



DEMO

Application Gateway

Session 14

Secrets and configuration management

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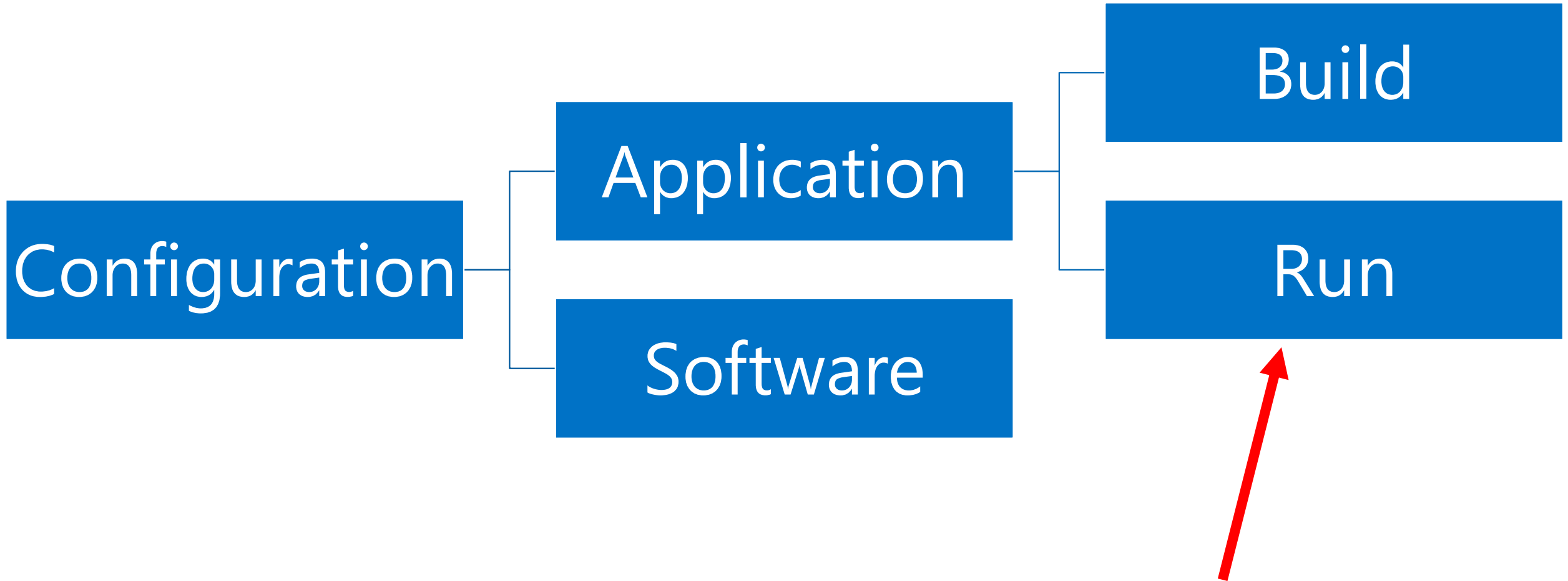
me@boykoant.pro



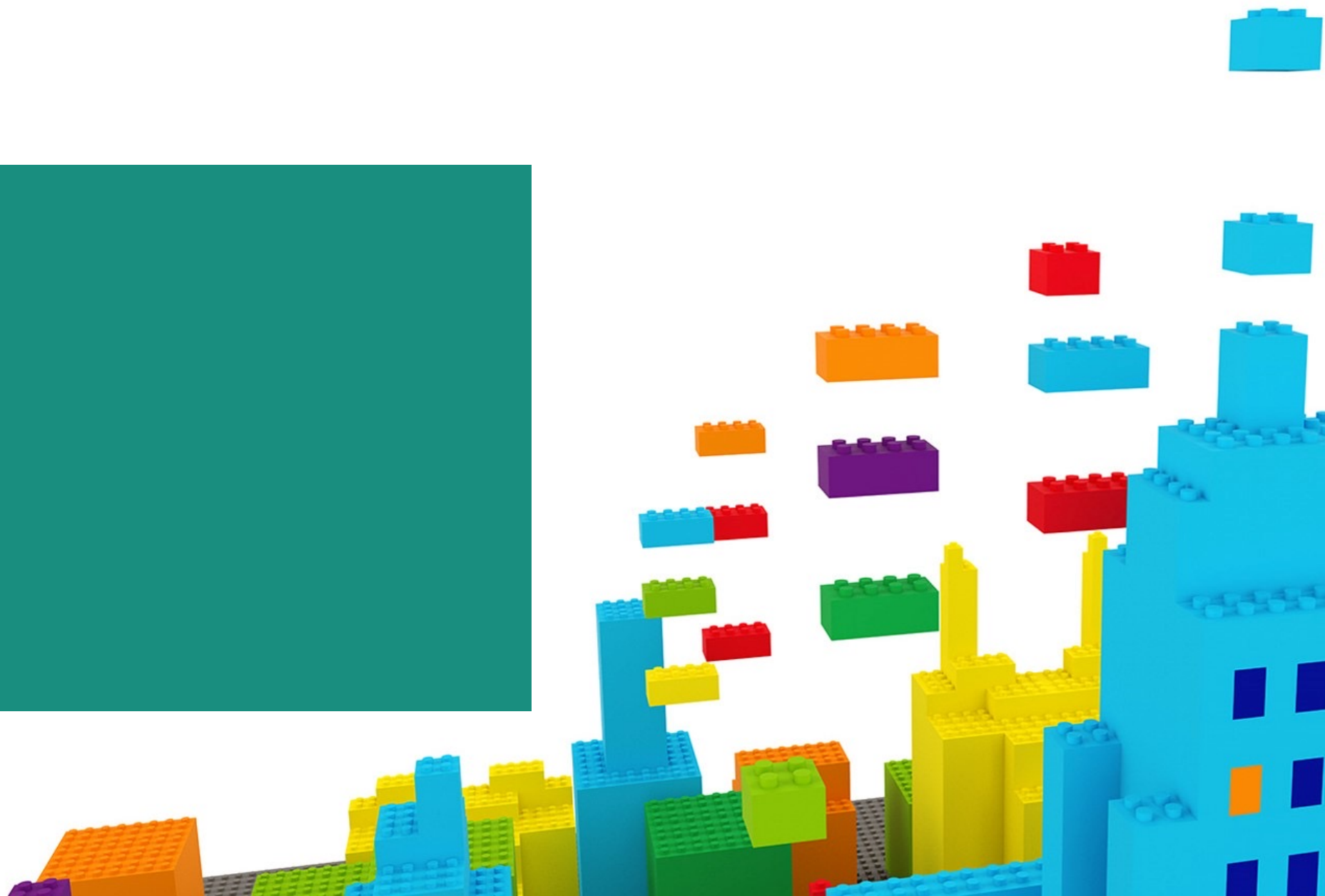
Housekeeping

- ❑ Please keep yourself muted unless you are participating in the conversation, so we can have a more clear recording.
- ❑ If you have questions – don't hesitate and ask.

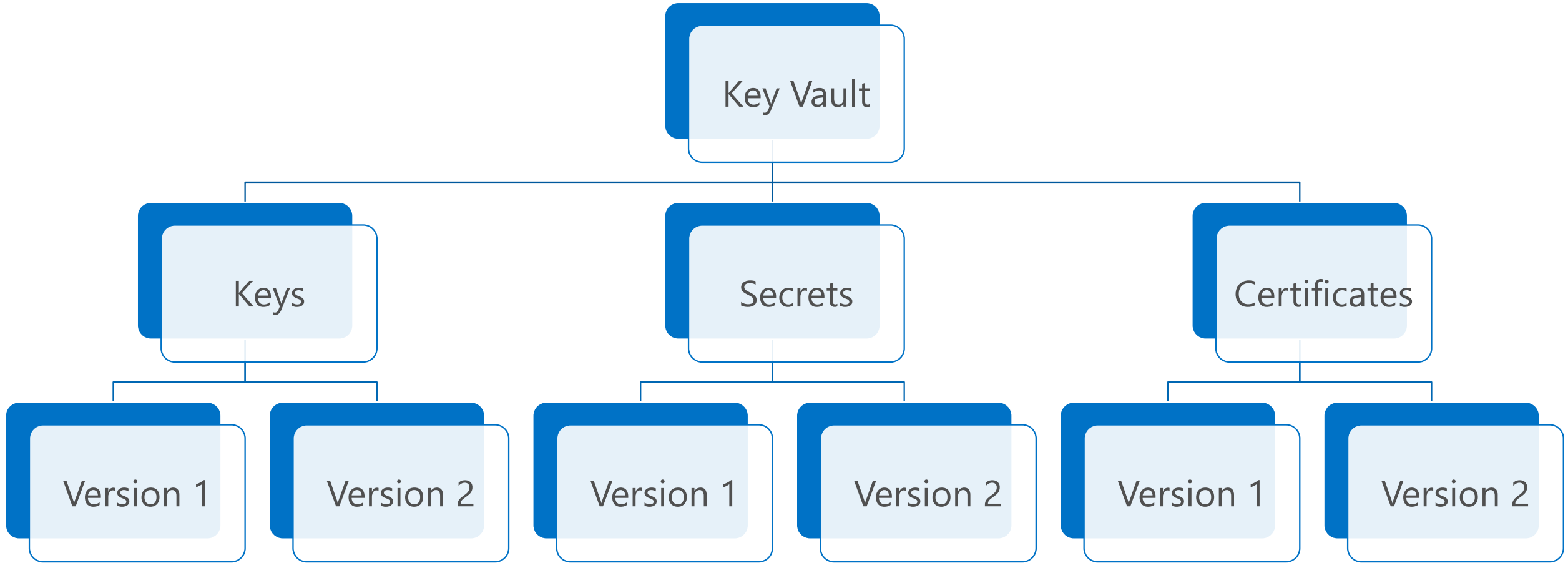
Configurations



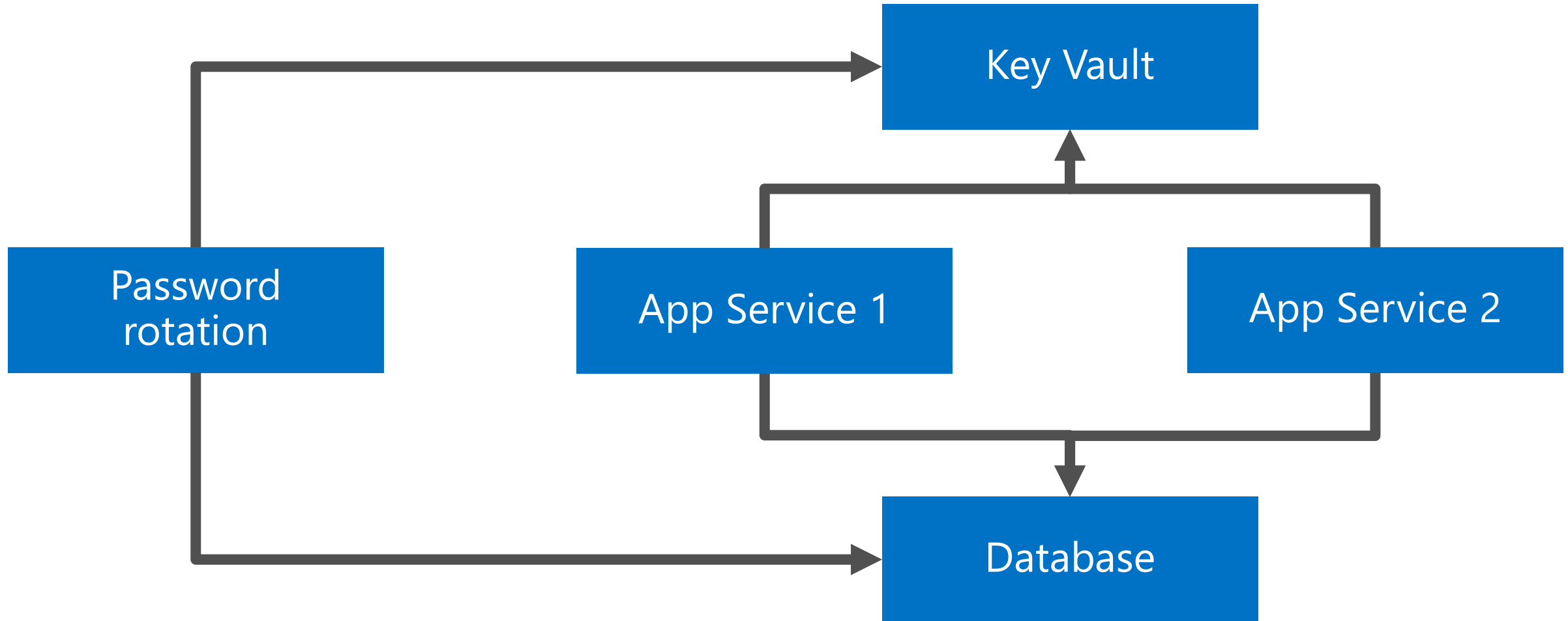
Key Vault



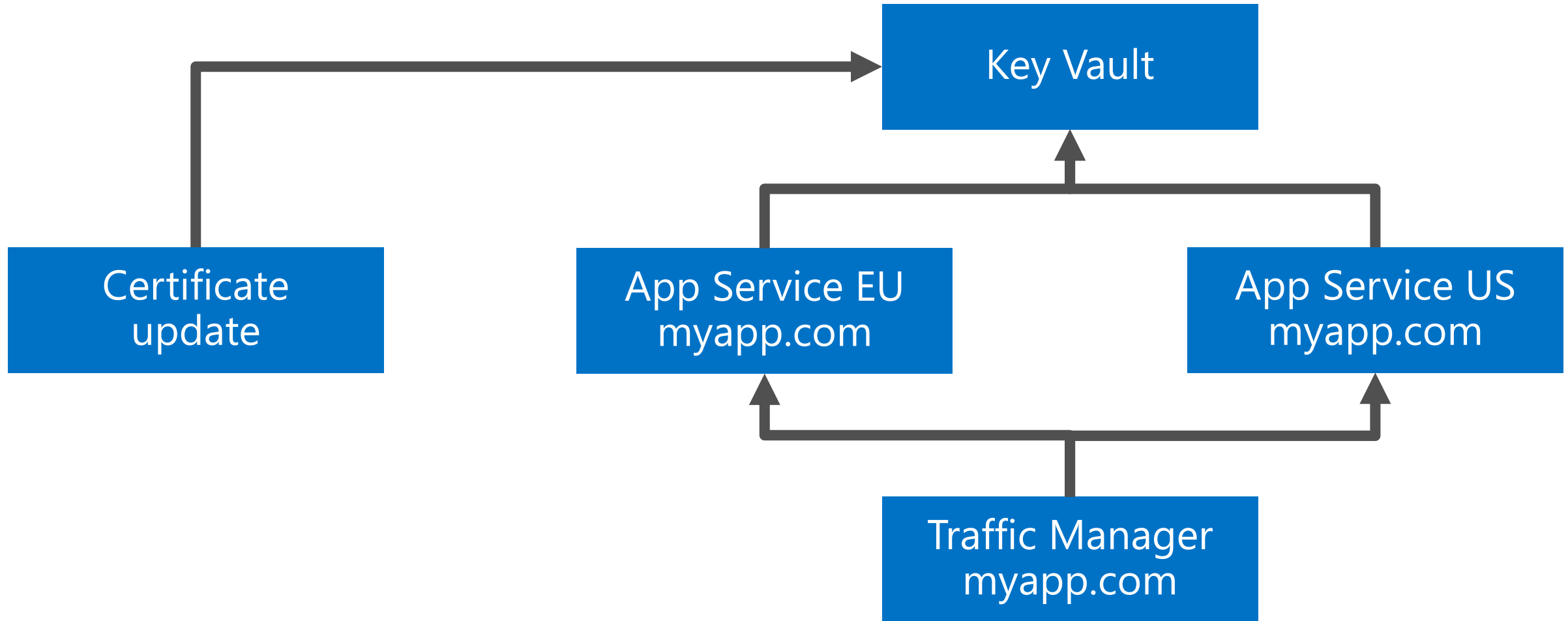
Key Vault structure



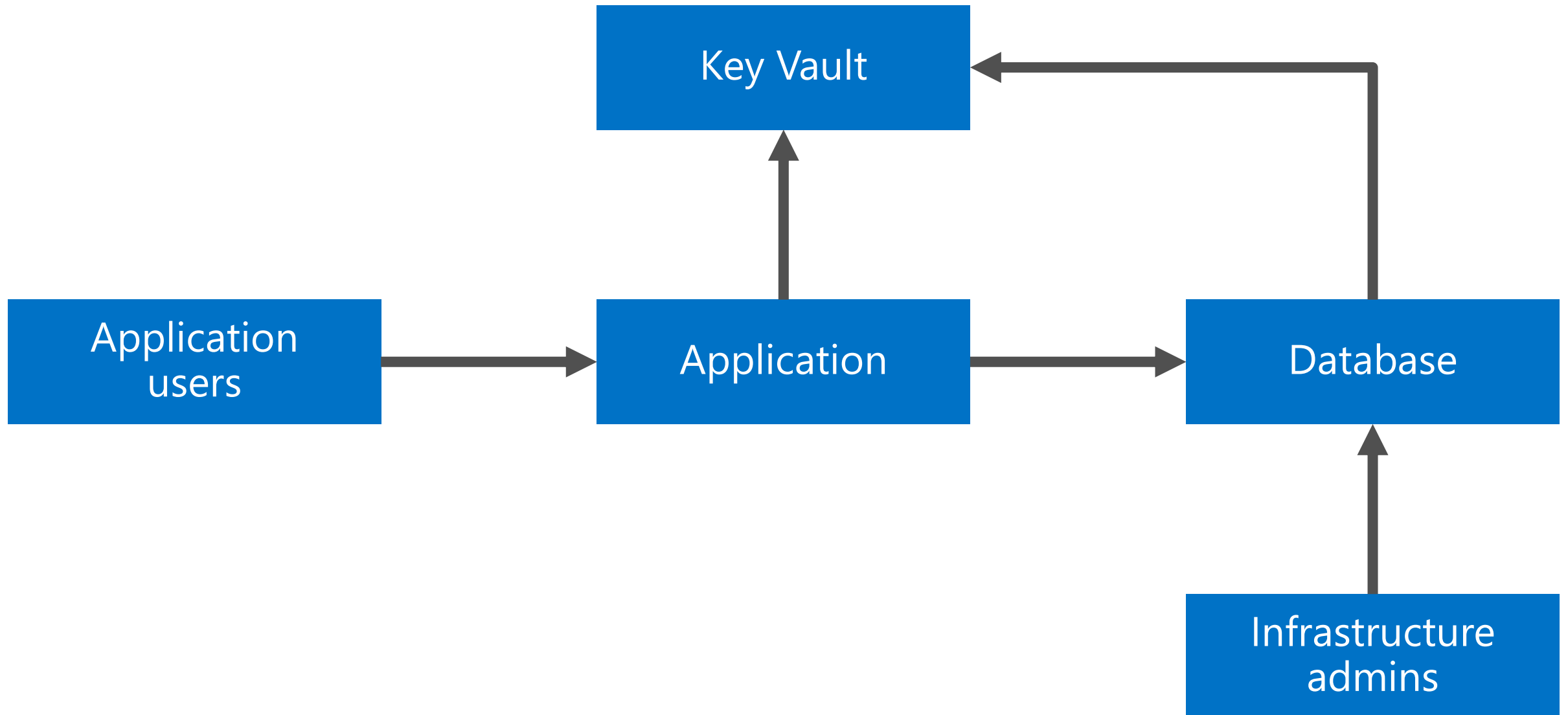
Secrets



Certificates



Keys



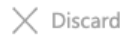
Access policies

Dashboard > Key vaults > secrets-kv-2ur2pdxv74p3o

» secrets-kv-2ur2pdxv74p3o | Access policies ...

Key vault

Search (Cmd+/)



Quickly protect your Key vault from accidental deletion by turning on soft-delete. Please enable soft-delete in 'Properties' page. Click here to learn more. →

Enable Access to:



Azure Virtual Machines for deployment ⓘ



Azure Resource Manager for template deployment ⓘ



Azure Disk Encryption for volume encryption ⓘ

Permission model






Vault access policy



Azure role-based access control

[+ Add Access Policy](#)

Current Access Policies

Name	Email	Key Permissions	Secret Permissions	Certificate Permissions	Action
APPLICATION					
 config-func-2ur2pdx...		0 selected ▾	2 selected ▾	0 selected ▾	Delete
 metadata-func-2ur2p...		0 selected ▾	2 selected ▾	0 selected ▾	Delete
 task-func-2ur2pdxv7...		0 selected ▾	2 selected ▾	0 selected ▾	Delete

App Service integration

```
@Microsoft.KeyVault(  
VaultName=secrets-kv-2ur2pdxv74p3o;  
SecretName=conn-str-storage-data  
)
```

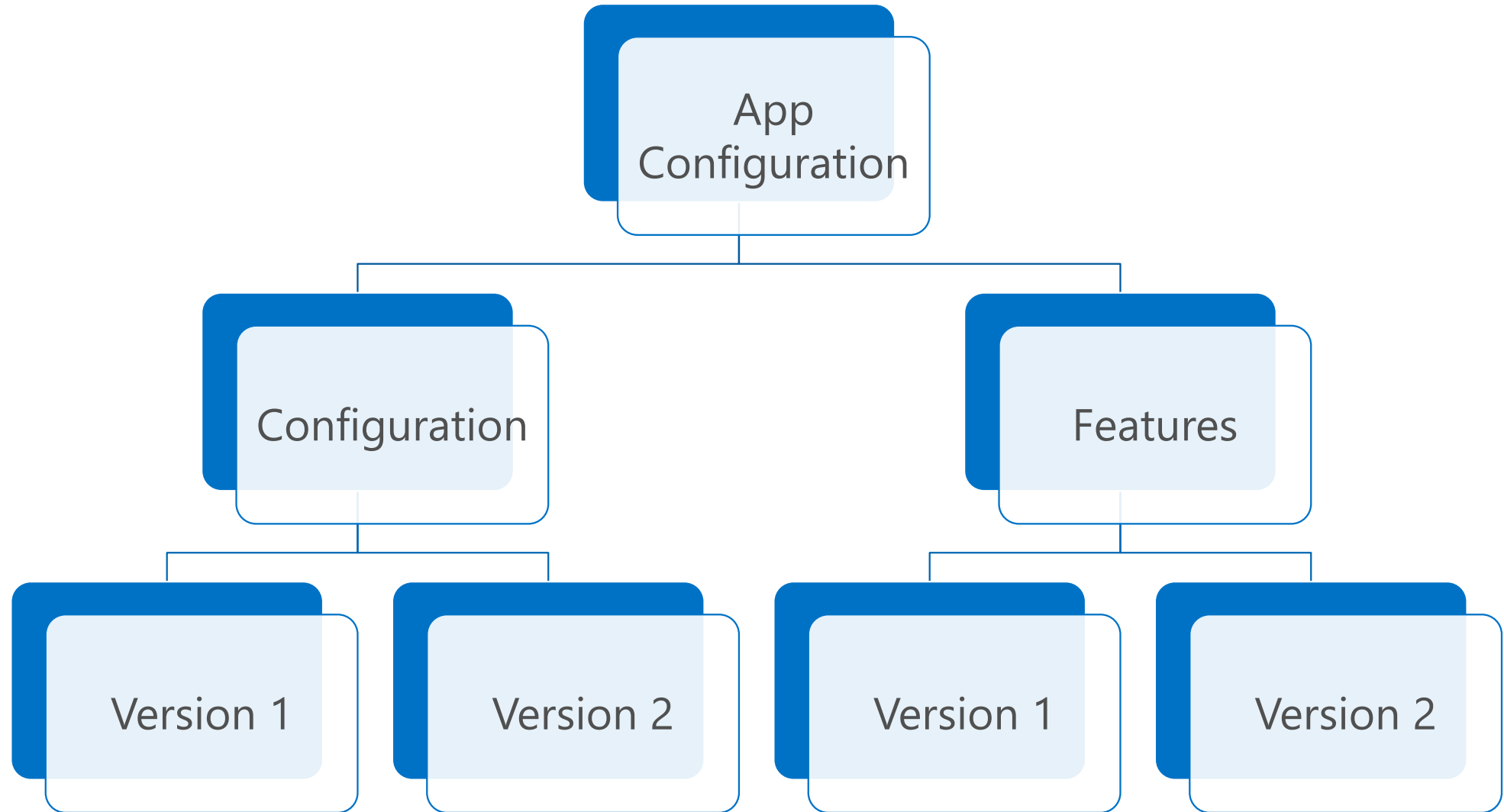


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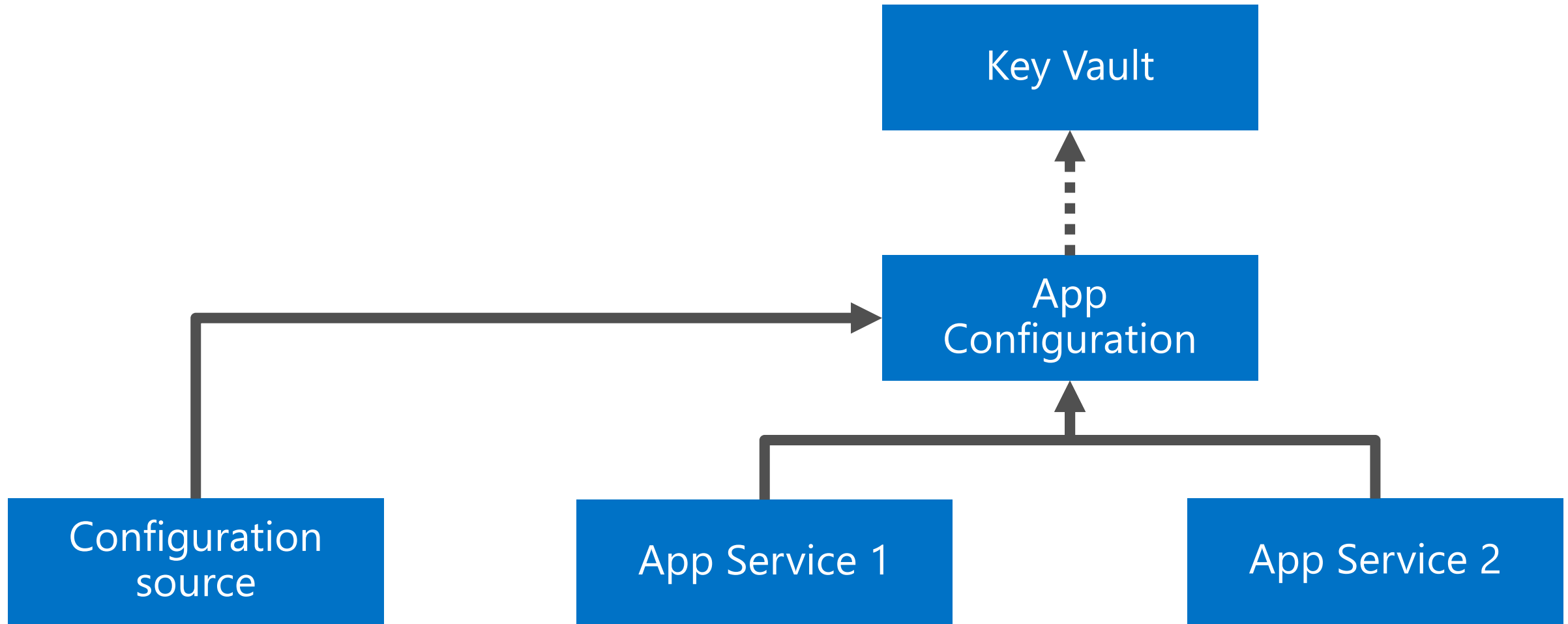
App Configuration



App Configuration structure



Configuration and Features



App Service integration

```
@Microsoft.AppConfiguration(  
Endpoint=https://myAppConfigStore.azconfig.io;  
Key=myAppConfigKey  
)
```




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Questions?



Homework

Do (1)

Create infrastructure templates using ARM, Bicep and Terraform.

Do (2)

Create a template for Key Vault.

Create a template for App Configuration.

Do (3)

Create a template to enable system-managed identity for App Service.

Create a template to assign App Service system managed identity to Key Vault with secrets get and list privileges.

Create a template to assign an App Service system managed identity App Configuration Data Reader role for a specific App Configuration resource.

Deadline

Recommended – by the
end of the day 07.09.2022



Maximum – by the end of
the day 09.09.2022

