110.26	5.92	55.33	12.20	54.94
ssdvg01	2.02	34.78	0.12	10.82	1.90	33.46

Latency	Total [ms]		Read [ms]		Write [ms]	
	avg	max	avg	max	avg	max
dpool01	1.06	5.42	5.00	20.28	0.39	2.26
ssdvg01	0.18	0.79	0.04	0.15	0.20	0.86

Block size	Total [KiB]		Read [KiB]		Write [KiB]	
	avg	max	avg	max	avg	max
dpool01	23.6	135.7	57.1	311.4	18.6	86.6
ssdvg01	10.5	47.7	3.7	89.7	11.3	33.2

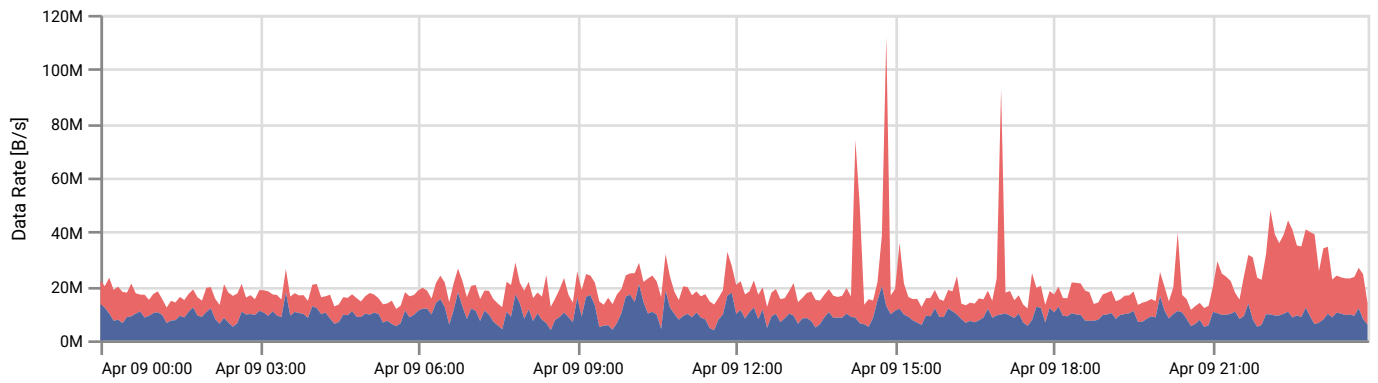
Graphs

Node IO Rate



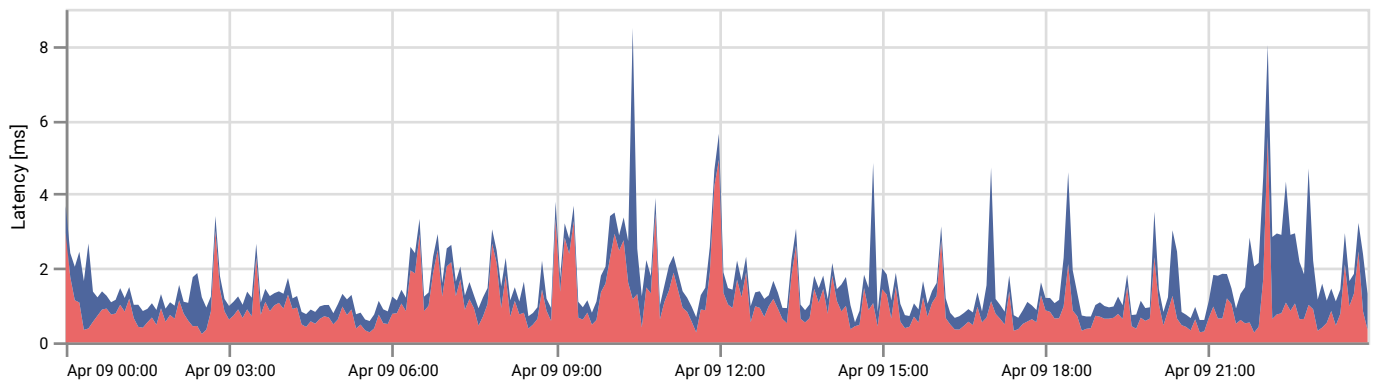
Item	Avg [IOPS]	Max [IOPS]
B	471	809
A	458	3171

Node Data Rate



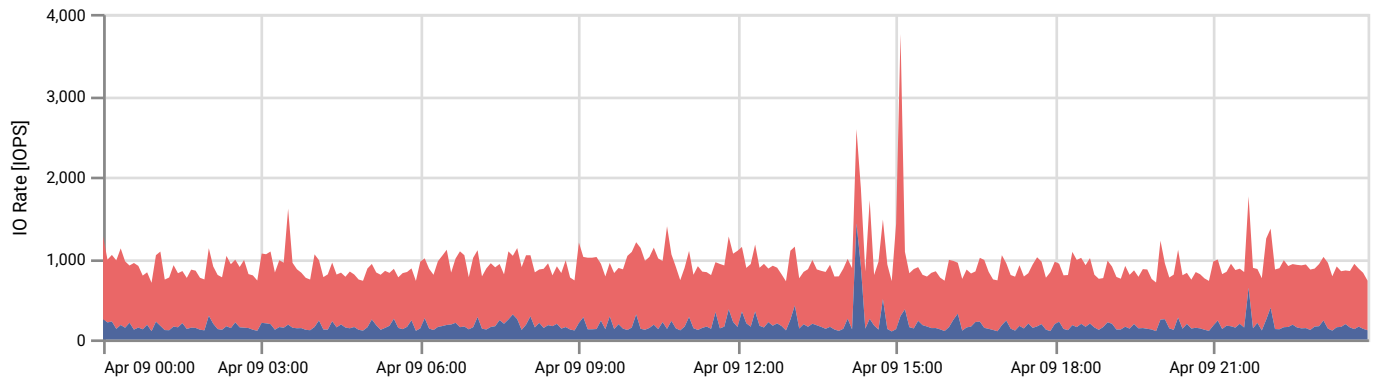
Item	Avg [MB/s]	Max [MB/s]
A	10.84	99.28
B	9.30	20.67

Node Latency



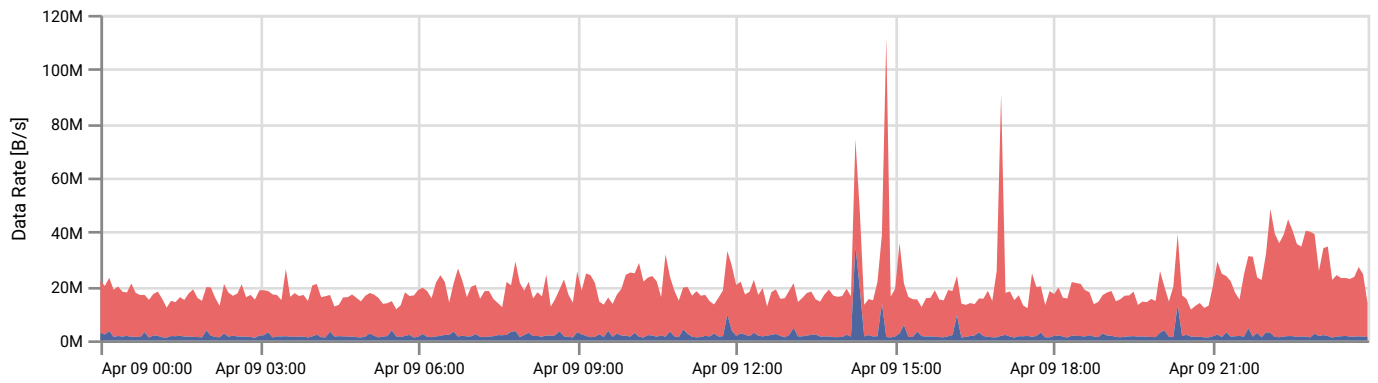
Item	Avg [ms]	Max [ms]
B	1.01	5.56
A	0.64	7.33

Pool IO Rate



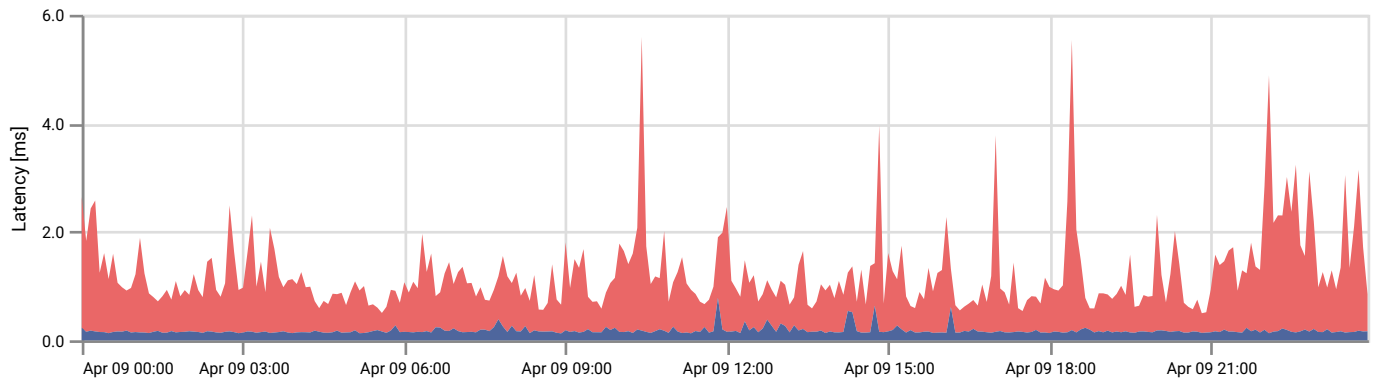
Item	Avg [IOPS]	Max [IOPS]
dpool01	752	3464
ssdvg01	176	1427

Pool Data Rate



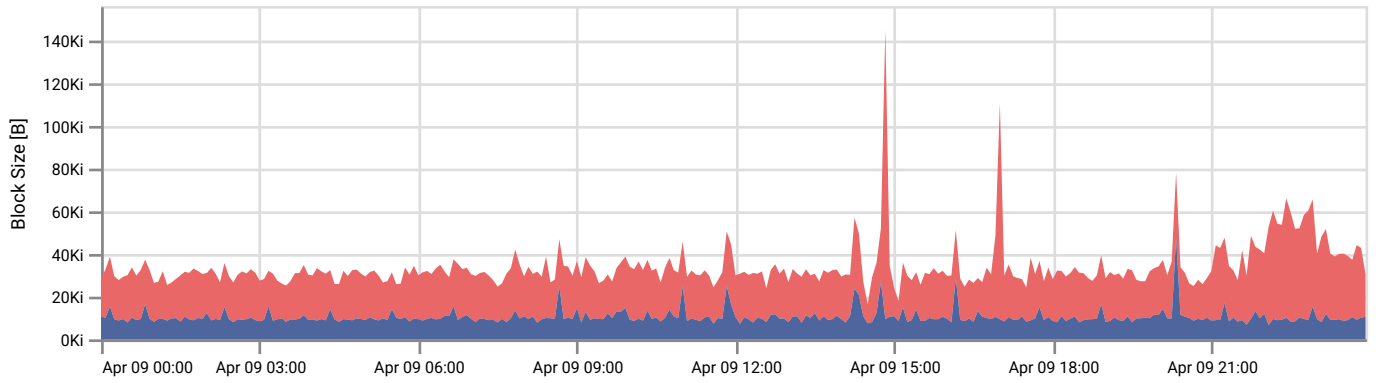
Item	Avg [MB/s]	Max [MB/s]
dpool01	18.11	110.25
ssdvg01	2.02	34.78

Pool Latency



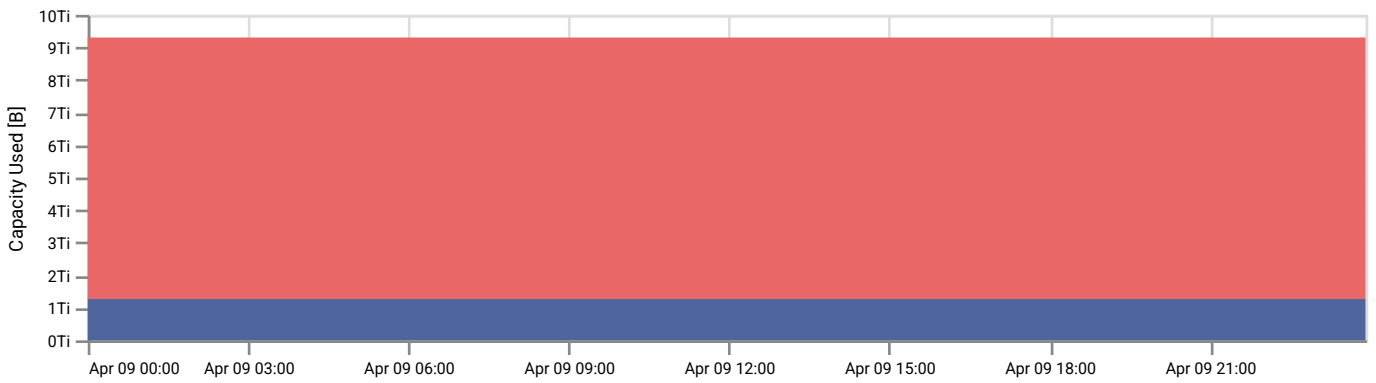
Item	Avg [ms]	Max [ms]
dpool01	1.06	5.42
ssdvg01	0.18	0.79

Pool Block Size



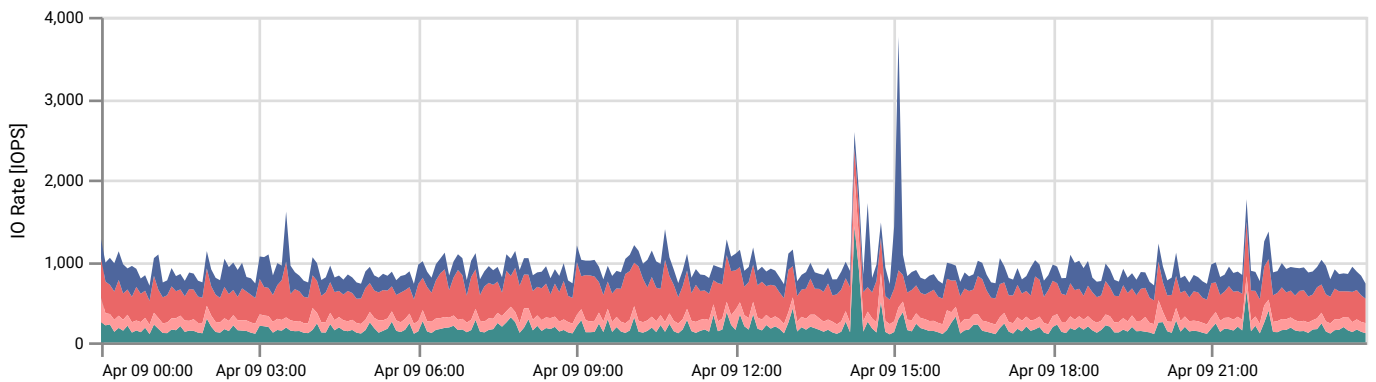
Item	Avg [KiB]	Max [KiB]
dpool01	23.6	135.7
ssdvg01	10.5	47.7

Pool Capacity Used



Item	Avg [TiB]	Max [TiB]
dpool01	8.1	8.1
ssdvg01	1.3	1.3

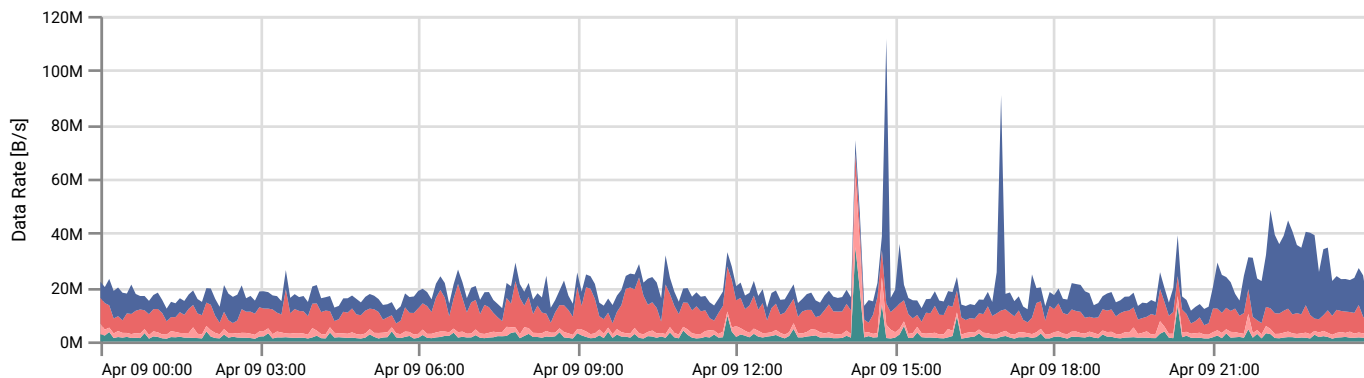
Volume IO Rate



Item	Avg [IOPS]	Max [IOPS]
SAN-lenovo-ds02	382	763
SAN-lenovo-ds01	235	2868
SAN-lenovo-ssd01	176	1427
SAN-lenovo-ds03	136	628
oVirt-RDM-host1-01	0	1

Item	Avg [IOPS]	Max [IOPS]
oVirt-RDM-host2-01	0	1
oVirt-RDM-host1-02	0	0

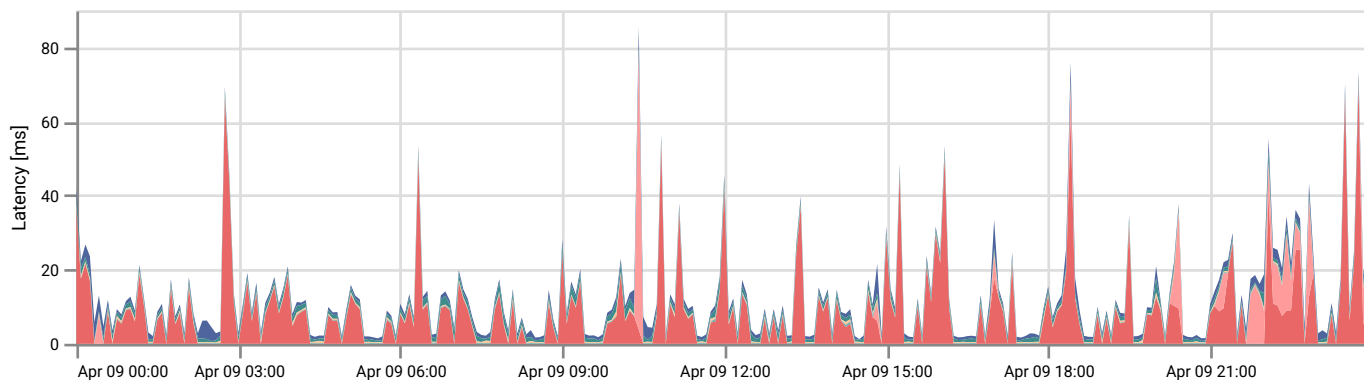
Volume Data Rate



Item	Avg [MB/s]	Max [MB/s]
SAN-lenovo-ds02	8.09	20.61
SAN-lenovo-ds01	8.08	97.49
SAN-lenovo-ssd01	2.02	34.78
SAN-lenovo-ds03	1.94	26.22
oVirt-RDM-host2-01	0.01	0.01

Item	Avg [MB/s]	Max [MB/s]
oVirt-RDM-host1-01	0.01	0.01
oVirt-RDM-host1-02	0.00	0.00

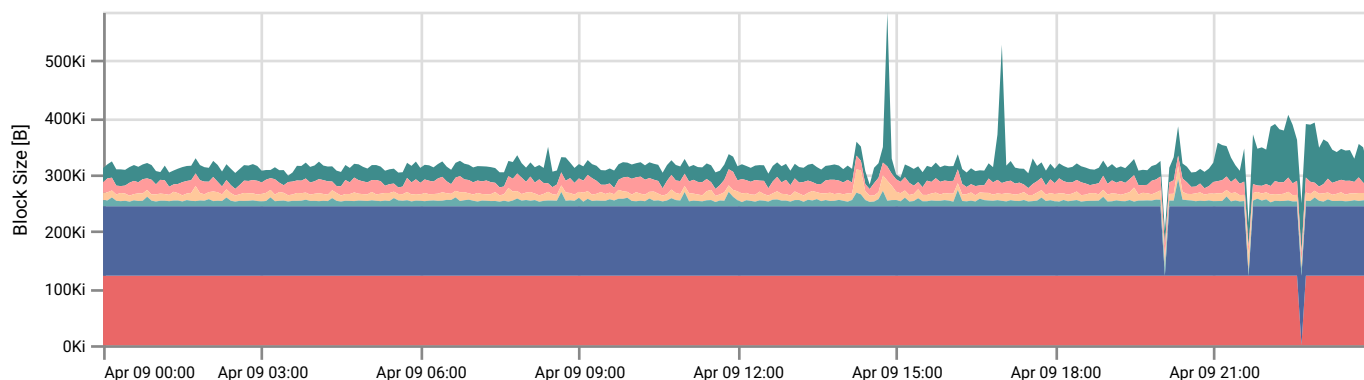
Volume Latency



Item	Avg [ms]	Max [ms]
oVirt-RDM-host2-01	8.37	69.91
SAN-lenovo-ds01	1.35	7.86
SAN-lenovo-ds02	1.17	4.05
oVirt-RDM-host1-01	1.13	74.30
SAN-lenovo-ds03	0.37	1.20

Item	Avg [ms]	Max [ms]
SAN-lenovo-ssd01	0.18	0.79
oVirt-RDM-host1-02	0.00	0.00

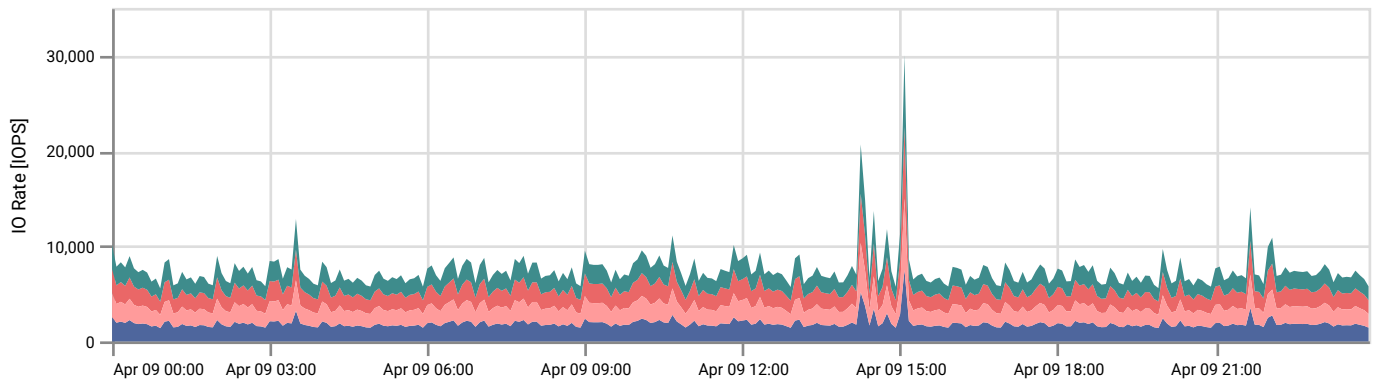
Volume Block Size



Item	Avg [KiB]	Max [KiB]
oVirt-RDM-host2-01	121.7	122.1
oVirt-RDM-host1-01	121.3	122.1
SAN-lenovo-ds01	33.4	270.8
SAN-lenovo-ds02	20.5	31.9
SAN-lenovo-ds03	13.3	42.5

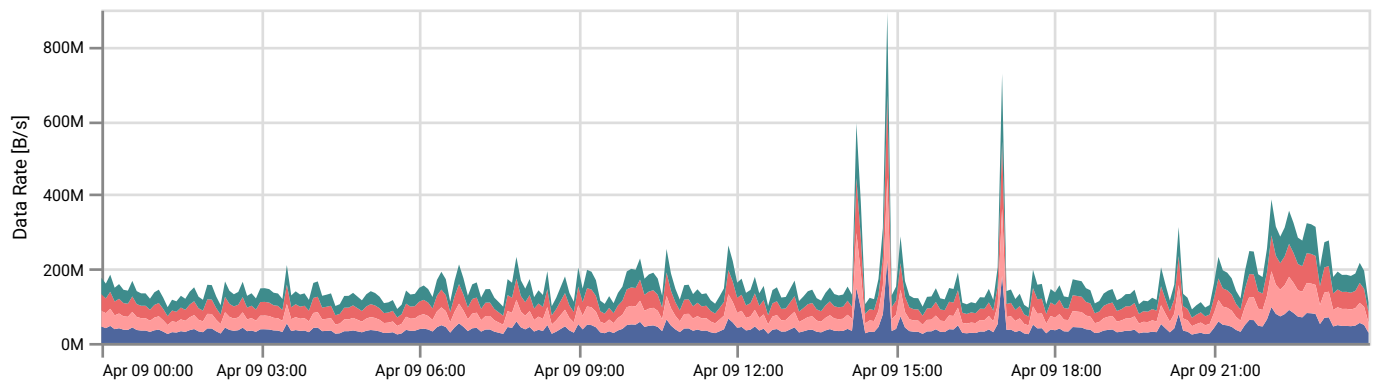
Item	Avg [KiB]	Max [KiB]
SAN-lenovo-ssd01	10.5	47.7
oVirt-RDM-host1-02	0.0	0.0

Host IO Rate



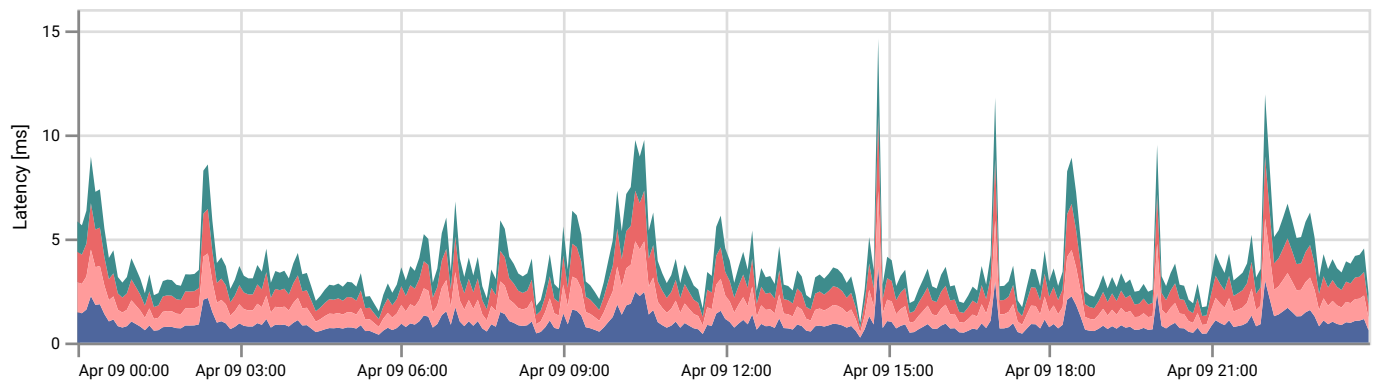
Item	Avg [IOPS]	Max [IOPS]
esxi103	1856	7505
esxi105	1856	7505
esxi101	1856	7505
esxi104	1856	7505

Host Data Rate



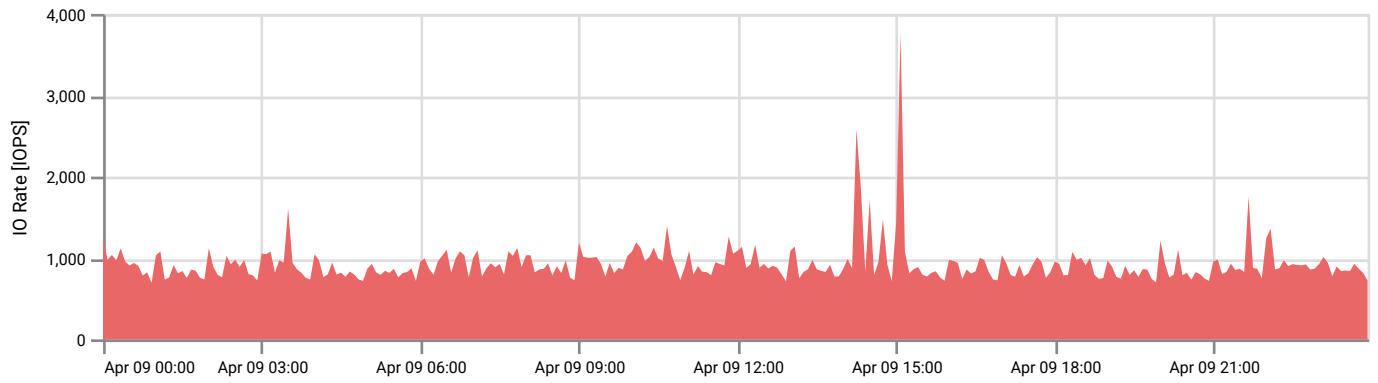
Item	Avg [MB/s]	Max [MB/s]
esxi103	40.26	222.98
esxi105	40.26	222.98
esxi101	40.26	222.98
esxi104	40.26	222.98

Host Latency



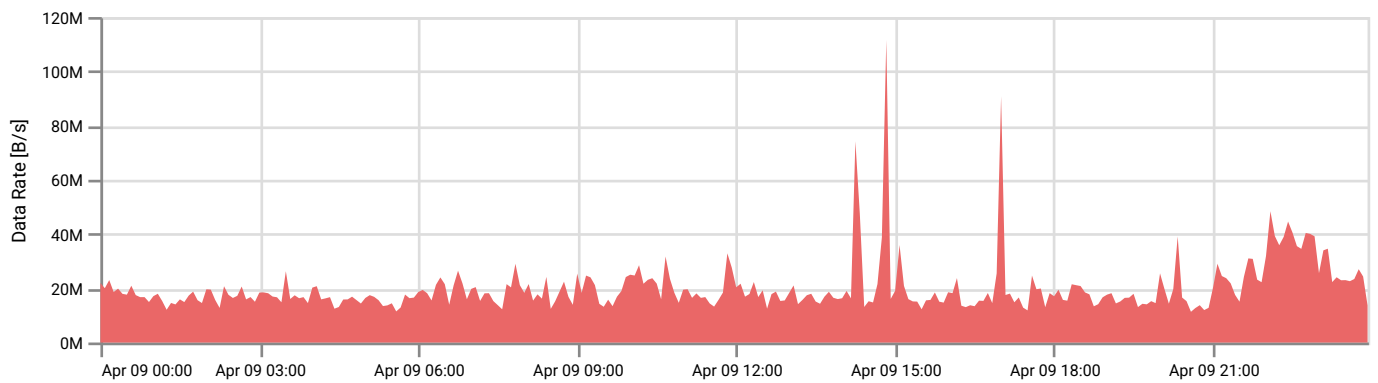
Item	Avg [ms]	Max [ms]
esxi103	0.95	3.65
esxi105	0.95	3.65
esxi101	0.95	3.65
esxi104	0.95	3.65

Host group IO Rate



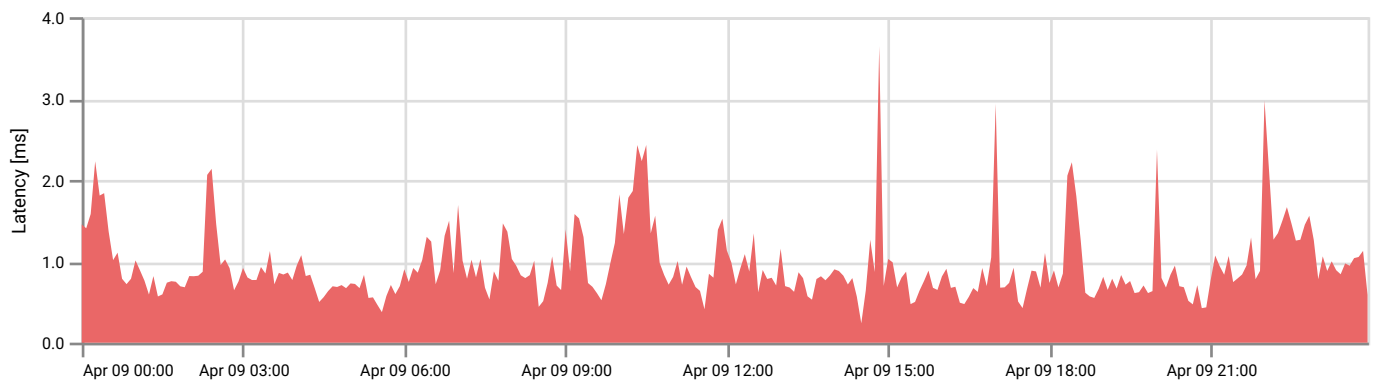
Item	Avg [IOPS]	Max [IOPS]
ESX_cluster	928	3753

Host group Data Rate



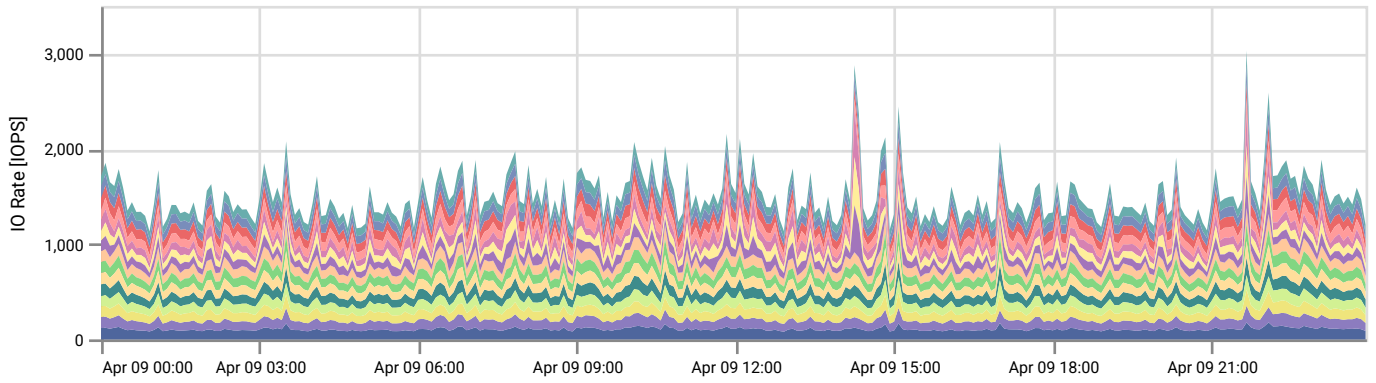
Item	Avg [MB/s]	Max [MB/s]
ESX_cluster	20.13	111.49

Host group Latency



Item	Avg [ms]	Max [ms]
ESX_cluster	0.95	3.65

Drive IO Rate

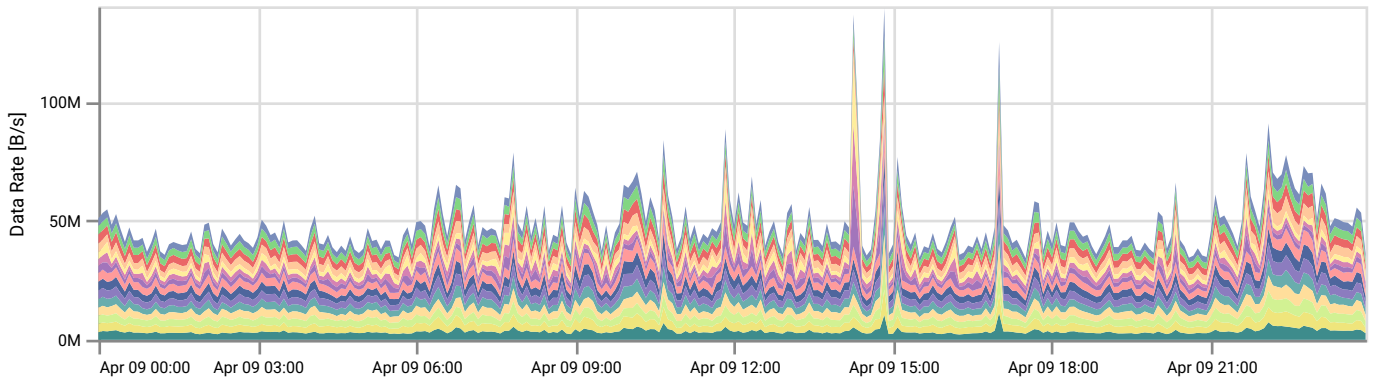


Item	Avg [IOPS]	Max [IOPS]
10	109	176
9	106	179
5	105	186
11	103	175
2	103	169

Item	Avg [IOPS]	Max [IOPS]
0	102	171
8	102	176
3	101	179
4	101	174
1	101	168

Note: Out of a total of 15 items only the first 10 are listed here.

Drive Data Rate

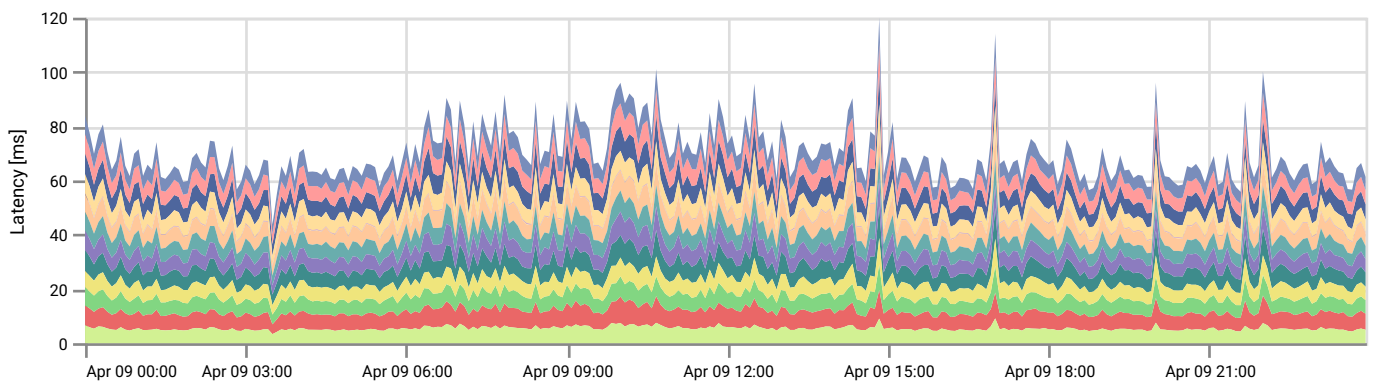


Item	Avg [MB/s]	Max [MB/s]
10	3.63	12.75
3	3.51	10.73
9	3.47	11.28
2	3.46	10.62
11	3.46	10.13

Item	Avg [MB/s]	Max [MB/s]
5	3.41	12.09
4	3.40	12.01
1	3.39	12.37
6	3.38	12.32
0	3.36	11.33

Note: Out of a total of 15 items only the first 10 are listed here.

Drive Latency

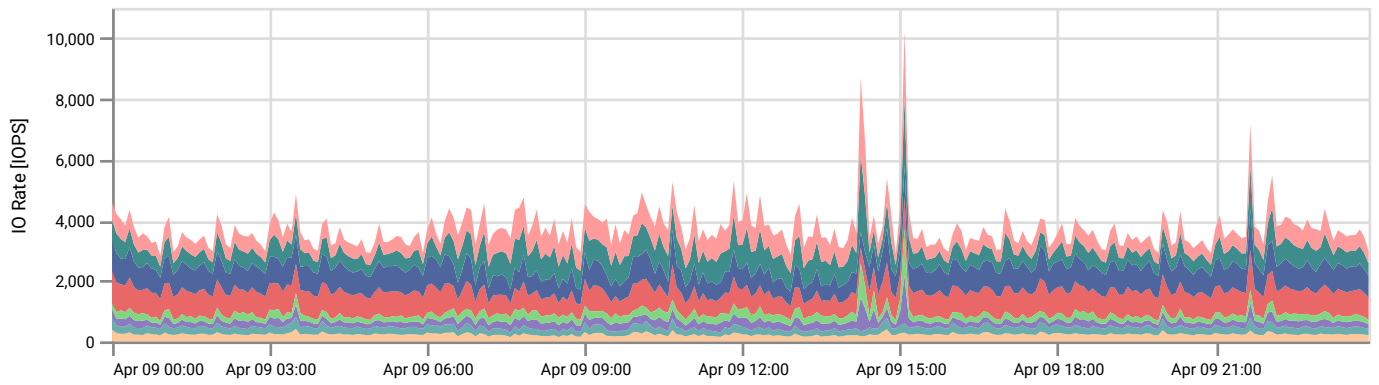


Item	Avg [ms]	Max [ms]
8	6.36	10.65
10	6.32	12.15
5	6.20	11.75
1	5.88	10.66
2	5.76	10.56

Item	Avg [ms]	Max [ms]
3	5.70	9.26
4	5.69	10.20
7	5.56	9.83
11	5.56	9.51
0	5.52	9.07

Note: Out of a total of 15 items only the first 10 are listed here.

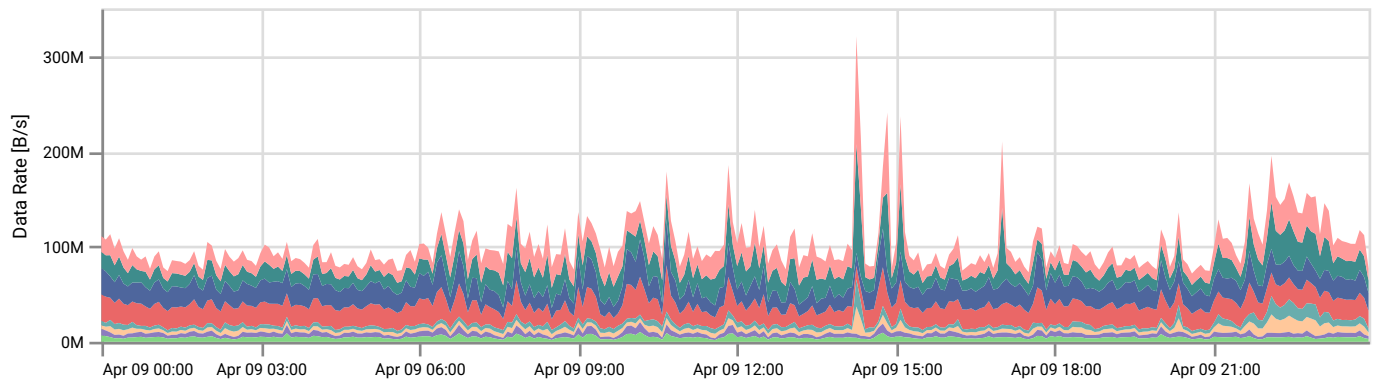
Port IO Rate



Item	Avg [IOPS]	Max [IOPS]
drive-sas-B2	771	1323
drive-sas-B1	769	1349
drive-sas-A2	625	2531
drive-sas-A1	622	2520
host-fc-B2	234	409

Item	Avg [IOPS]	Max [IOPS]
host-fc-B1	233	428
host-fc-A2	226	1570
host-fc-A1	226	1575

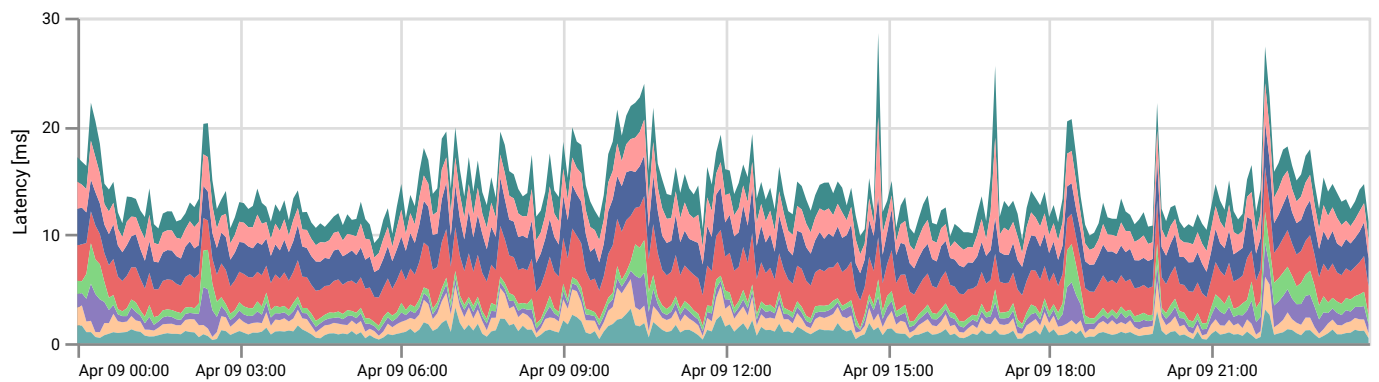
Port Data Rate



Item	Avg [MB/s]	Max [MB/s]
drive-sas-B2	21.53	48.77
drive-sas-B1	21.37	48.48
drive-sas-A2	19.95	114.12
drive-sas-A1	19.82	113.02
host-fc-A2	5.05	28.71

Item	Avg [MB/s]	Max [MB/s]
host-fc-A1	5.05	28.43
host-fc-B1	4.63	10.34
host-fc-B2	4.62	10.31

Port Latency



Item	Avg [ms]	Max [ms]
drive-sas-B2	3.07	4.79
drive-sas-B1	2.98	4.49
drive-sas-A1	2.06	7.73
drive-sas-A2	2.05	7.37
host-fc-B1	1.10	3.03

Item	Avg [ms]	Max [ms]
host-fc-B2	1.10	3.29
host-fc-A2	0.86	3.61
host-fc-A1	0.84	3.73