

Design

Pros and cons

- Bugs?
- ► Would you use it?

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SQL: DBA, Performance tuning

Azure: architect, developer, admin

SQL Classes

Public speaker

Photography, running, cycling

Certified beyond repair

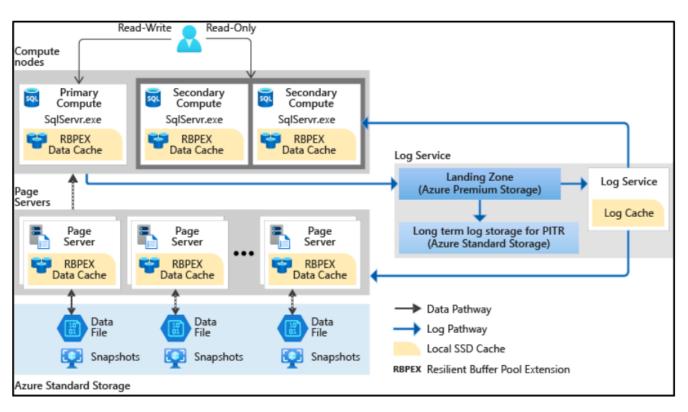
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Hyperscale, general design



Hyperscale differences with other SKU's

Stable log IO (100 mb/s)

Multiple files by default

Once you're hyperscaled, you can't upgrade or downgrade

Hyperscale!

It's fast (less to no log waits)

It scales in the background

Scale it (up or down) when needed

Costs are related to the running setting

Hyperscale?

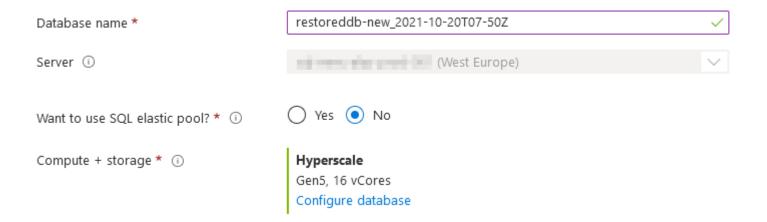
Scaling means you're failing over

Don't forget to scale down

Scaling means some DMV's will reset to 0

Querystore doesn't seem to suffer

They can be expensive



Hyperscale bug

Do not upgrade a database to hyperscale

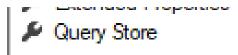
▶ The underlying design breaks

▶ RBIO_RG_STORAGE wait type

Performance is out of the window

Hyperscale bug

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Database Properties -
```



Hyperscale bug

Results Messages						
	name	file_id	total_page_count	file_gb		
1	My Hyperscale DB	1	16777216	128		
2	My Hyperscale DB	3	16777216	128		
3	My Hyperscale DB	4	16777216	128		
4	My Hyperscale DB	5	16777216	128		
5	My Hyperscale DB	6	16777216	128		
6	My Hyperscale DB	7	16777216	128		
7	My Hyperscale DB	8	16777216	128		
8	My Hyperscale DB	9	16777216	128		
_		40	40777040	100		

27	My Hyperscale DB	28	16777216	128
28	My Hyperscale DB	29	16777216	128
29	My Hyperscale DB	30	15728640	120
30	My Hyperscale DB	31	13107200	100
31	My Hyperscale DB	32	11796480	90
32	My Hyperscale DB	33	9175040	70
33	My Hyperscale DB	34	7864320	60
34	My Hyperscale DB	35	5242880	40
35	My Hyperscale DB	36	2621440	20

Every database has it's use case

lt's your use case that decides which one to choose

▶ It's your budget



To hyperscale or not To hyperscale

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Thank you!

