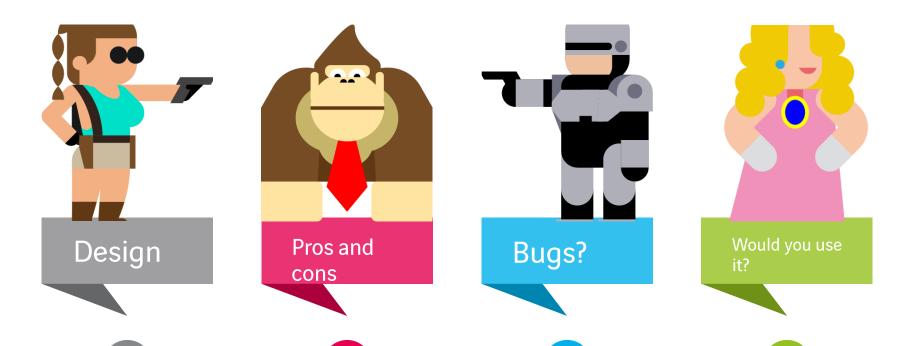
To hyperscale or not to Hyperscale

That's question, in five minutes





Talking points



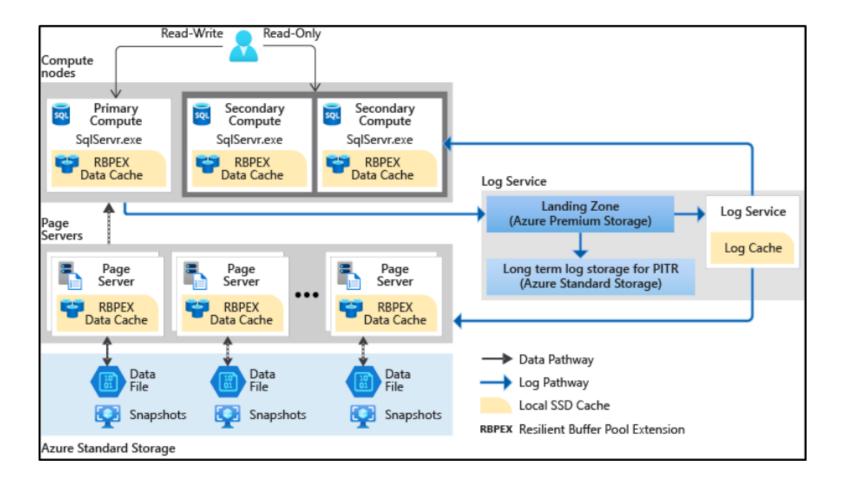


Reitse Eskens

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- Production DBA / Performance tuning
- Azure infrastructure with Terraform
- SQL training
- Photography, running, cycling, timekeeping
- Public speaker
- Certified beyond any repair







Hyperscale!

It's really fast (less to no log waits)

It scales in the background

You can scale it when needed

Costs are related to the running SKU



Hyperscale?

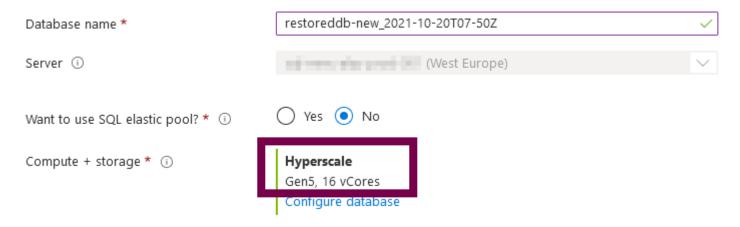
- Scaling means a failover
- Don't forget to scale down
- Scaling loses most of your DMV contents
- Look at your restores! Is the default correct?

Querystore doesn't seem to suffer (much)



Hyperscale?

Is this correct for your restore?





Hyperscale bu9

- Do not upgrade a database to Hyperscale
- ▶ The underlying design breaks. You need 128 GB page servers, we got one 1 TB page server
- RBIO_RG_STORAGE wait
- No performance at all



Hyperscale bu9

```
Database Properties -

SELECT d.name,

vfs.file_id,

fsu.total_page_count,

((fsu.total_page_count * 8)/1024)/1024 as file_gb

FROM sys.databases d

INNER JOIN sys.dm_io_virtual_file_stats(null,null) vfs on d.database_id=vfs.database_id

INNER JOIN sys.dm_db_file_space_usage fsu on d.database_id = fsu.database_id

AND fsu.file_id = vfs.file_id
```



Hyperscale bu9

===	Results 🗐 Messages					My Hyperscale DB	28	16777216	128
	name	file_id	total_page_count	file_gb	28	My Hyperscale DB	29	16777216	128
1	My Hyperscale DB	1	16777216	128	29	My Hyperscale DB	30	15728640	120
2	My Hyperscale DB	3	16777216	128	30	My Hyperscale DB	31	13107200	100
3	My Hyperscale DB	4	16777216	128	31	My Hyperscale DB	32	11796480	90
4	My Hyperscale DB	5	16777216	128					
5	My Hyperscale DB	6	16777216	128	32	My Hyperscale DB	33	9175040	70
6	My Hyperscale DB	7	16777216	128	33	My Hyperscale DB	34	7864320	60
7	My Hyperscale DB	8	16777216	128	34	My Hyperscale DB	35	5242880	40
8	My Hyperscale DB	9	16777216	128	35	My Hyperscale DB	36	2621440	20
•		40	40777040	400		,,percodic BB			

Show of hands will you use it?



Any questions?



To hyperscale or not to Hyperscale

In five minutes

