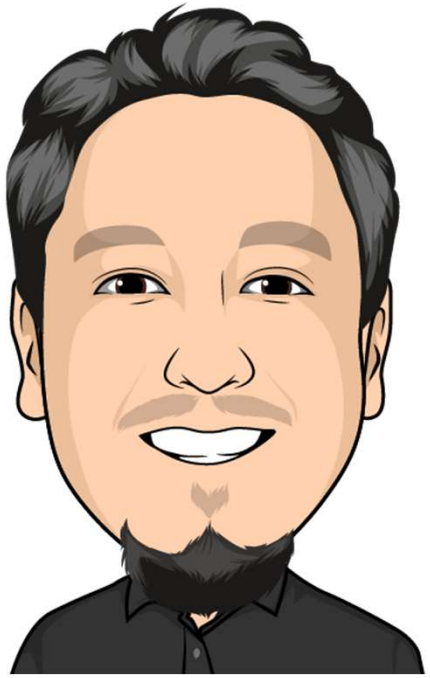
One config to rule them all! An intro to Azure App configuration.



Originally from Mexico.

Tech Lead at Geneca.

Spend time with family, movies, videogames, soccer.

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drkclw

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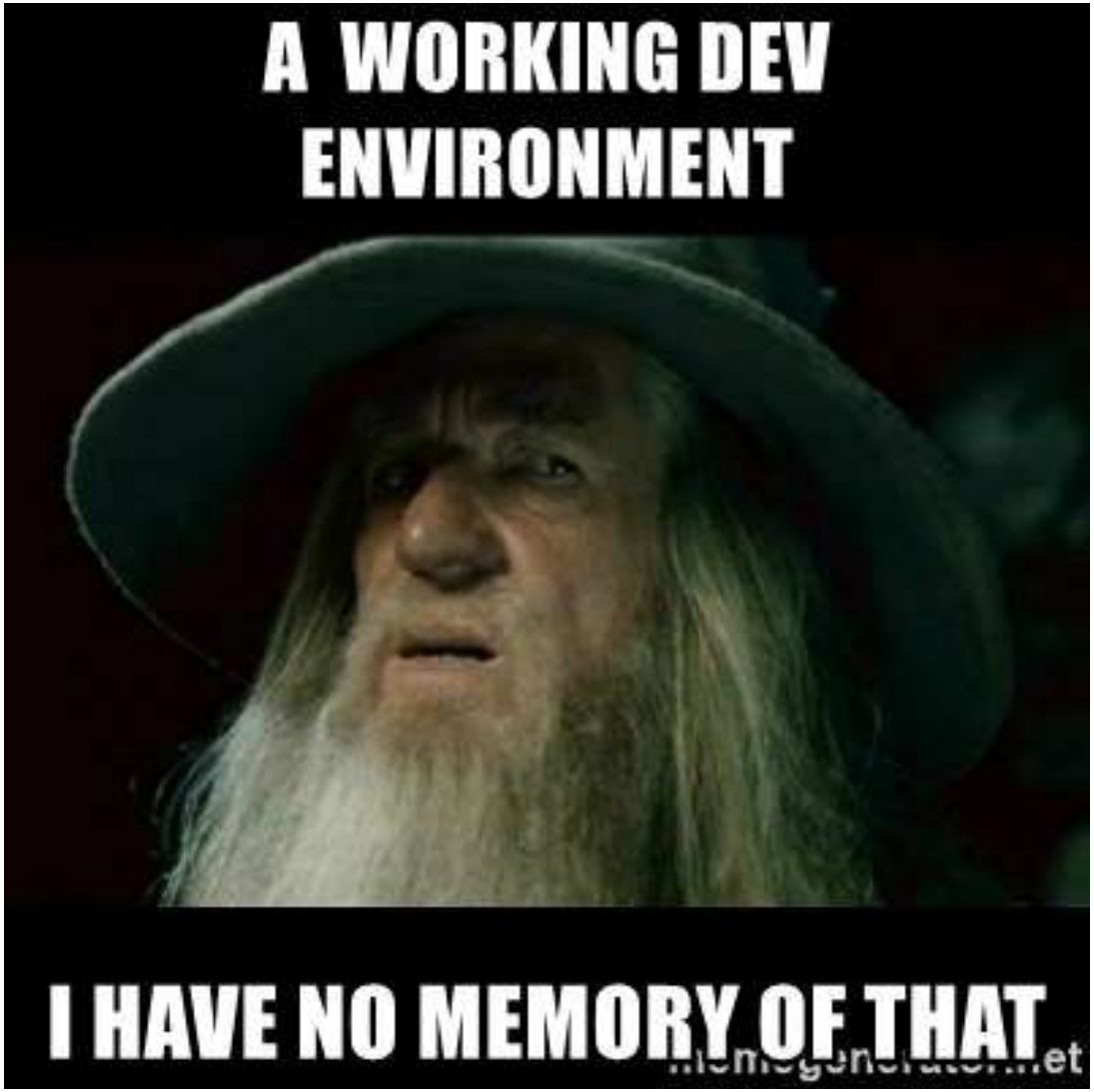
Agenda

- What is Azure App Configuration?
- Tales from the trenches.
- Benefits.
- Demo.

What is Azure App Configuration?

- Cloud service that allows you to centralize configuration and feature management.


A WORKING DEV ENVIRONMENT
I HAVE NO MEMORY OF THAT

Tales from the trenches.

- Local settings checked in.
- Settings shared across different applications.
- Repo not updated.

Local settings checked in.

Settings shared across different applications.

Repo not updated.

Why use Azure App Configuration?

- Centralized management setting.
- Dynamic configuration.
- Feature flag management.
- Access to previous versions.
- Complements key vault.

Centralized management setting.

Loaded 3 key-values with 2 unique keys.

Key ↑↓	Value	Label	Last modified	Cont
FontColor	*(Hidden value)*	Development	6/7/2022, 3:09:11 PM	
	(Hidden value)	Production	6/7/2022, 3:09:18 PM	
TestHistorical...	*(Hidden value)*	(No label)	6/7/2022, 1:50:53 PM	

Dynamic configuration.

- Polling method.

- Push method using events (Azure Service Bus).

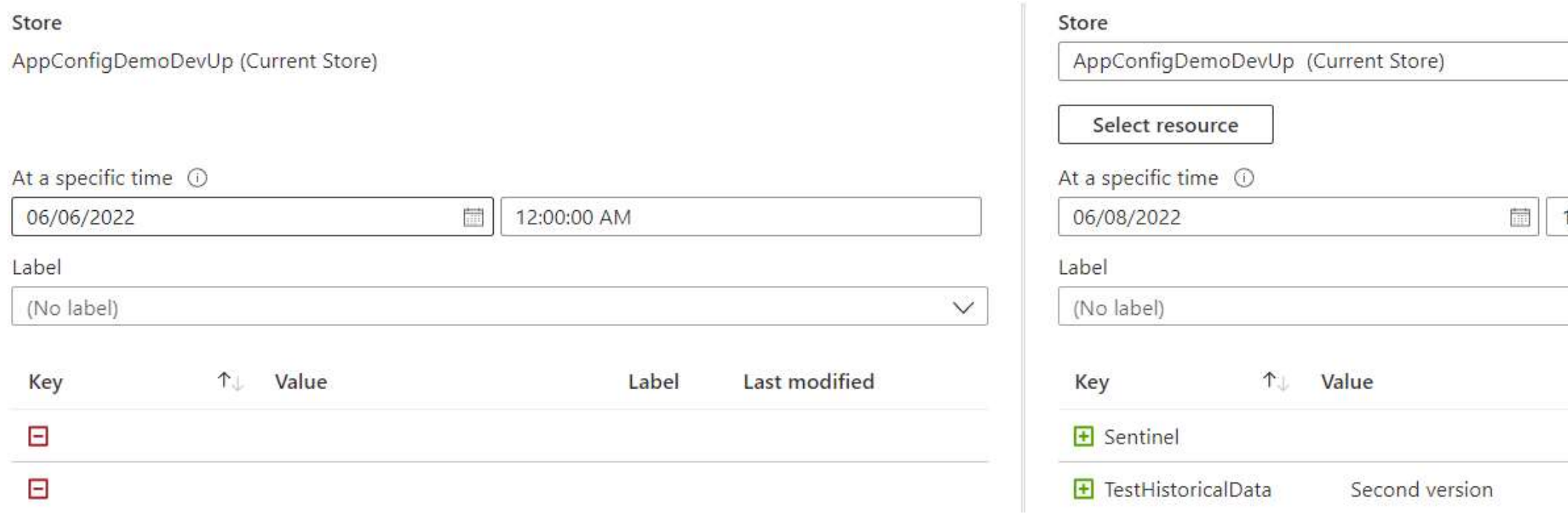
Feature flag management.

- Dynamic feature management.

- Feature filters.
  - Targeting.
  - Time window.
  - Custom.

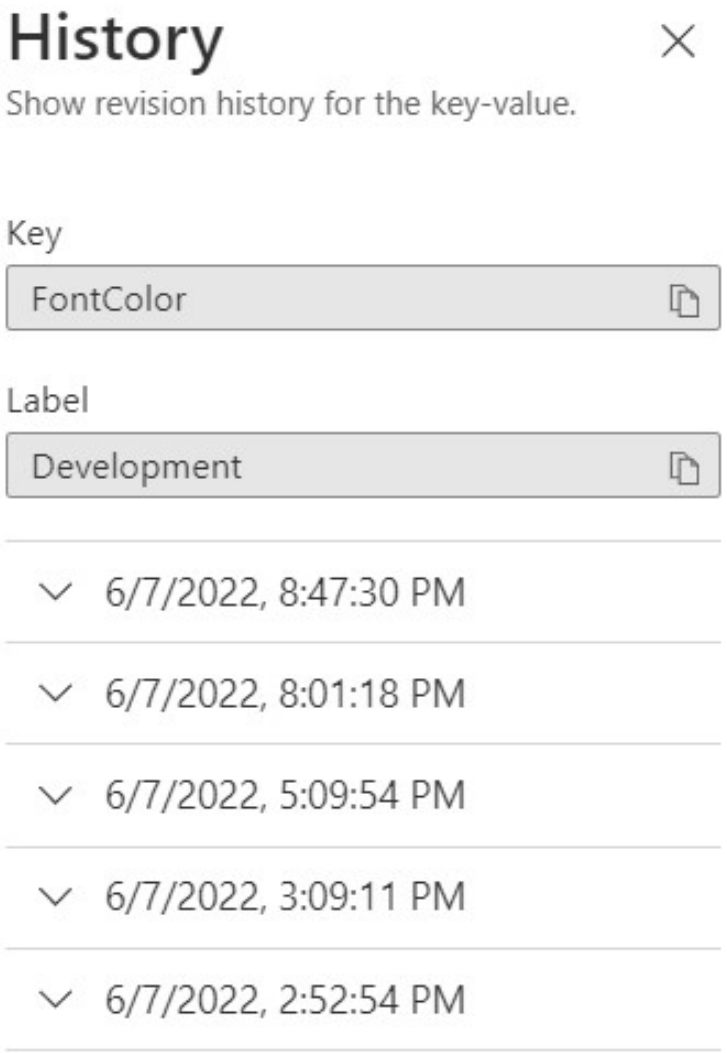
Access to previous versions.

- Compare with previous versions.



Access to previous versions.

- View key history.



Complements key vault.

- Access key.

Loaded 5 key-values with 4 unique keys.

Key	Value	Label	Last modified	Content type
FontColor	*(Hidden value)*	Development	6/7/2022, 8:47:30 PM	
	(Hidden value)	Production	6/7/2022, 3:09:18 PM	
KeyVaultValueTest	*(Hidden value)*	Development	6/7/2022, 4:09:47 PM	application/vnd.microsoft.ap
Sentinel	*(Hidden value)*	(No label)	6/7/2022, 8:47:39 PM	
TestHistoricalData	*(Hidden value)*	(No label)	6/7/2022, 8:52:16 PM	

DEMO

What will we cover?

- Accessing app configuration.
- Dynamic configuration.
- Feature flags.
- View previous versions.

> Let this code compile,
>
> In not an hour, but a little while.
>
> Allow this application to run with speed and zest,
>
> as this will keep users glued to my test.
>
> If my code blows up in my face,
>
> do it with style and grace.
>
> And last but not least, when all is said and run,
>
> let thy requirements have been correctly done.

https://www.rambli.com/2016/06/the-prayer-of-the-demo-gods/