



Microsoft Azure

Deploying Azure Load Balancer

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Module Overview:

1. Introduction to Load Balancing in Azure
2. Azure Load Balancer, Application Gateway and Azure Traffic Manager
3. Deploy load balancer, traffic rule, health probe
4. Test the load Balancer

Introduction to Load Balancing

Load Balancing is efficient distribution of the network or web traffic across multiple web servers or multiple endpoints.

Azure Load Balancing Services:

1. Azure Load Balancer
2. Application Gateway
3. Azure Traffic Manager

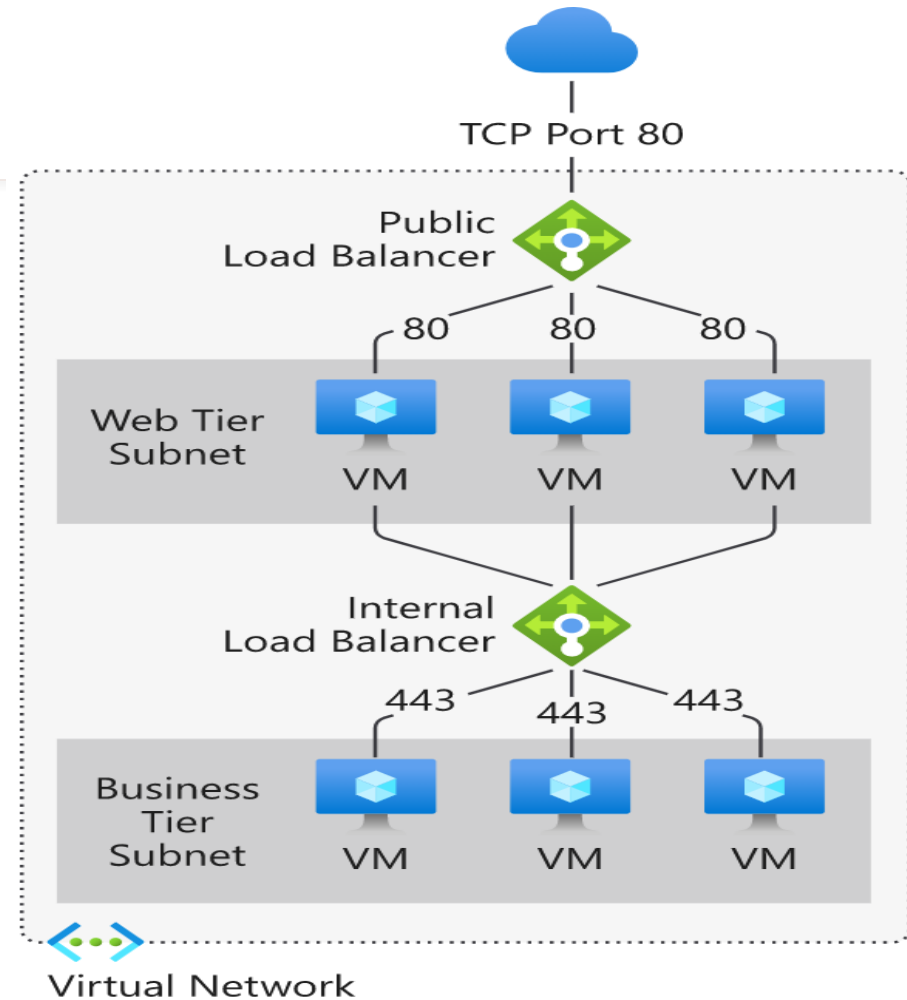
Azure Load Balancing

Public Load Balancer

Load Balance internet traffic to your VMs.

Internal Load Balancer

Load balance traffic inside a virtual network



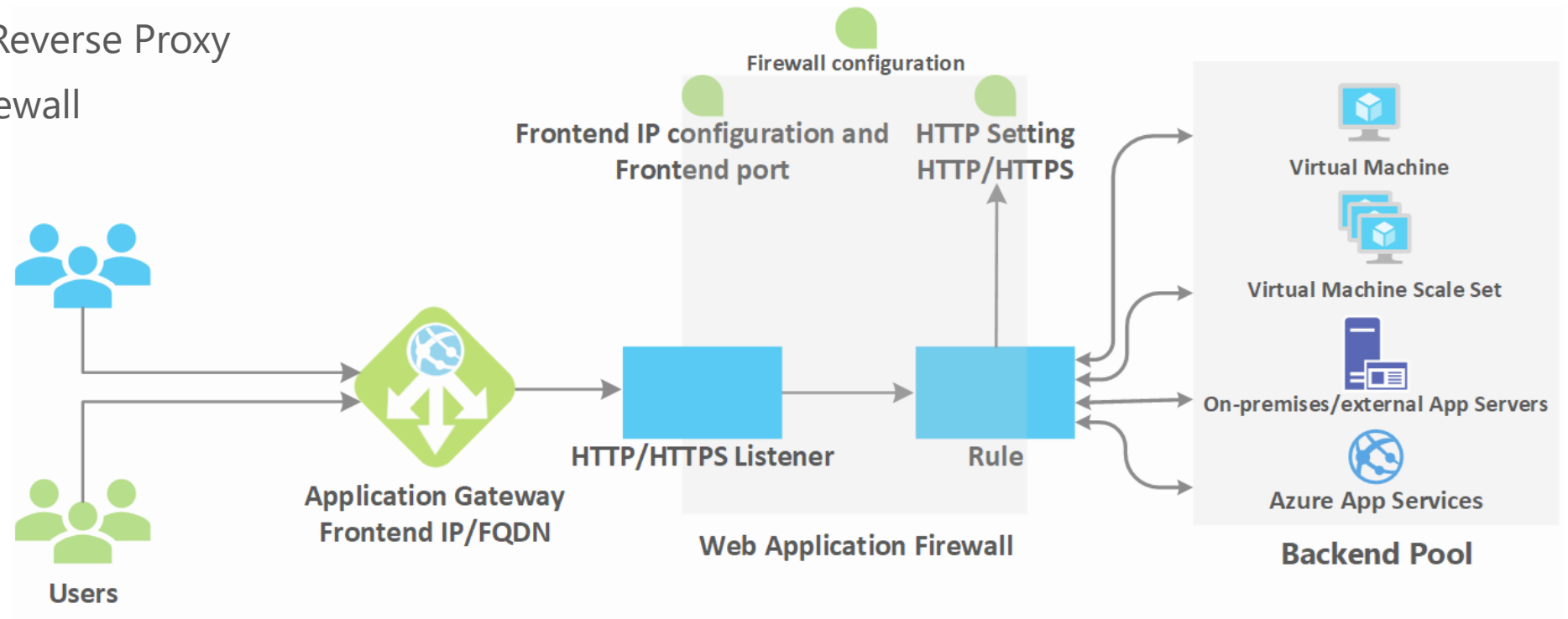
Application Gateway

Routing decisions are based on:

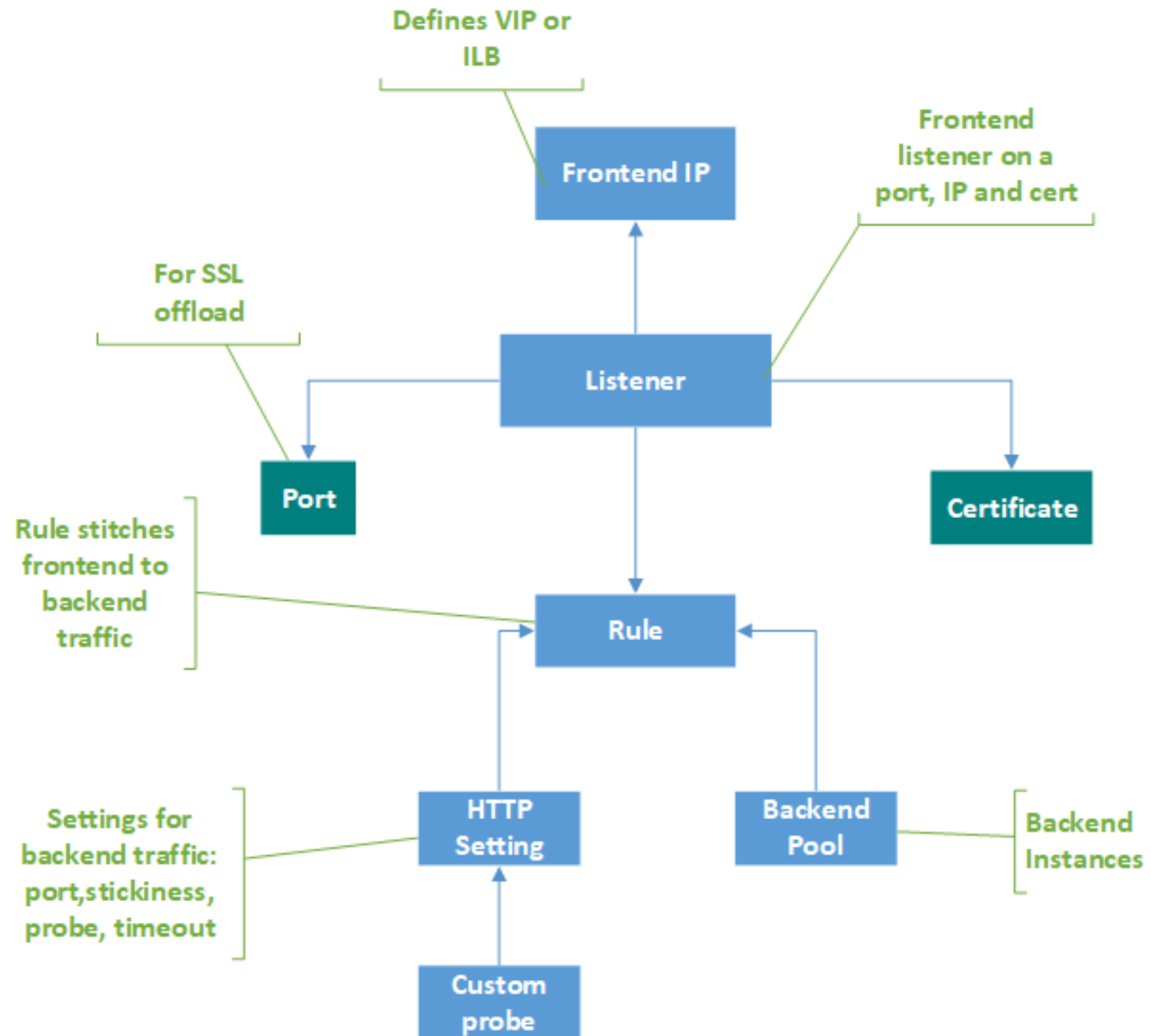
HTTP/HTTPS headers

SSL offloading and Reverse Proxy

Web Application Firewall



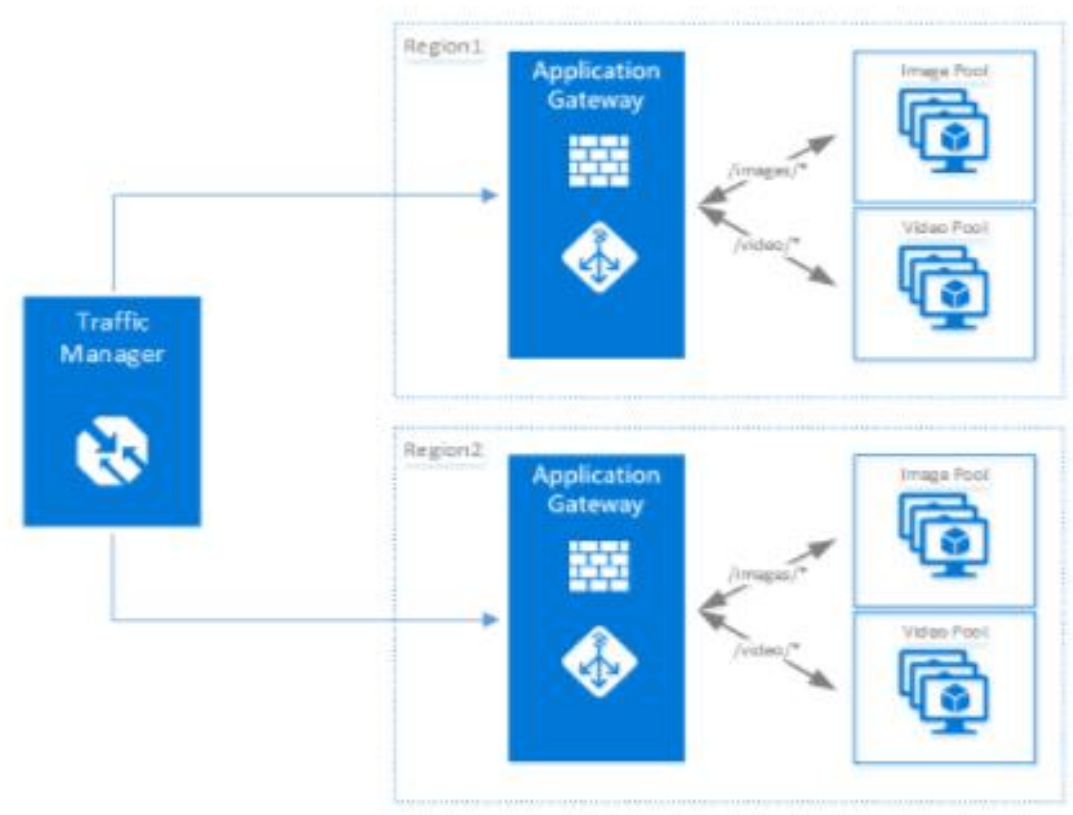
Application Gateway Features



Azure Traffic Manager

The endpoints are distributed over multiple regions in Azure.

The traffic is distributed to services across global Azure regions




Lab: Azure Load Balancer (Basic)

Pre-requisites:

1. Resource group and Virtual Network
2. 2 VMs created in the same Virtual Network and in the same Availability Set

Azure Load Balancer can be created using

- Azure Portal 
- Azure Powershell
- Azure Cli
- ARM Template

Login to Azure Portal

<https://portal.azure.com>

If you do not have Azure Account you can sign up for a trial account and get free credits of 100\$

Reference Links :

<https://docs.microsoft.com/en-us/azure/load-balancer/>

<https://docs.microsoft.com/en-us/azure/virtual-network/quick-create-portal>

Thank You