

# USING QUERY STORE TO UNDERSTAND POSTGRESQL PERFORMANCE

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# Grant Fritchey

## DevOps Advocate

Microsoft Data Platform MVP  
AWS Community Builder



@gfritchey



grant@scarydba.com

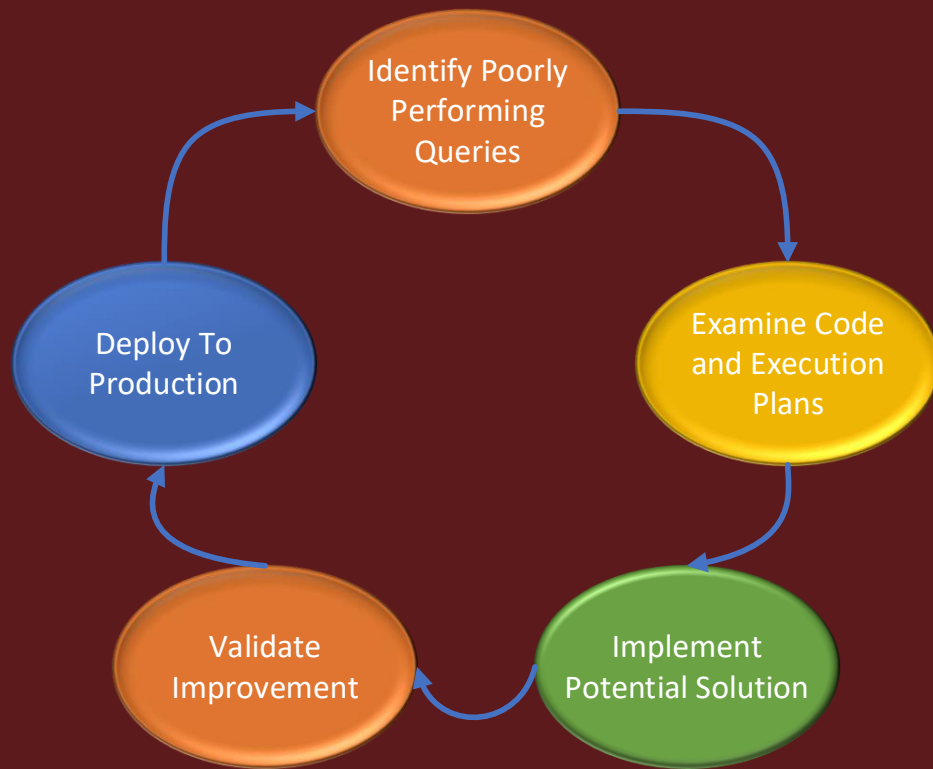


scarydba.com



linkedin.com/in/grant-fritchey





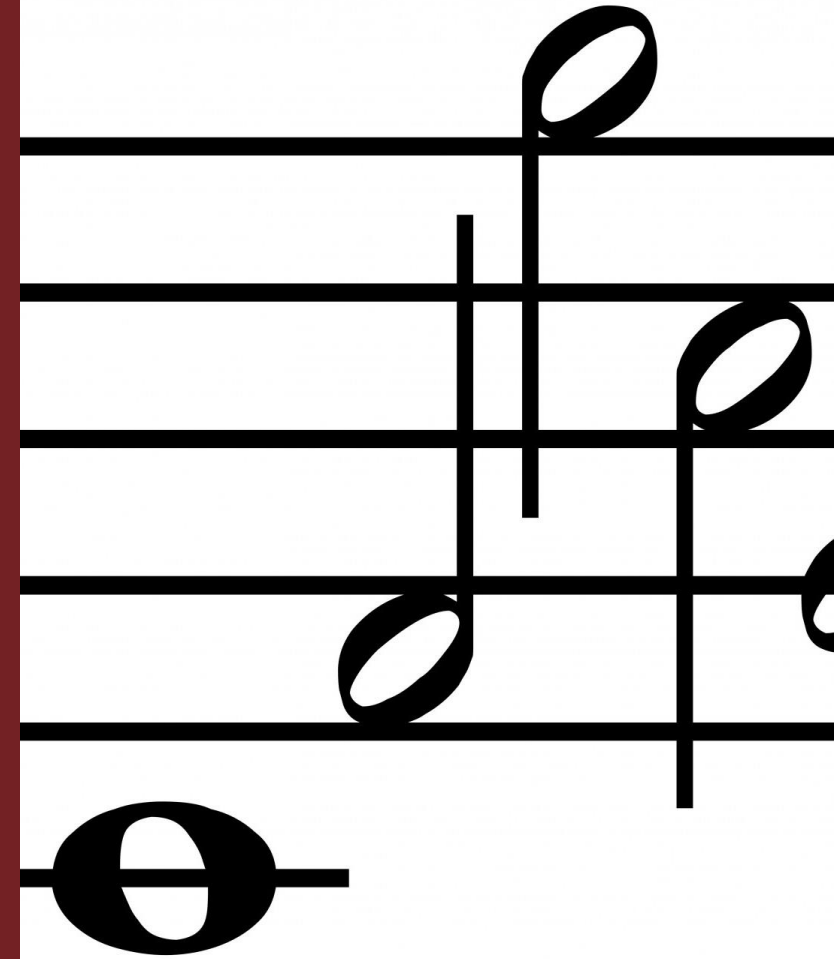
# QUERY TUNING PROCESS

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# NOTES ON QUERY METRICS

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- Have two points to compare
- Use all the metrics, not just one
- Explain plans are not a measure of performance
- Don't forget execution count



# CAPTURING QUERY METRICS

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- `pg_stat_user_tables`
- `pg_stat_user_indexes`
- `pg_stat_statements`



# QUERY STORE

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- Aggregated query metrics
- Explain plans
- Wait statistics



# YOU CONTROL...

- Turning Query Store on or off for the server
- Max query length & plan size
- Data retention
- Capture of plans
- Capture mode!

Server parameters ☆ ...

Save Discard Reset all to default Feedback

All Modified Static Dynamic Read-Only

This list shows all server parameters. Please hover over the info icon to get details about the allowed values of a particular parameter. [Learn more](#)

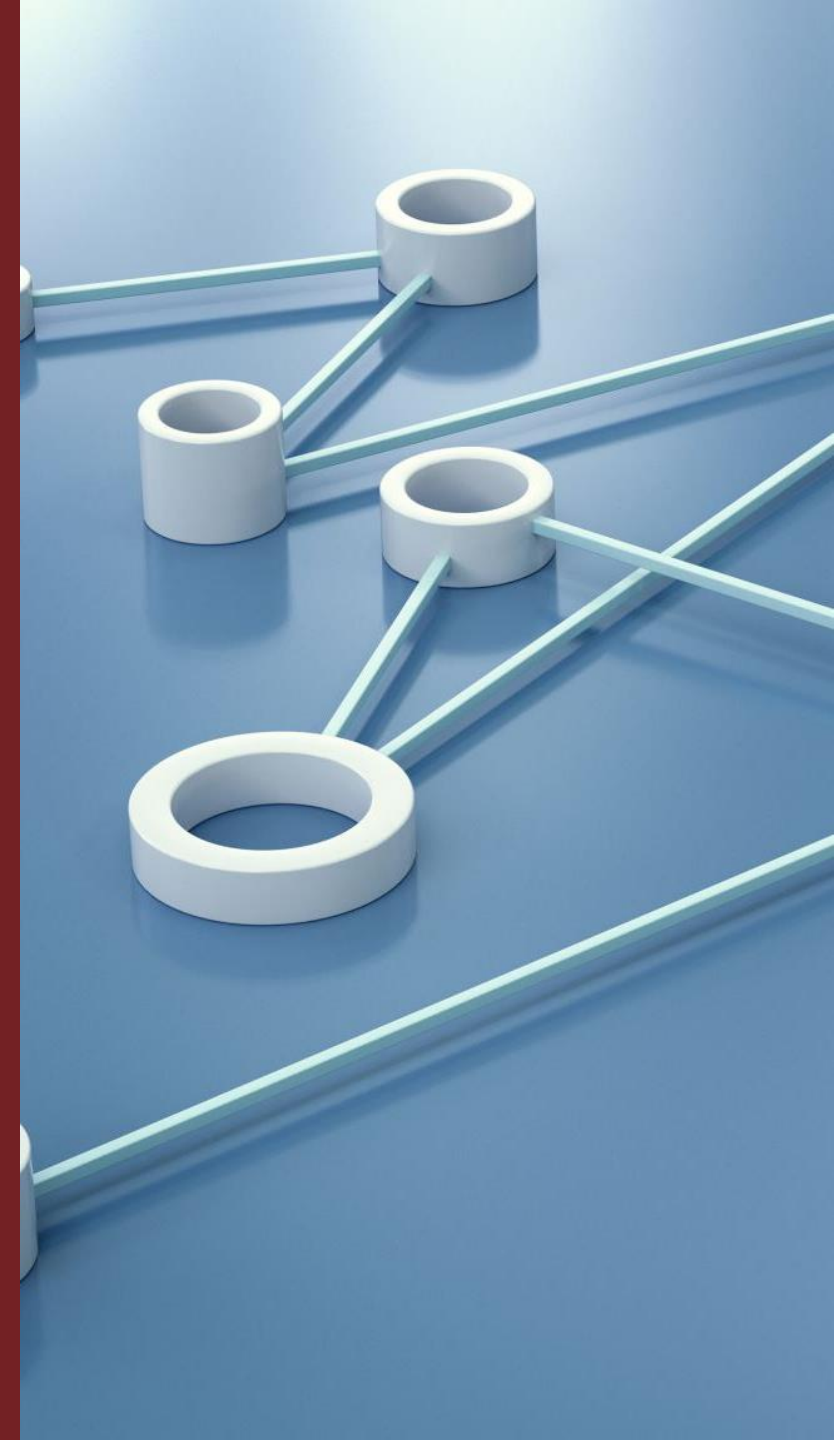
qs

Parameter name	VALUE	
<a href="#">enable_seqscan</a>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	ⓘ
pg_qs.interval_length_minutes	<input type="text" value="15"/>	ⓘ minutes
pg_qs.is_enabled_fs	<input checked="" type="radio"/> ON <input type="radio"/> OFF	ⓘ
pg_qs.max_plan_size	<input type="text" value="7500"/>	ⓘ bytes
pg_qs.max_query_text_length	<input type="text" value="6000"/>	ⓘ bytes
pg_qs.query_capture_mode	<input type="text" value="ALL"/>	ⓘ
pg_qs.retention_period_in_days	<input type="text" value="7"/>	ⓘ
pg_qs.store_query_plans	<input checked="" type="radio"/> ON <input type="radio"/> OFF	ⓘ
pg_qs.track_utility	<input checked="" type="radio"/> ON <input type="radio"/> OFF	ⓘ
synchronize_seqscans	<input checked="" type="radio"/> ON <input type="radio"/> OFF	ⓘ

# ACCESS THE DATA

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- azure\_sys database
- query\_store schema
- Tables and views





DEMO



# MORE TO LEARN

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- Query Performance Insight
- Intelligent Tuning

