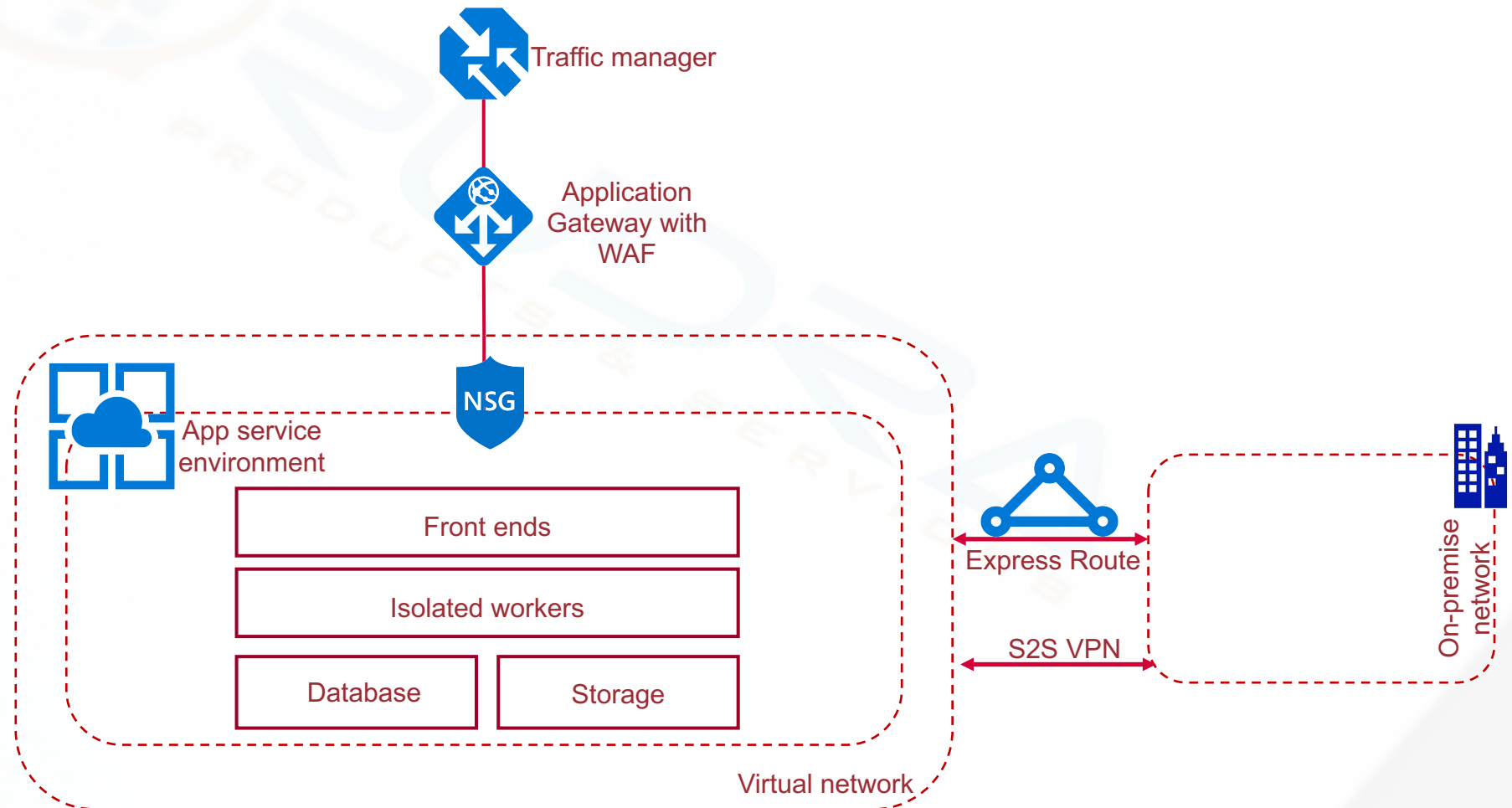# App Service Environment

Overview

- The Azure App Service Environment (ASE) is an Azure App Service feature that provides a fully isolated and dedicated environment for securely running App Service apps at high scale.

When to go for ASE

- Very high scale

- Isolation and secure network access

- High memory utilisation

- Apps running on ASEs can have their access gated by upstream devices, such as web application firewalls (WAFs)

ASE components

- **Front ends -** The front ends are where HTTP/HTTPS terminates in an App Service environment (ASE).

- **Workers -** The workers are the resources that host your apps.

- **Database -** The database holds information that defines the environment.

- **Storage -** The storage is used to host the customer-published apps.

ASE deployment types & versions

Deployment types

- **External ASE -** Exposes the ASE-hosted apps on an internet-accessible IP address.

- **ILB ASE -** Exposes the ASE-hosted apps on an IP address inside your VNet

Versions

There are now two versions of App Service Environment

- **ASE1**: ASEv1 can be deployed in a classic or Resource Manager Vnet

- **ASE2**: This is an advanced version. ASEv2 can only be deployed into a Resource Manager VNet.