

# Session 13

## Azure networking (advanced)

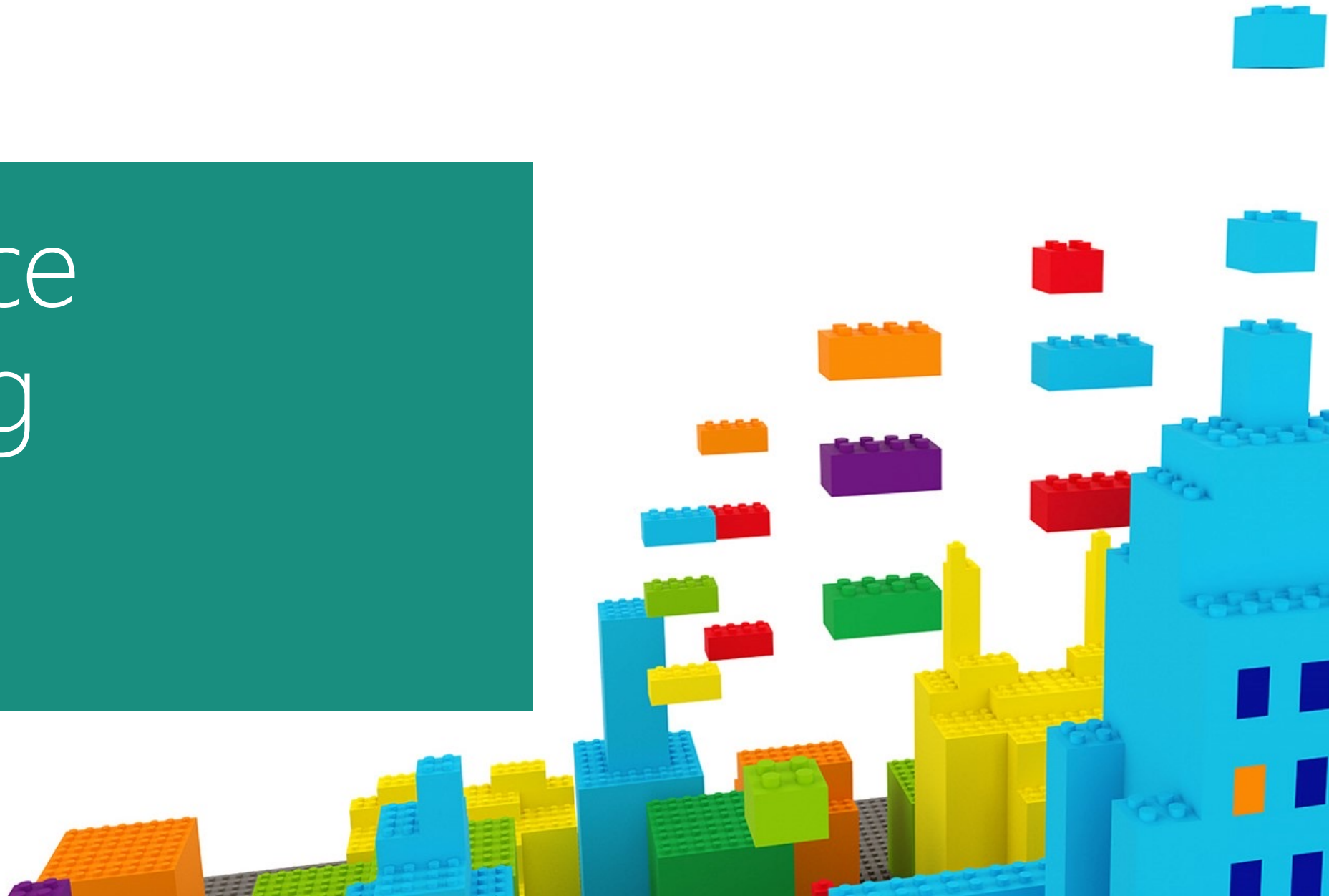
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# Housekeeping

- ❑ 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.




# App Service networking



### Inbound Traffic

Manage access and incoming services.

#### Features

-  [Access restriction](#) ☒ On
-  [App assigned address](#) ☐ Off
-  [Private endpoints](#) ☐ Off

#### Inbound address

20.50.2.37



### Web App

These custom domains direct traffic to your web app.

#### Domains



[api.dev.postavky.online](#)

[postavky-dev-web-api.azurewebsites.net](#)

### Outbound Traffic

Set up calls to app dependencies like databases.

#### Features

-  [VNet integration](#) ☒ On
-  [Hybrid connections](#) ☐ Off

#### Outbound addresses

51.137.26.141,51.138.26.220,51.138.2  
8.239,51.138.31.173






[...Show more](#)

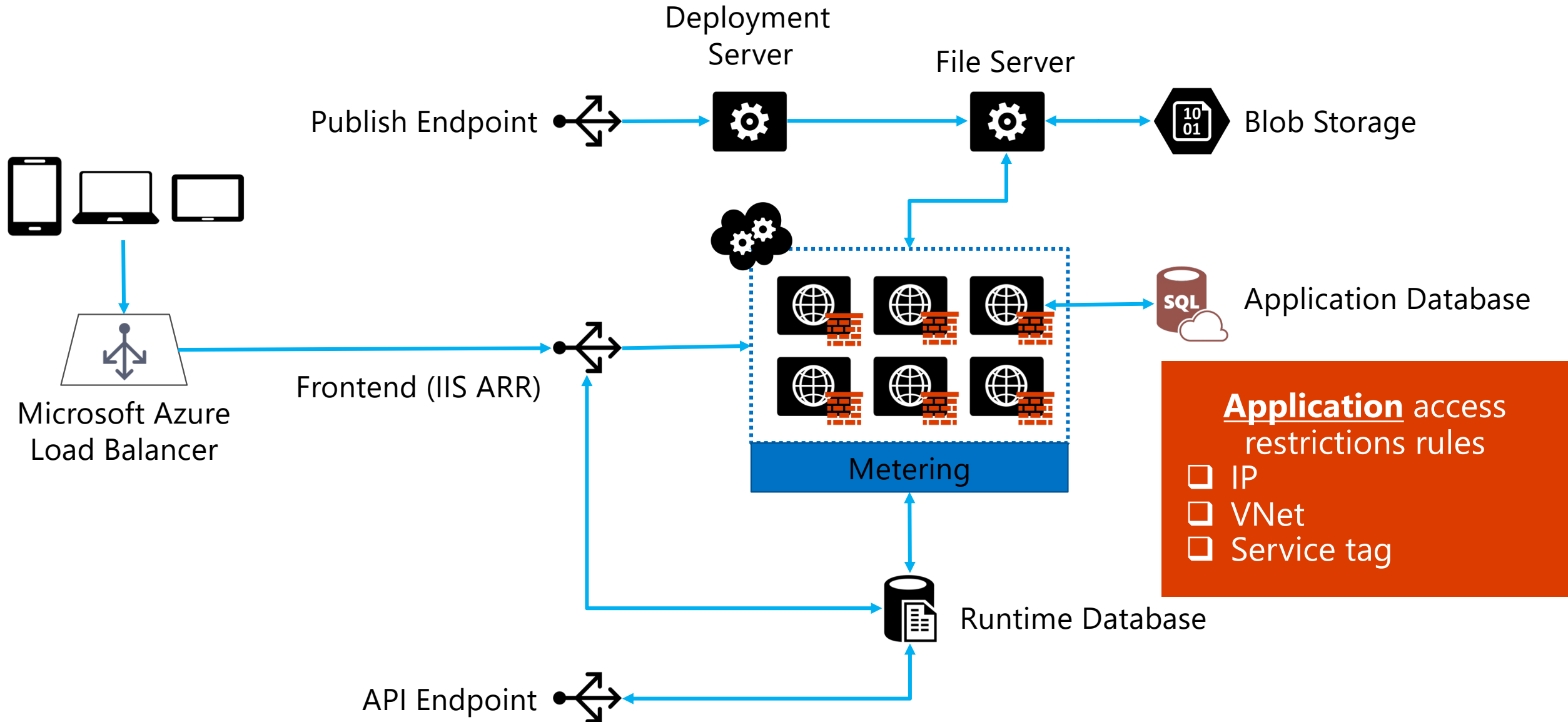
### Inbound networking features

-  [Azure CDN](#)
-  [Azure Front Door](#)

### Outbound networking features

-  [NAT Gateway](#) ☐ Off
-  [Network Security Group](#) ☐ Off
-  [User Defined Route](#) ☐ Off

# Access restriction



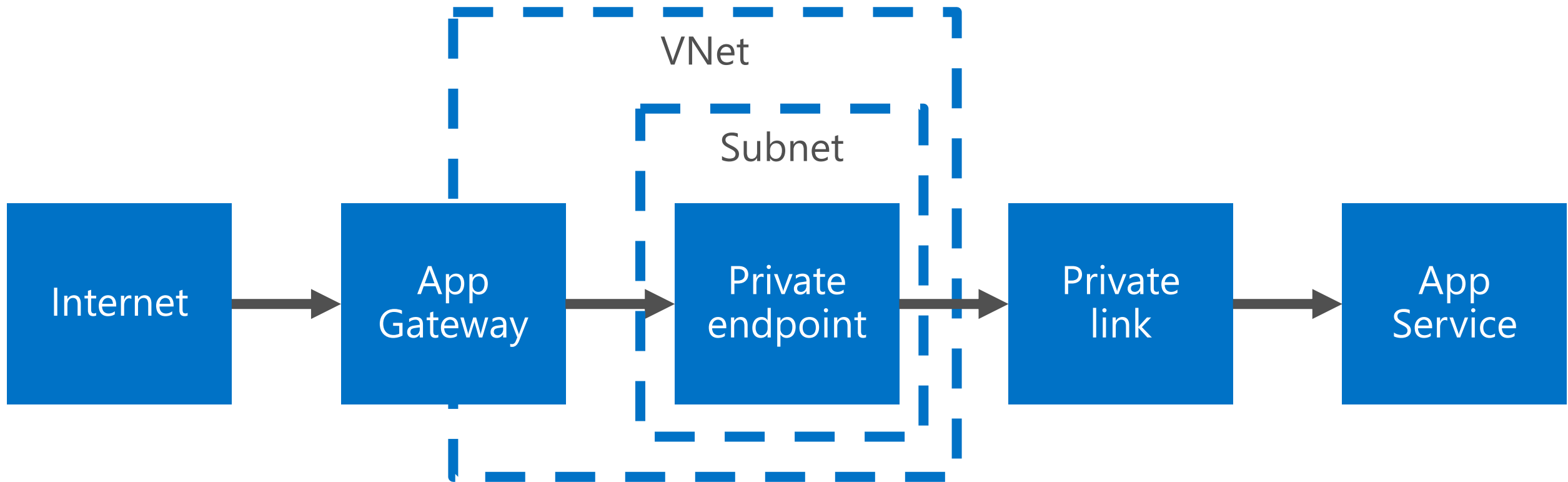


DEMO

# Private endpoints and private links

Inbound traffic only.

Disables public access.







DEMO



# VNet integration

1 active VNet integration only.

Outbound traffic only.

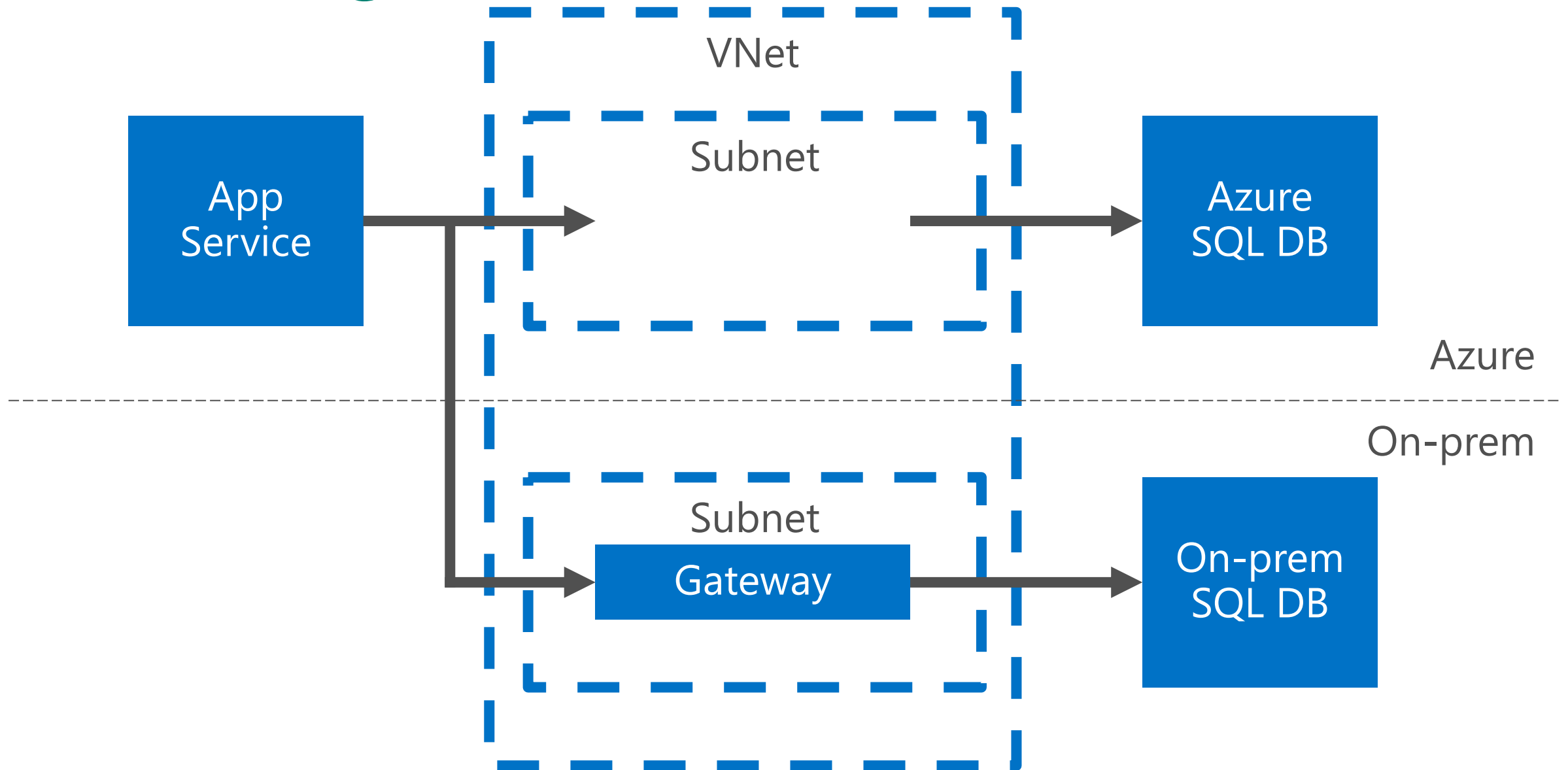
Regional and gateway-required integration.

Routing:

- Storage
- Container Registry
- Key Vault

NSG.

# VNet integration



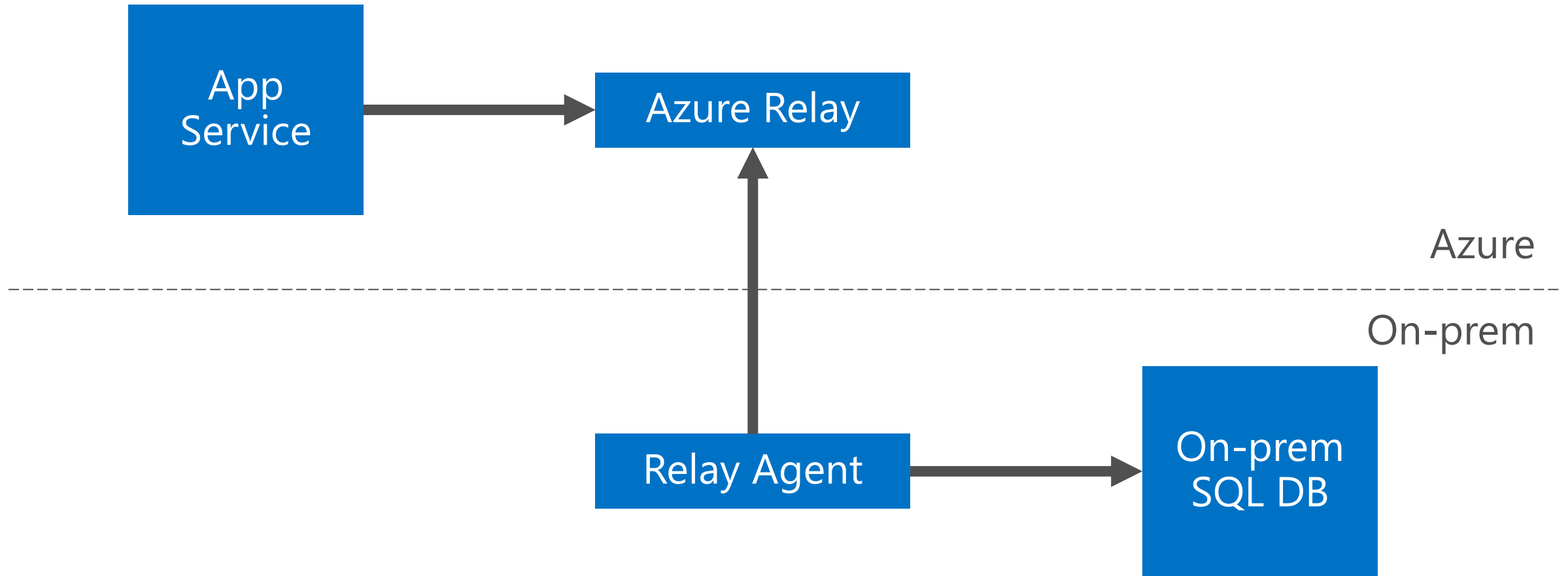
# Service endpoint vs Private endpoint

- Private Endpoints grant network access to specific resources behind a given service providing granular segmentation. Traffic can reach the service resource from on premises without using public endpoints.
- A Service Endpoint remains a publicly routable IP address. A Private Endpoint is a private IP in the address space of the virtual network where the private endpoint is configured.



DEMO

# Hybrid connection





# Questions?



# Homework

# Do (1)

Create infrastructure templates using ARM, Bicep and Terraform.

## Do (2)

- ❑ Template that configures VNet integration for App Service.
- ❑ Template that configures private endpoint for App Service.
- ❑ Template that configures service connection for SQL Database.
- ❑ Deploy Application Gateway for App Service using previously created templates.

# Deadline

Recommended – by the  
end of the day 05.09.2022



Maximum – by the end of  
the day 09.09.2022

