

# O guia para manter seu SQL Server sempre disponível!

Marcelo Gonçalves Adade

Diamante



Platina



DISCOVER

Ouro



VERTICA  
by opentext™

Prata

TRACES



ROX  
We take care  
of your data

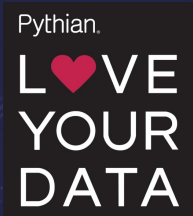
Apoio

FIAP

GRUPO  
POSEIDON  
DIGITAL

# Sp\_helpdba()

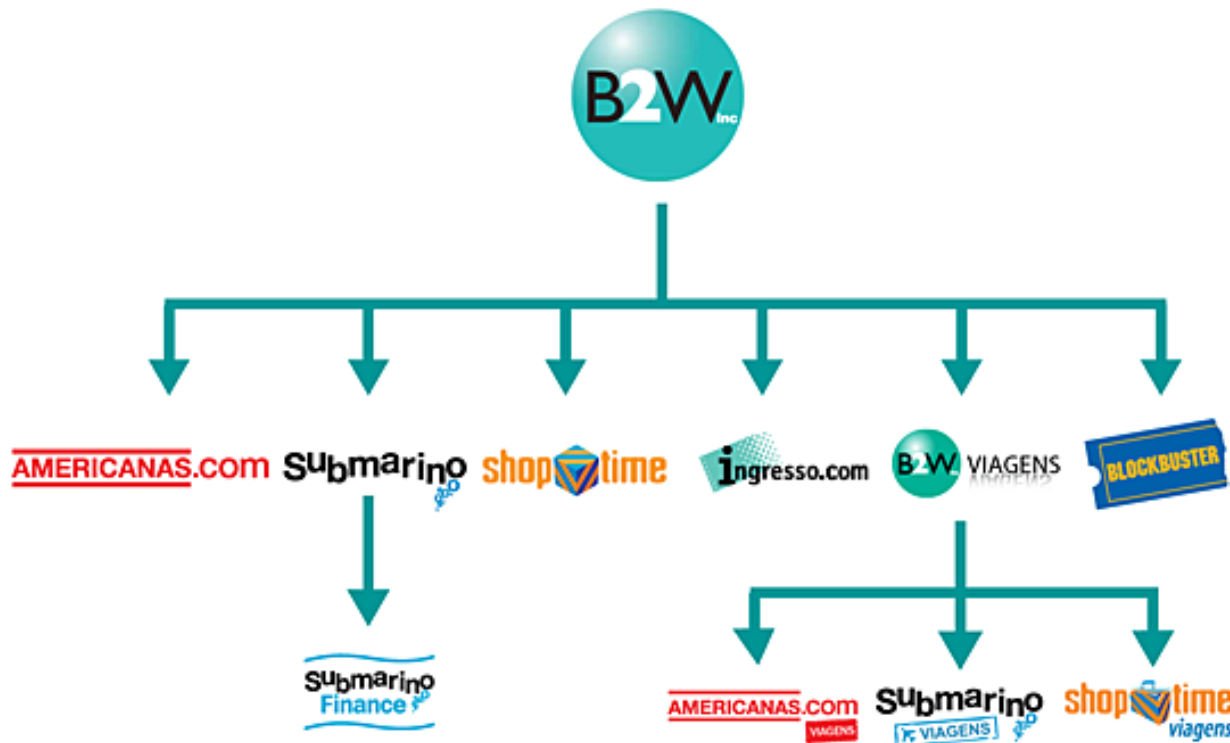
- Microsoft Data Platform Internal Principal Consultant at Pythian (Ottawa)
- Database Consultant and Instructor at DBBITS (Sao Paulo)
- Microsoft Data Platform MVP
- <https://linktr.ee/marceloadade>



# Por que Alta Disponibilidade?



# Por que Alta Disponibilidade?



# Fatores Importantes

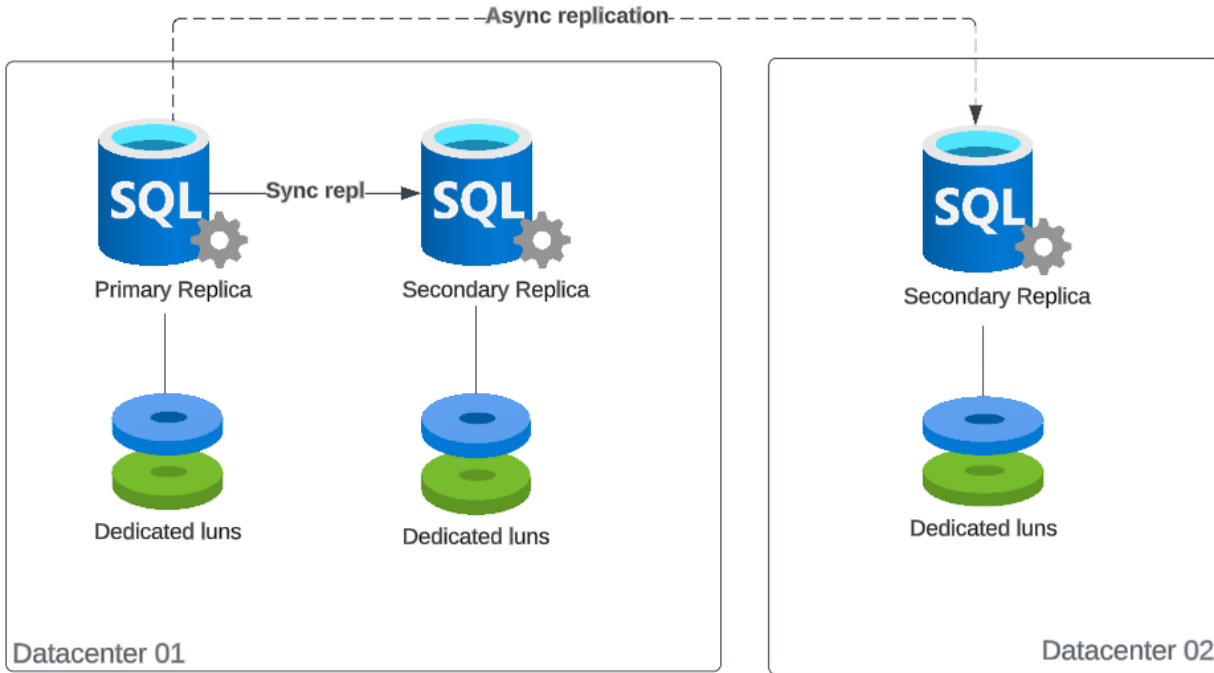
- Recovery Point Objective
- Recovery Time Objective
- Criando um plano
- Definição HADR

Uptime SLA	/year indispon.	/month indispon.
99,9%	8,76 hours	43,8 mins
99,99%	52,6 mins	4,38 mins
99,999%	5,26 mins	0,43 mins

# HADR depende só do SQL Server?

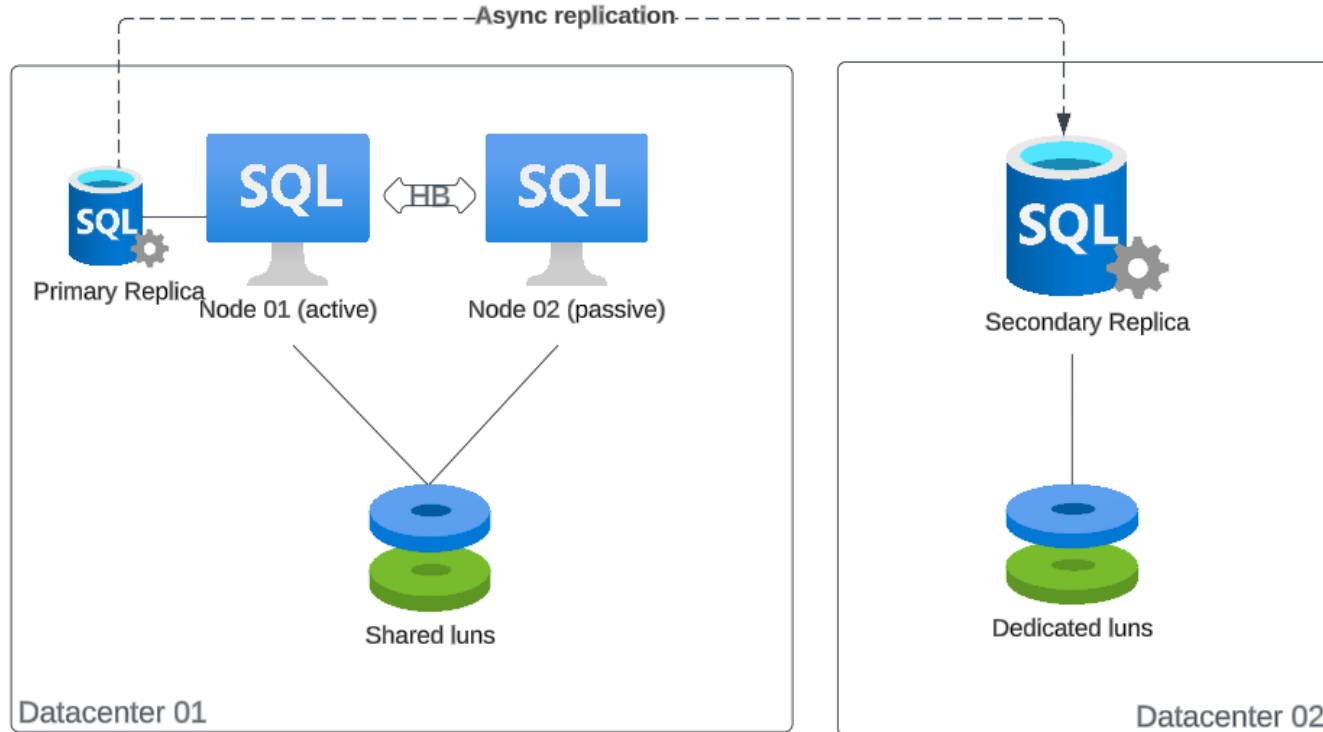


# HADR depende só do SQL Server?



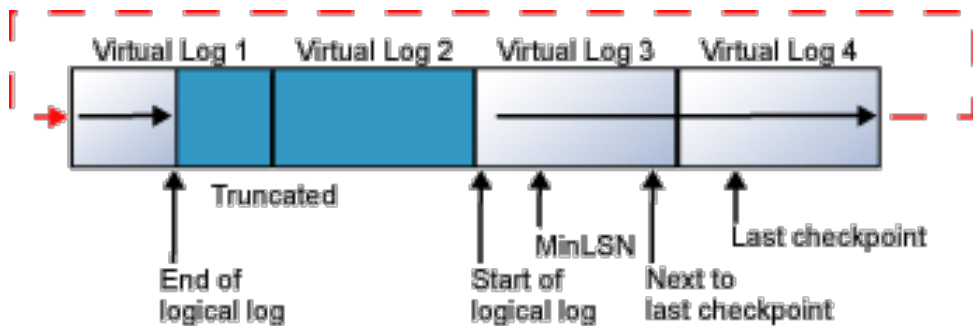
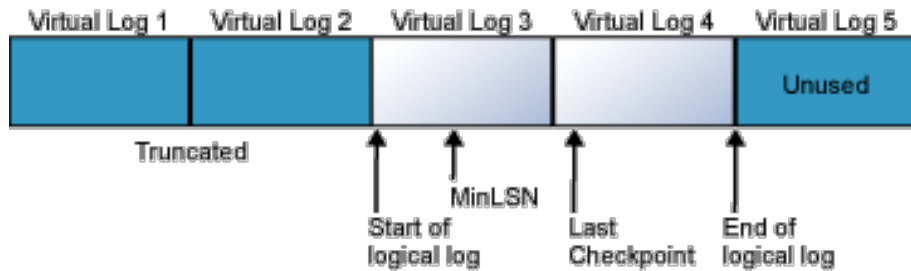


# HADR depende só do SQL Server?

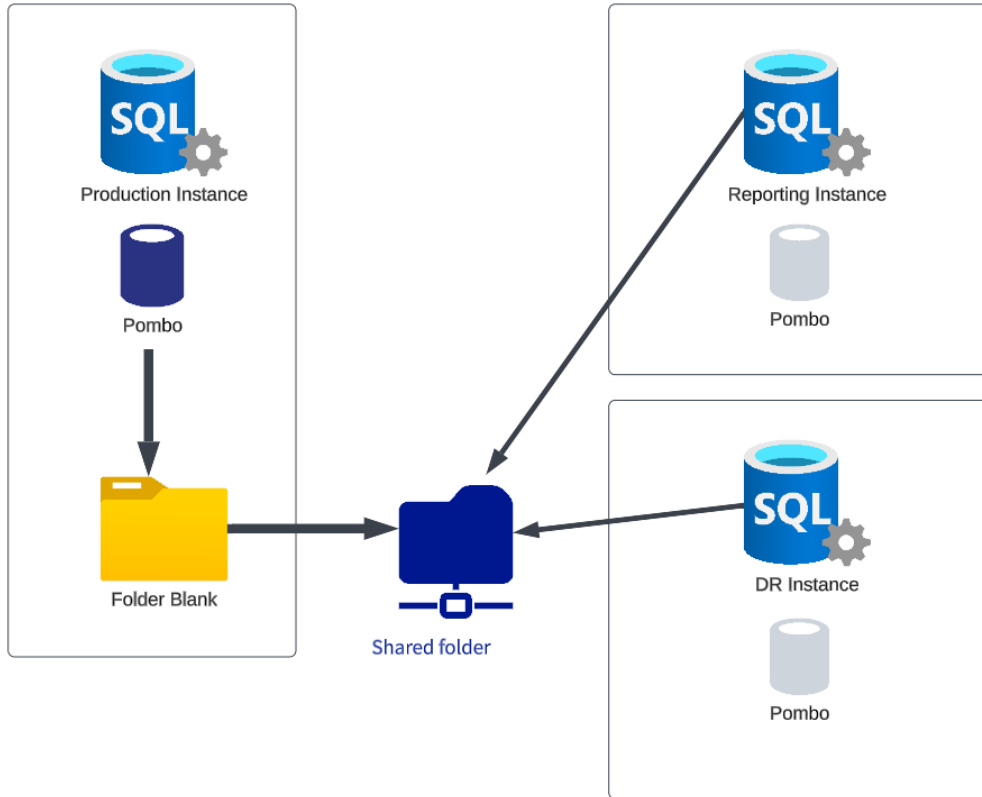


# Componentes no SQL Server

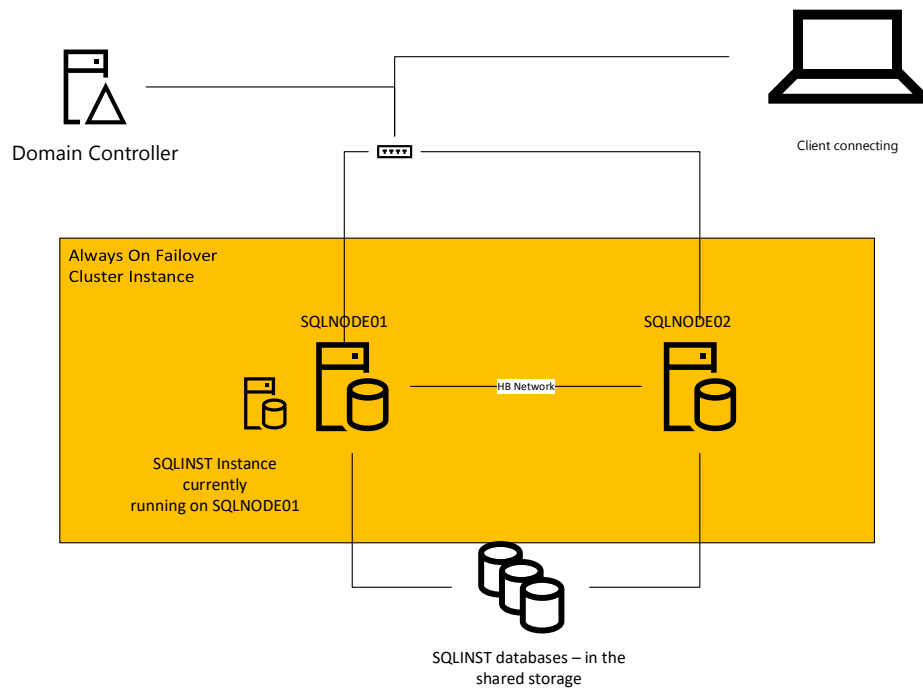
- Arquivo de Log de transações
- Backup/Restore



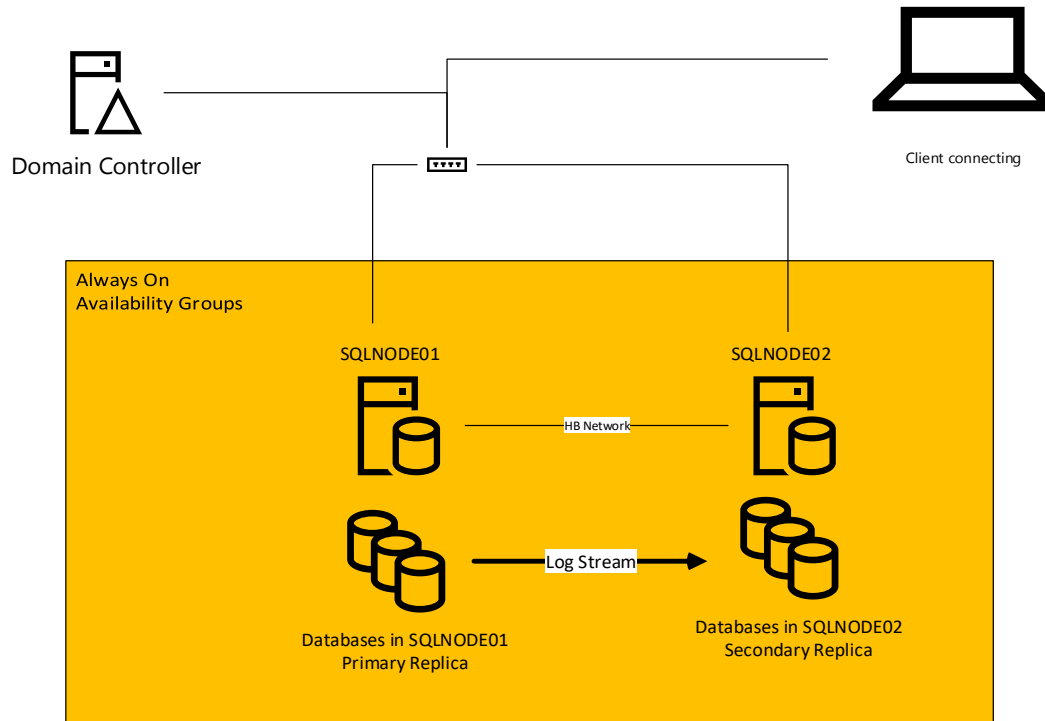
# Features no SQL Server



# Features no SQL Server



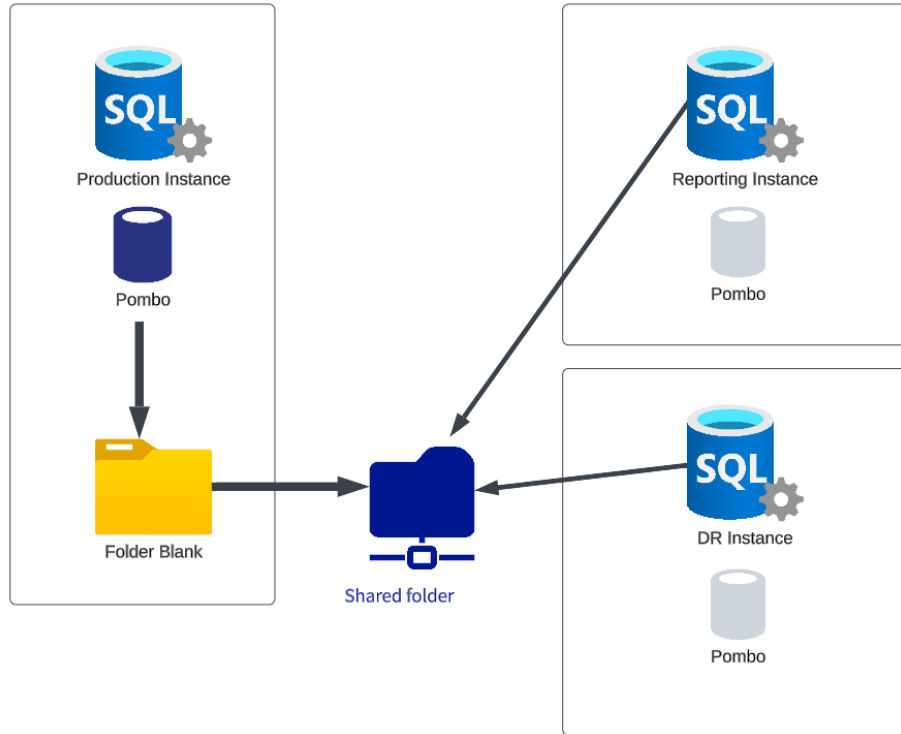
# Features no SQL Server



# Log Shipping

The image features a blurred background of a computer monitor displaying code and a taskbar. In the foreground, a pair of glasses is positioned, with the lenses reflecting the screen's content. The text "Log Shipping" is centered in a white, sans-serif font.

# Log Shipping

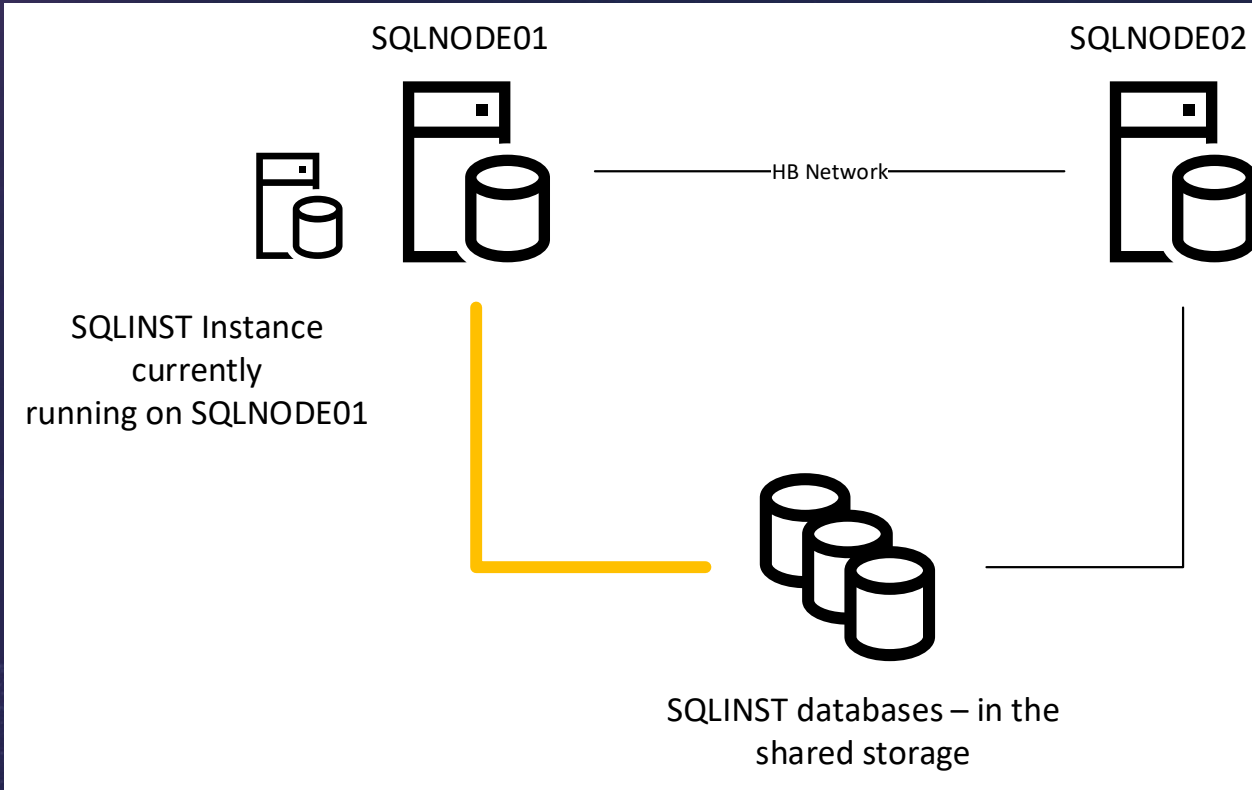


# Always On Failover Cluster Instance

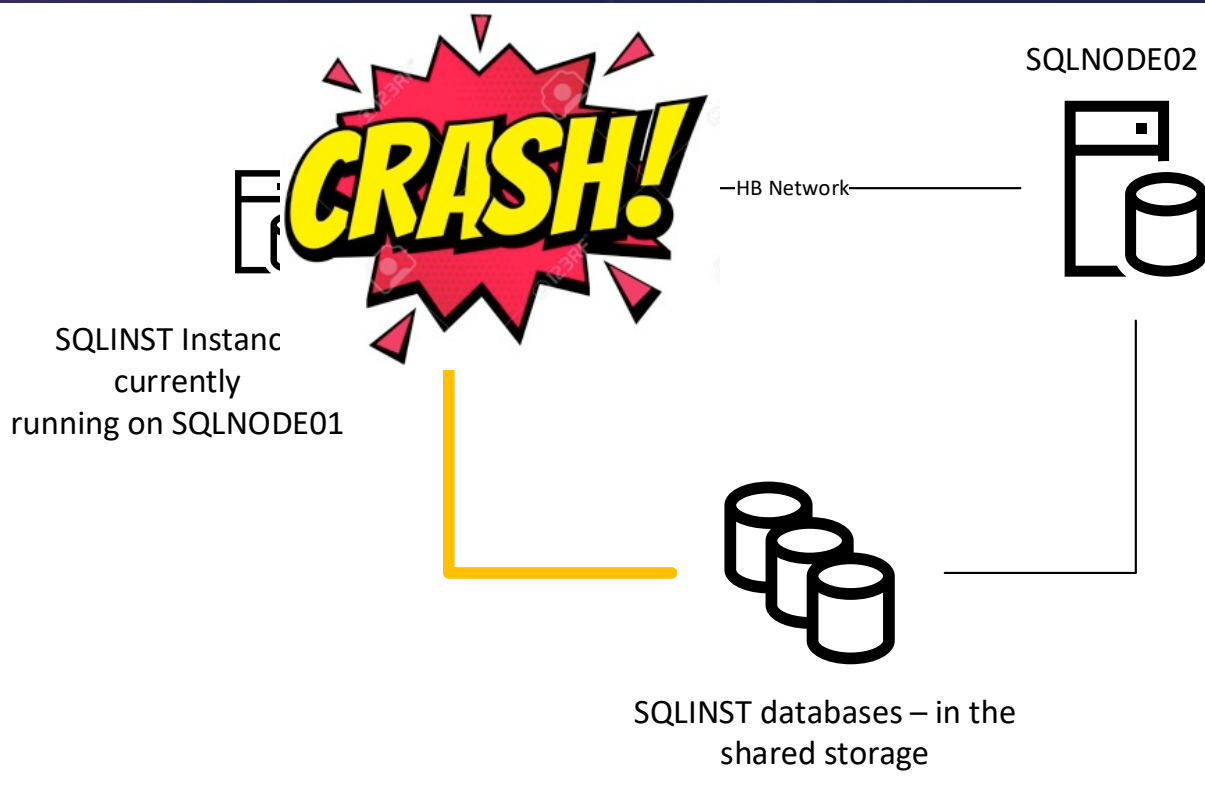
A pair of black-rimmed glasses is positioned in the foreground, resting on a dark surface. The background is a blurred office environment with multiple computer monitors. The screens display various elements: some show lines of code in different colors (blue, green, purple) on a dark background, while others show data tables or charts. The overall scene is dimly lit, with the primary light source coming from the screens, creating a professional and technical atmosphere.



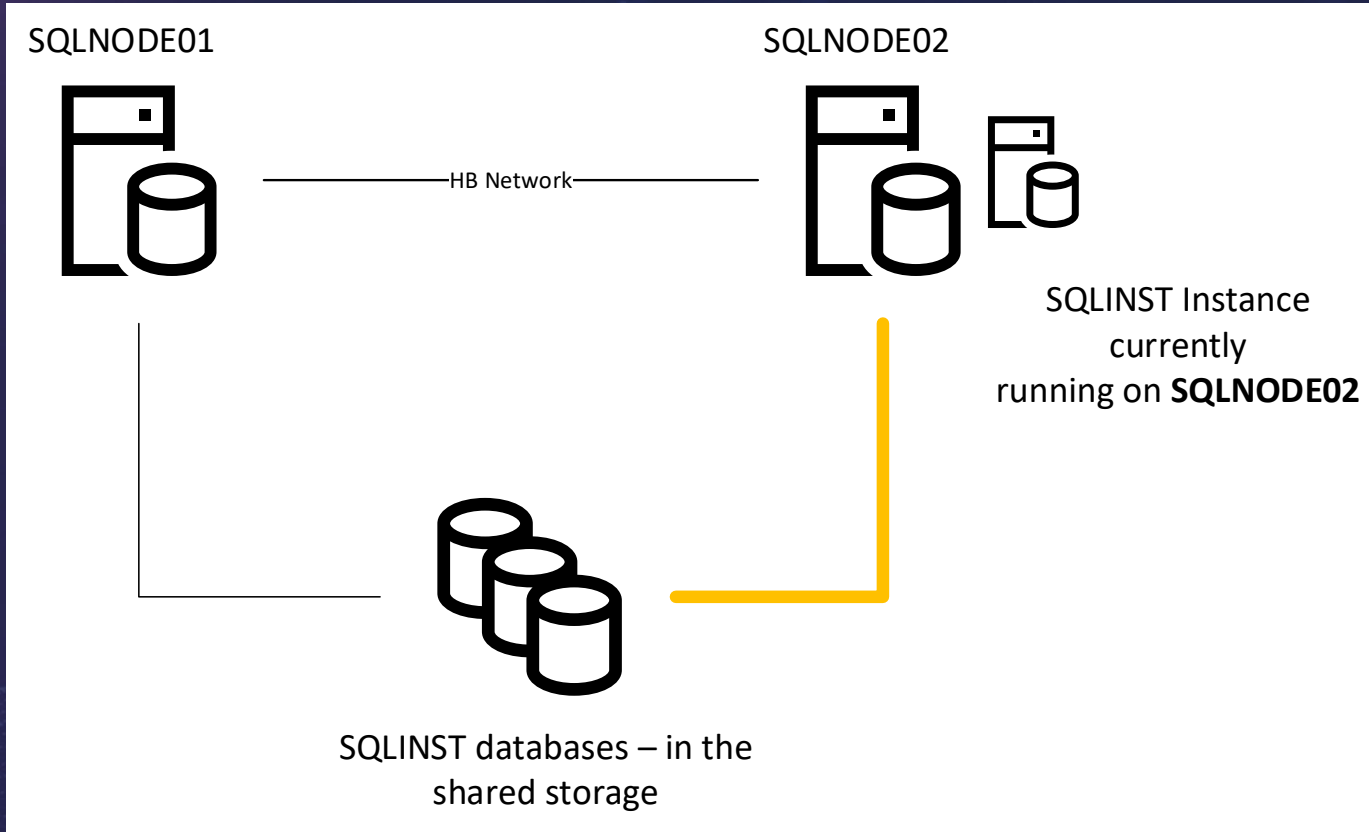
# Always On FCI



# Always On FCI



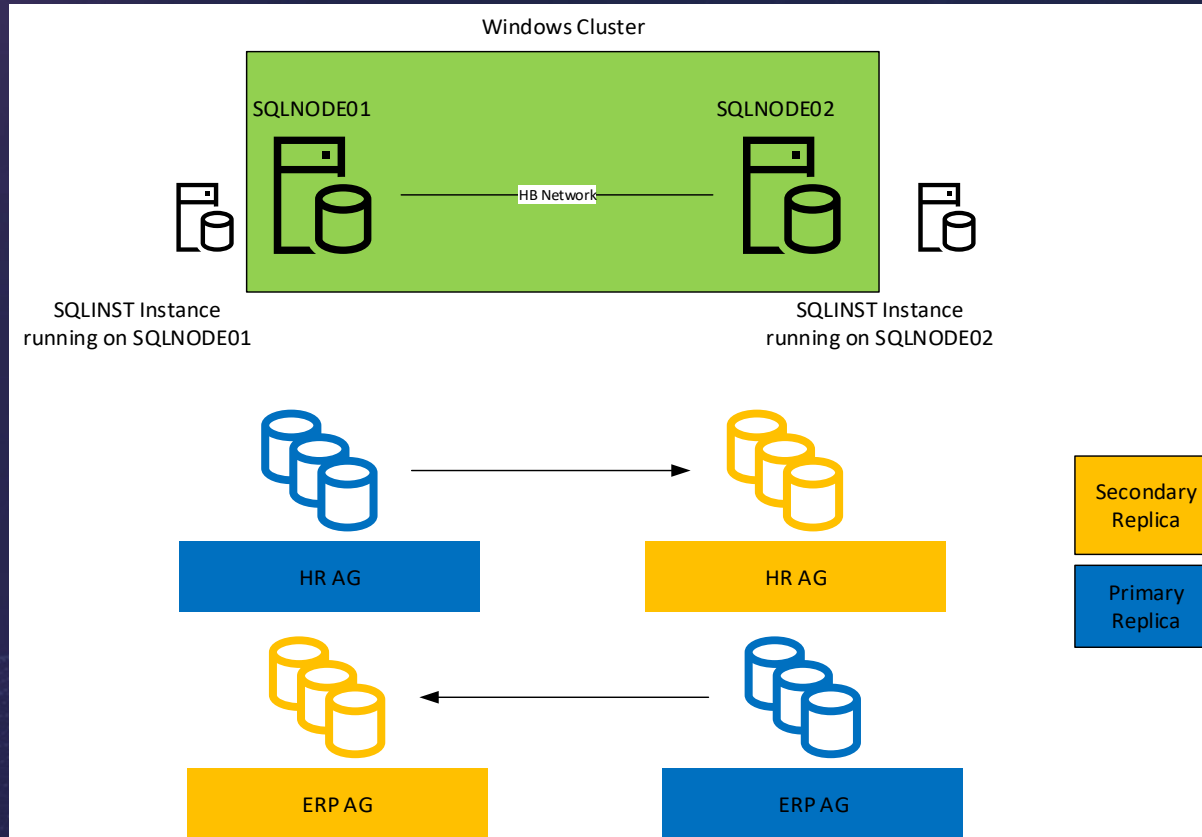
# Always On FCI



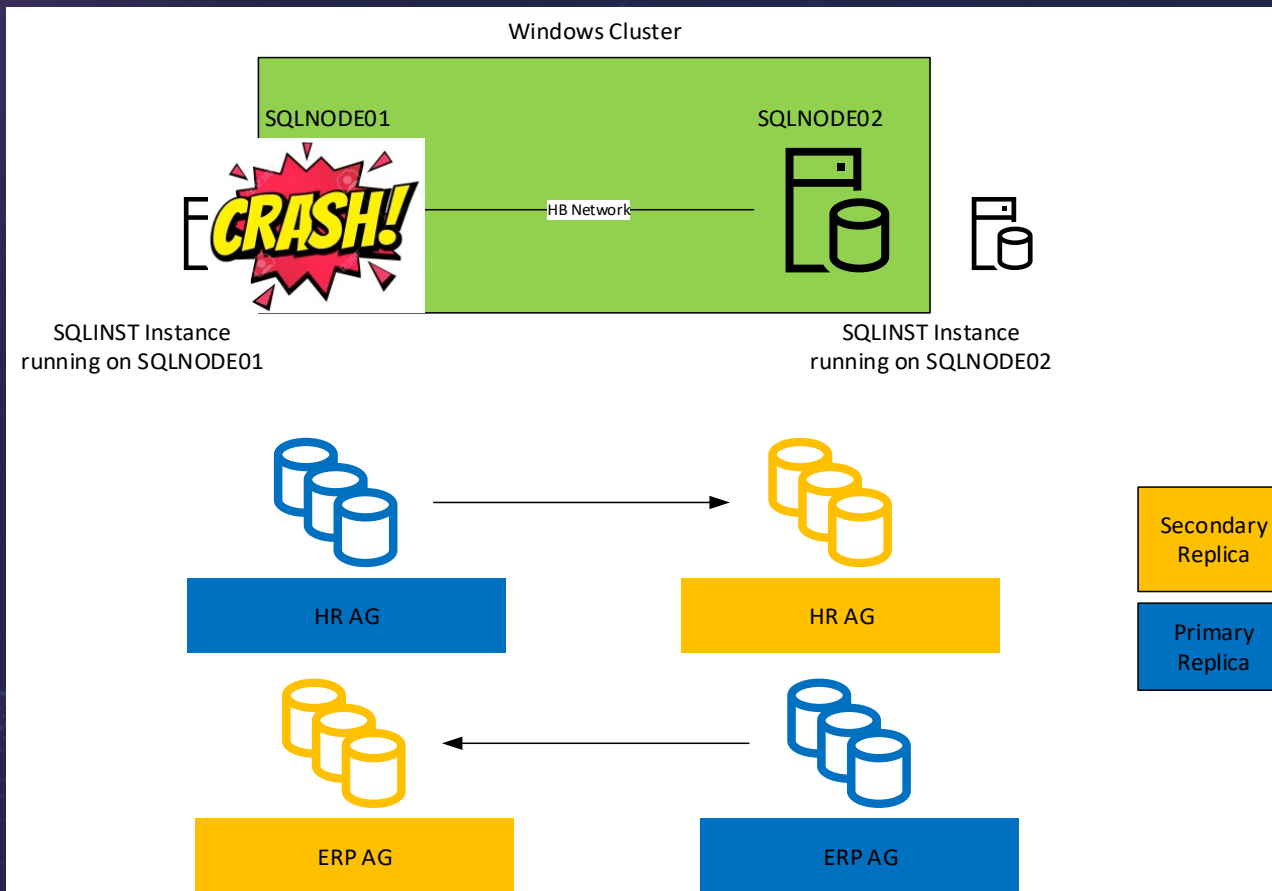
# Always On Availability Groups

A pair of black-rimmed glasses is positioned in the foreground, resting on a dark surface. The background is a blurred office environment with multiple computer monitors. The screens display various elements: some show lines of code in different colors (green, blue, purple) on a dark background, while others show data visualizations or system interfaces. The overall lighting is dim, creating a focused and professional atmosphere.

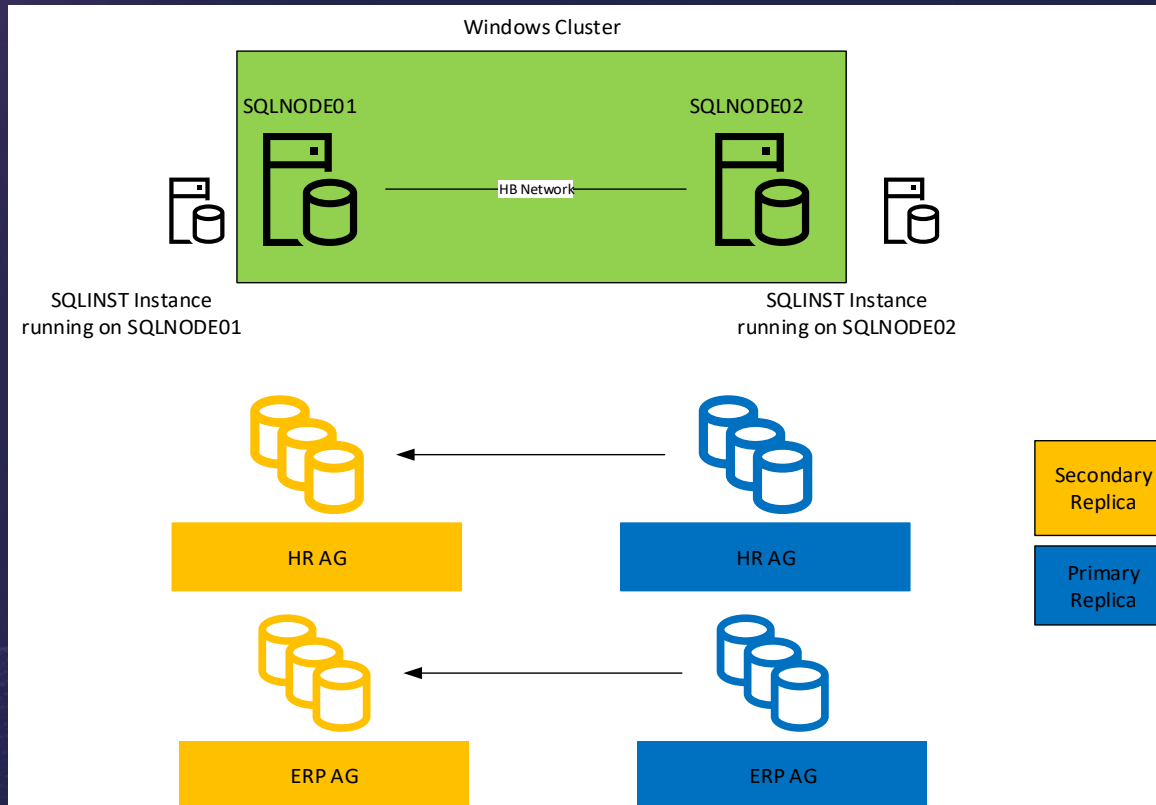
# Always On Availability Groups



# Always On Availability Groups



# Always On Availability Groups



# E o Standard?

## SQL Server 2022 pricing<sup>1</sup>

Editions	Open no-level price (US dollar)	Licensing model	Channel availability
Enterprise	\$15,123 <sup>[2]</sup>	2 core pack	Volume licensing, hosting
Standard - per core	\$3,945 <sup>[2]</sup>	2 core pack	Volume licensing, hosting
Standard - server	\$989 <sup>[2]</sup>	Server <sup>[3]</sup>	Volume licensing, hosting
Standard - CAL	\$230	CAL	Volume licensing, hosting

<https://www.microsoft.com/en-us/sql-server/sql-server-2022-pricing>



# É fácil manter o AOAG e o AOFCI?



# E o SQL Server 2022?

New Availability Group

Select a page

- General
- Backup Preferences
- Read-Only Routing

Script Help

Availability group name:

Cluster type: Windows Server Failover Cluster

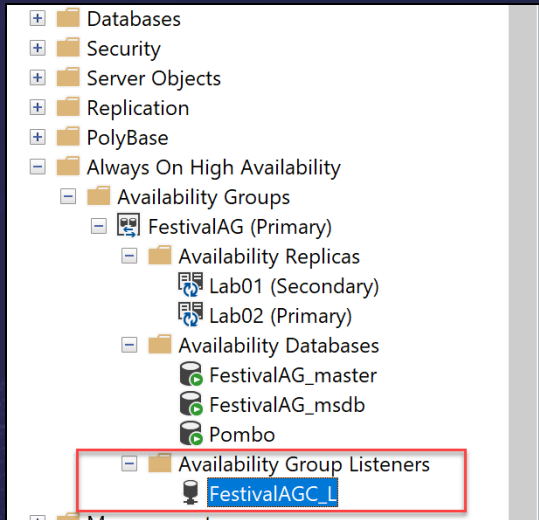
Required synchronized secondaries to commit: 0

Database level health detection

Per database DTC support

Contained

Reuse System Databases





Perguntas?



# Não sumam!

<https://linktr.ee/marceloadade>

