# Issuer and Verifier Postgres Metrics

Performance metrics for Postgres (based on: https://grafana.com/grafana/dashboards/6742 and https://grafana.com/grafana/dashboards/455)

Mon Apr 25 09:38:03 UTC 2022
to
Mon Apr 25 09:47:23 UTC 2022

Version	Max Conne…	Shared Buffers	Effective Cache	Maintenance Wor…	Work Mem	Max WAL S…
13.1.0	200	128 MiB	4 GiB	64 MiB	4 MiB	1.0 GiB

	Random P…	Seq Page C…	Max Worker Proc…	Max Parallel Wor…
	4	1	8	8

Connections
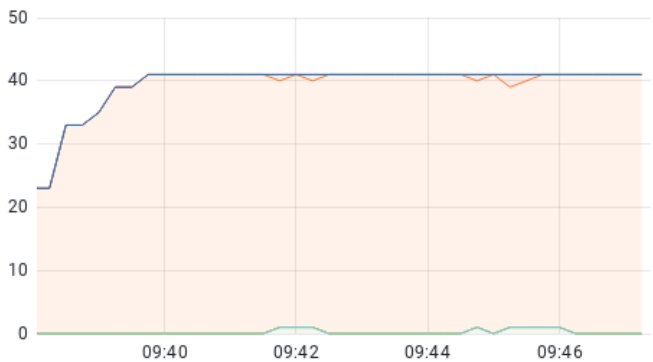
	min	max	avg	current
active	0	1	0.211	0
idle	23	41	39	41
idle in transaction	0	2	0.158	0

Transactions (per Minute)
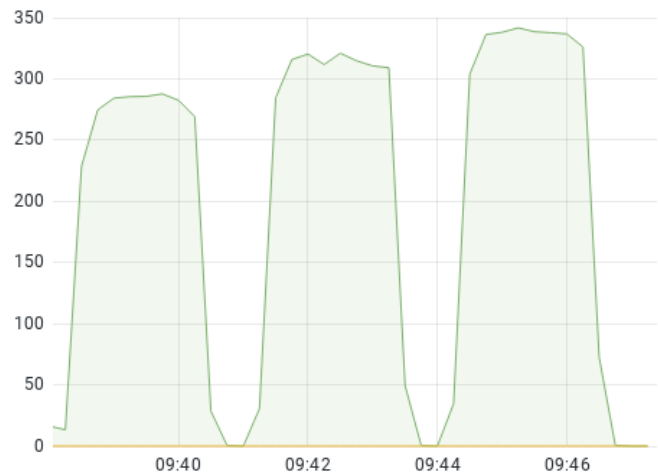
— commits — rollbacks

Rows (per Minute)
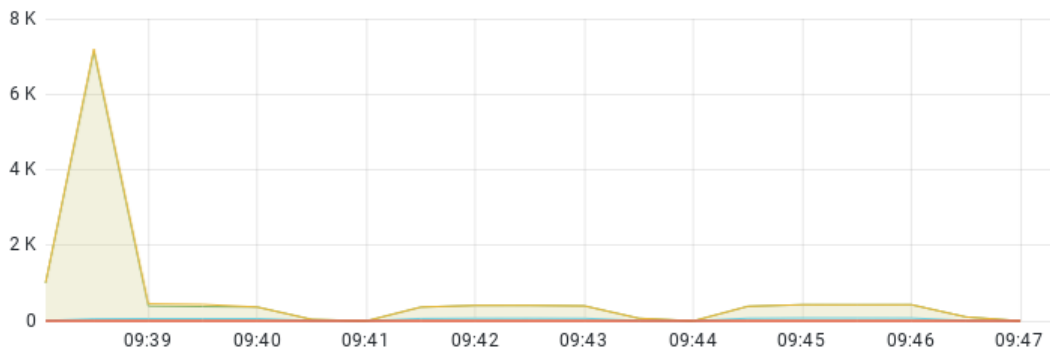
	min	max	avg
fetched	0	7.14 K	628
returned	0	7.20 K	638
inserted	0	77.3	43.4
updated	0	0.333	0.0175
deleted	0	0.400	0.0211

Read Stats (per Minute)

	min	max	avg	current
SELECT (index scan)	0	7.14 K	518	0
SELECT (table scan)	0	7.20 K	547	0

Change Stats (per Minute)

	min	max	avg	current
INSERT	0	77.3	43.6	0
UPDATE	0	0.867	0.168	0
DELETE	0	1.53	0.293	0

Longest Transaction

	min	max	avg	current
max_tx_duration [active]	-1.6 ms	51.5 ms	5.61 ms	0 s
max_tx_duration [idle in transaction]	0 s	24.6 ms	1.45 ms	0 s
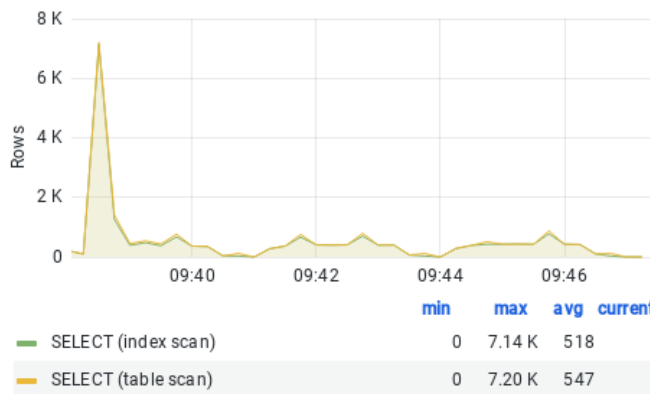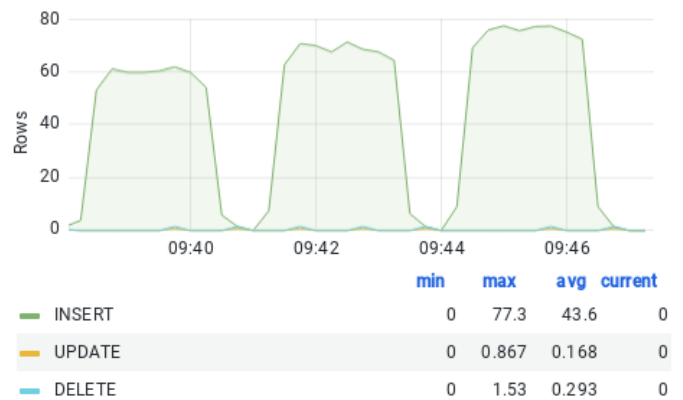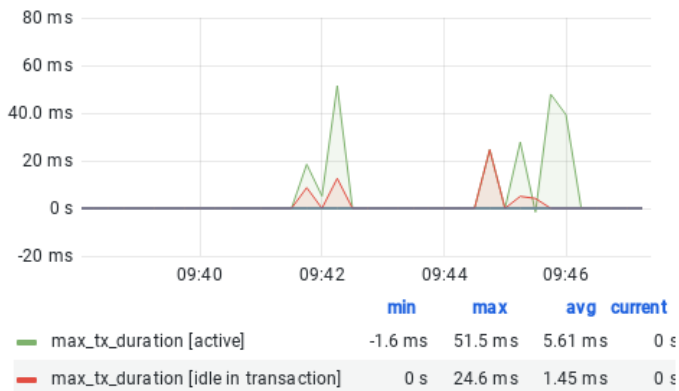
Cache Hit Rate
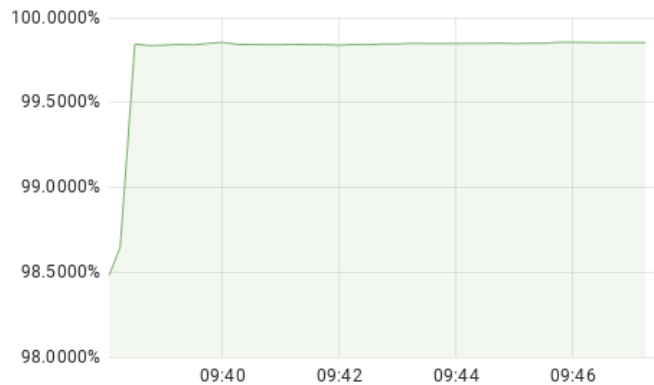
Buffers - bgwriter (per Minute)

	min	max	avg	current
buffers_backend	0	546	22.7	0
buffers_alloc	0	88.7	28.6	0.133
backend_fsync	0	0	0	0
buffers_checkpoint	0	70.5	18.3	0
buffers_clean	0	2.07	0.112	0
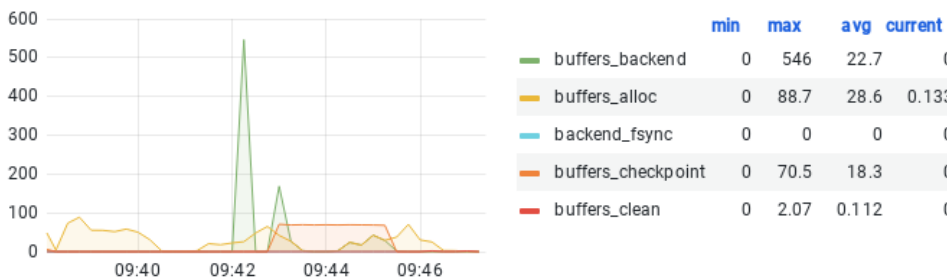
Conflicts/Deadlocks (per Minute)

conflicts   deadlocks

Lock Tables

	min	max	avg	current
accessexclusivelock	0	0	0	0
accesssharelock	0	2	0	0
exclusivelock	0	0	0	0
rowexclusivelock	0	8	1	0
rowsharelock	0	8	1	0
sharelock	0	0	0	0
sharerowexclusivelock	0	0	0	0
shareupdateexclusivelock	0	0	0	0
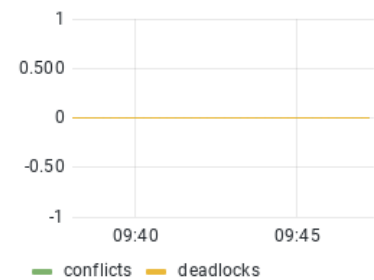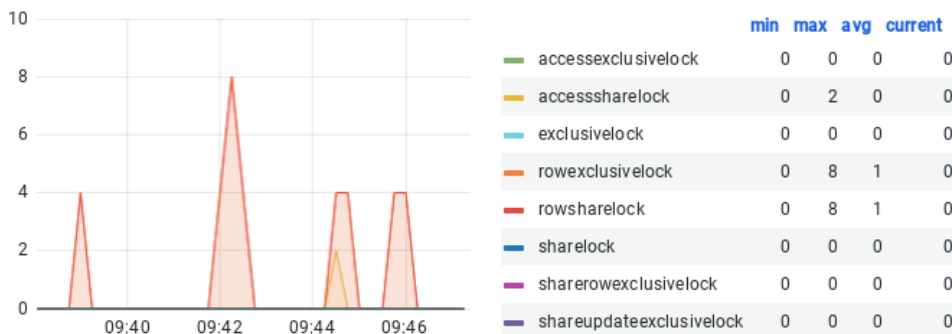
Temp File

Checkpoint Stats

	min	max	avg	current
write_time - Total amount of time that has been spent in the portion of checkpoint processing where files are writte…	0 ms	9.94 s	262 ms	0 ms
sync_time - Total amount of time that has been spent in the portion of checkpoint processing where files are synchr…	0 ms	107 ms	2.85 ms	0 ms