Textkernel

As far as I learn

- %20 growing yearly
- Probably its data is growing more
- Under current circumstances (pandemic) can grow faster
- Al base tech. company, to connect jobs and jobseeker.
- DBs: Postgresql, ELK, Cassandra, partly mysql
- Multicultural work environment

Mustafa YAVUZ

Describes himself DB Dev&Ops.

Extensive experience.

Both RDBMS&NoSQL

Computer Engineer

My Strategy Summarize

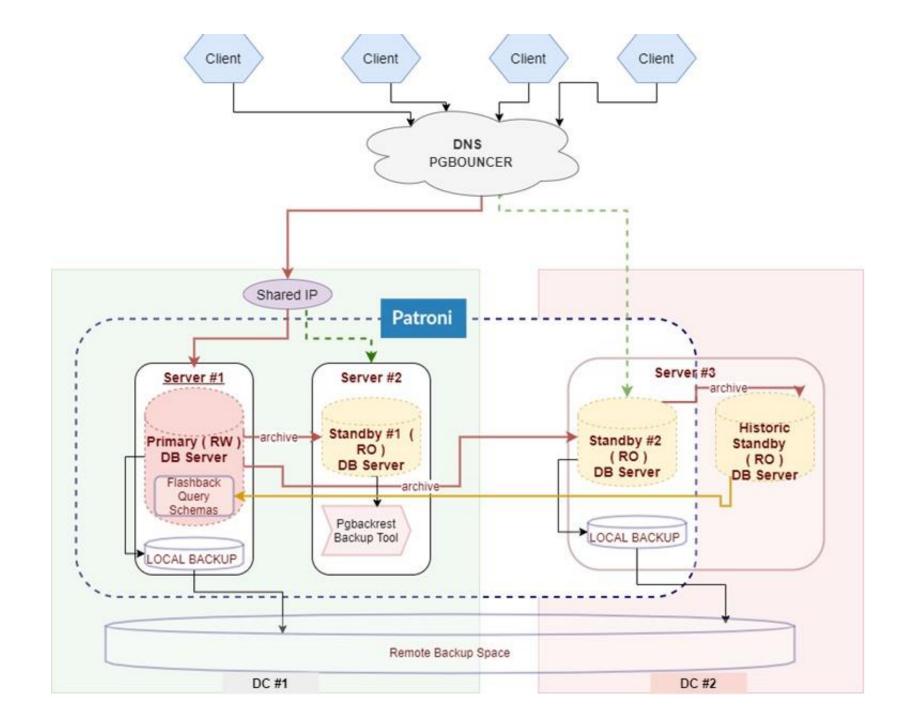
- Keep Somethings (If it is good)
- Improve Somethings (If it would be better)

How can I contribute The Company

- High Availibility & Backup
- Monitoring & Performance Tuning
- Automaiton&Configuration&Maintenance
- Alarm&Notification
- Security&Audit
- Cost Efficiency

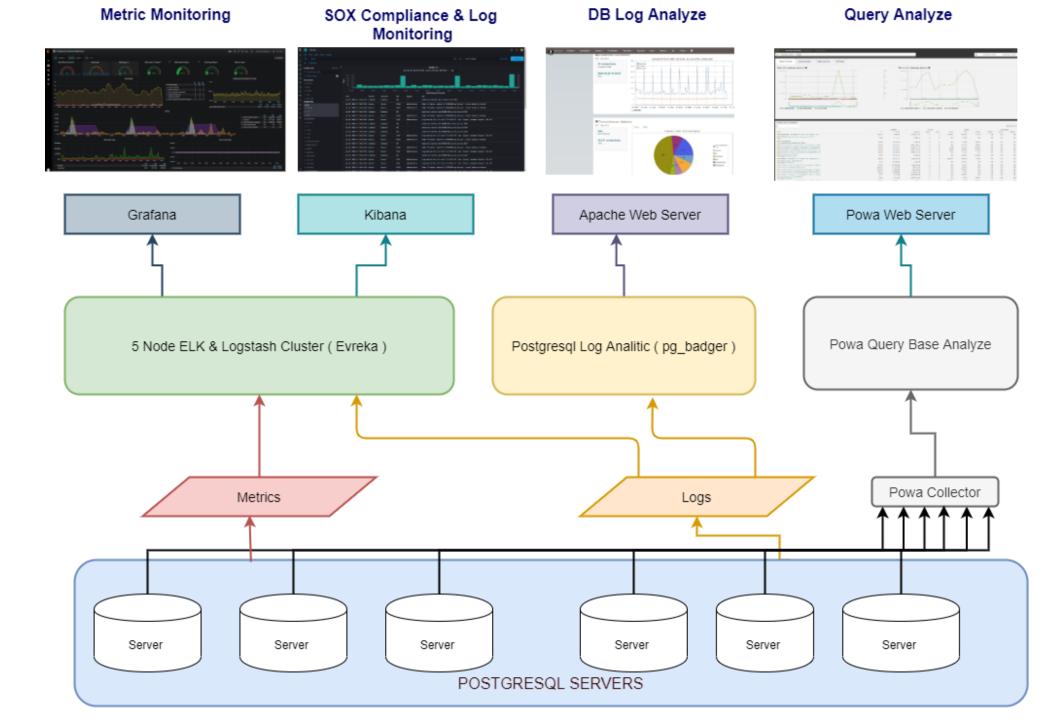
High Availibility & Backup

- Automated Primary Secondry switches (HA)
- Client Isolation (With DNS & Shared IP) (HA)
- Backup for Hardware Failure
- Backup for Disaster Recovery (Multi DC)
- Backup for Application Level Mistakes (Historical Standby)



Advanced Monitoring & Performance Tuning

- Metrics Monitoring (Grafana & Elastic & Metricbeat)
- Log Monitoring (Kibana & Elastic & Filebeat)
- DB Log Analytic (pgbadger)
- Query Details (Powa)
- OS level (pg_top, pg_activity)
- Central Monitoring DB (support for Grafana Screens)
- DB&OS Tuning Parameters (OLTP OLAP&Analytic)





kernel system

1.72%

2.91%

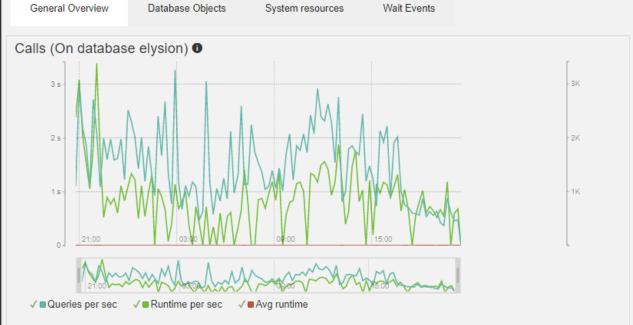
2.36% 5.55% 3.78% 3.80%

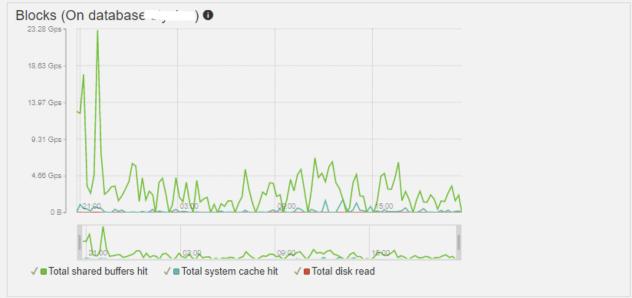
2.03%

1.84%

2021-02-12 20:41:15 20

2021-02-13 20:41:15





Details for all queries

l

▲ Export CSV

Query # Time ▼ Avg time	Read Write	Б				Temp blocks	
# Time Avg une		Read	Hit	Dirtied	Written	Read	Written
SELECT * FROM " 168,052.00 3 hours 34 min 76 ms 608 μs	27 ms 246 μs 0	53.09 M	19.76 T	71.63 M	0 B	0 B	0 B
SELECT p. "C 1", p. ", p. " 45,687.00 3 hours 2 min 239 ms 661 µs	27 ms 71 μs 438 μs	15.20 M	36.12 T	278.99 M	136.00 K	0 B	0 B
SELECT s."Text", s."1 " as "Value" FROM (SELECT U.' _ , 1", U."Disp 54,027.00 1 hour 5 min 73 ms 196 μs	757 ms 426 µs 0	27.52 M	59.48 T	64.00 K	0 B	0 B	0 B
select * from el,g"0	1 hour 18 min	9.01 T	763.31 G	375.90 M	1.45 G	0 B	0 B
SELECT * FROM 207.00 47 min 23 s 13 s 734 ms	8 min 20 s 65 ms 178 μs	1.19 T	13.49 T	27.20 M	77.70 M	0 B	0 B
SELECT s.""-1 6,964.00 46 min 38 s 401 ms 833 μs	152 ms 277 μs 0	31.57 M	2.90 T	0 B	0 B	0 B	0 B
select " 359.00 44 min 26 s 7 s 428 ms	4 s 157 ms 59 ms 864 μs	3.90 G	8.03 T	176.41 M	88.08 M	0 B	0 B
select count(*) from e 50.00 39 min 12 s 47 s 56 ms	59 min 39 s 1 s 80 ms	6.30 T	478.14 G	158.13 M	1022.96 M	0 B	0 B

Alarm&Notification

- Grafana alarms for Performance issius
- Ent. with company alarm infra.
- Daily routine reports

Automaiton&Configuration (with CI&CD)

- Ansible (Mostly)
- Python (When it is needed.)
- DB level Programing. (plpgsql)

Security&Audit

- Server&Network Level Controls.
- DB Level Control (SSL if needed, pg_hba etc.)
- Audit with ELK (Elasticsearh&Logstash&Kibana)

Cost

- No Software Cost (using OpenSource solutions)
- Cost balanced solutions