Microsoft Azure Administrator: Configure Name Resolution

CONFIGURE NAME RESOLUTION FOR AN AZURE VIRTUAL NETWORK

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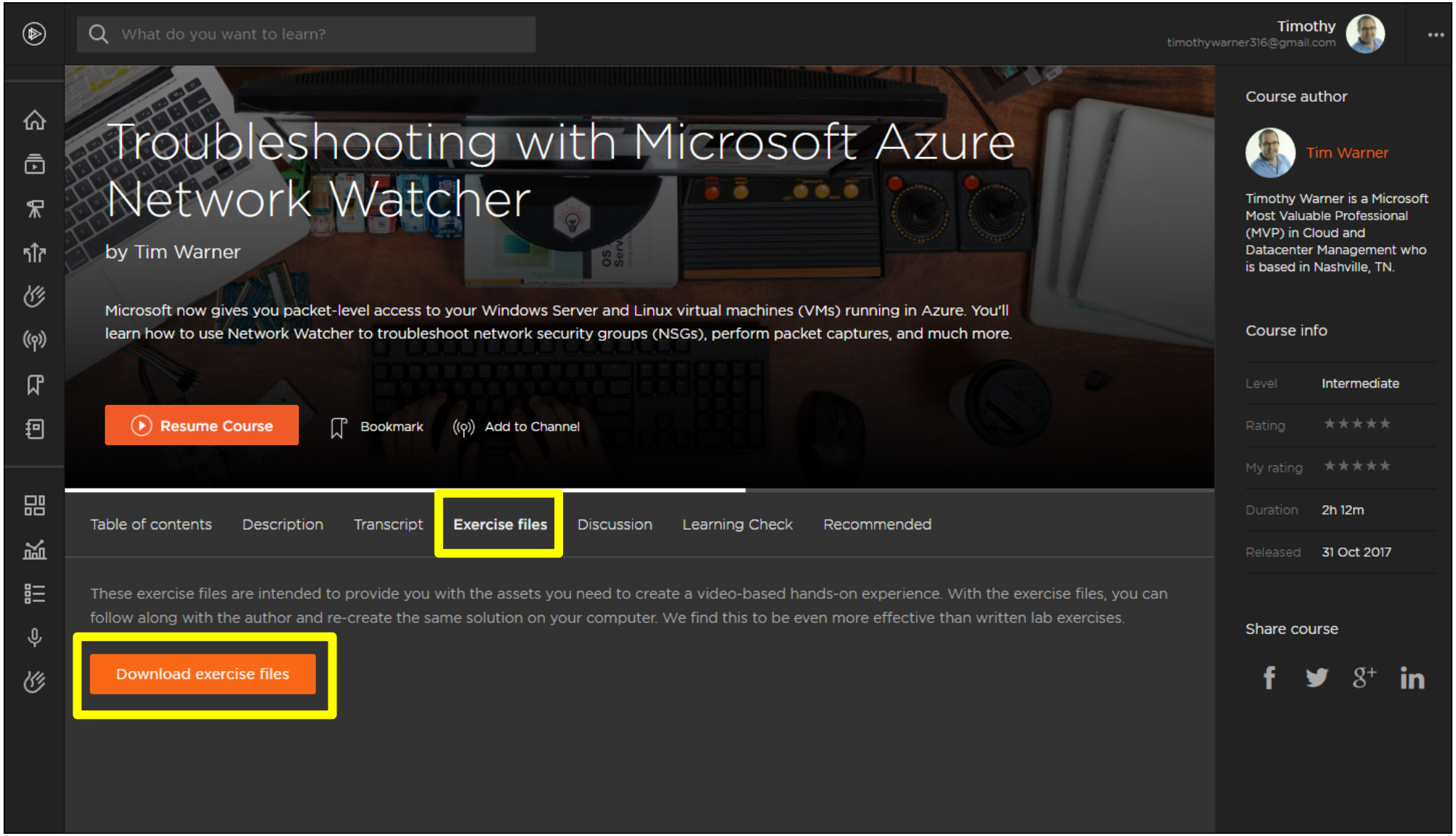
Overview

Understand this course

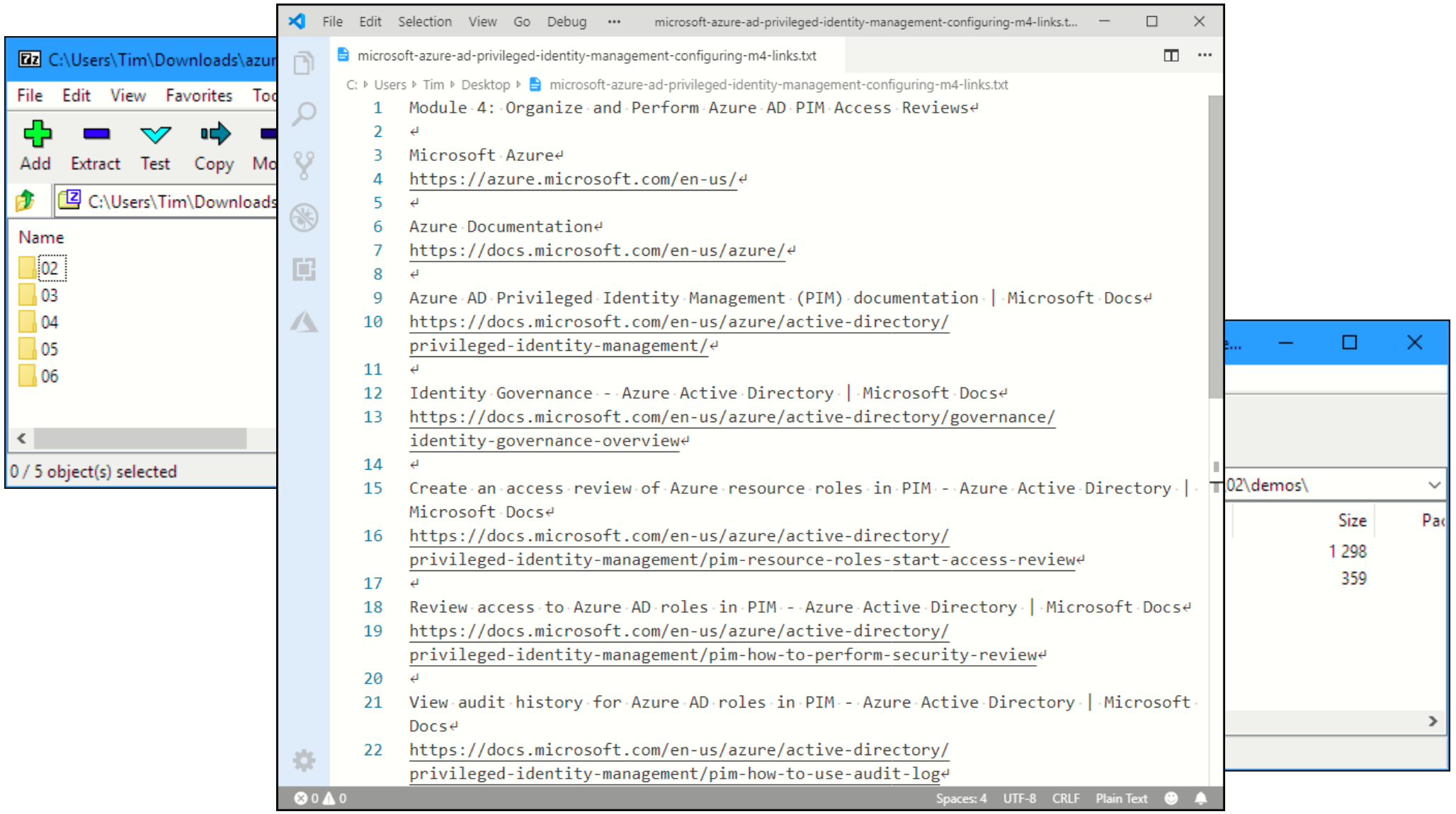
Describe Azure-provided name resolution

Configure custom DNS settings

Exercise Files



Exercise Files



Understand this Course

Exam AZ-104 OD

Objective Domain

Functional Group

Objective

Skills

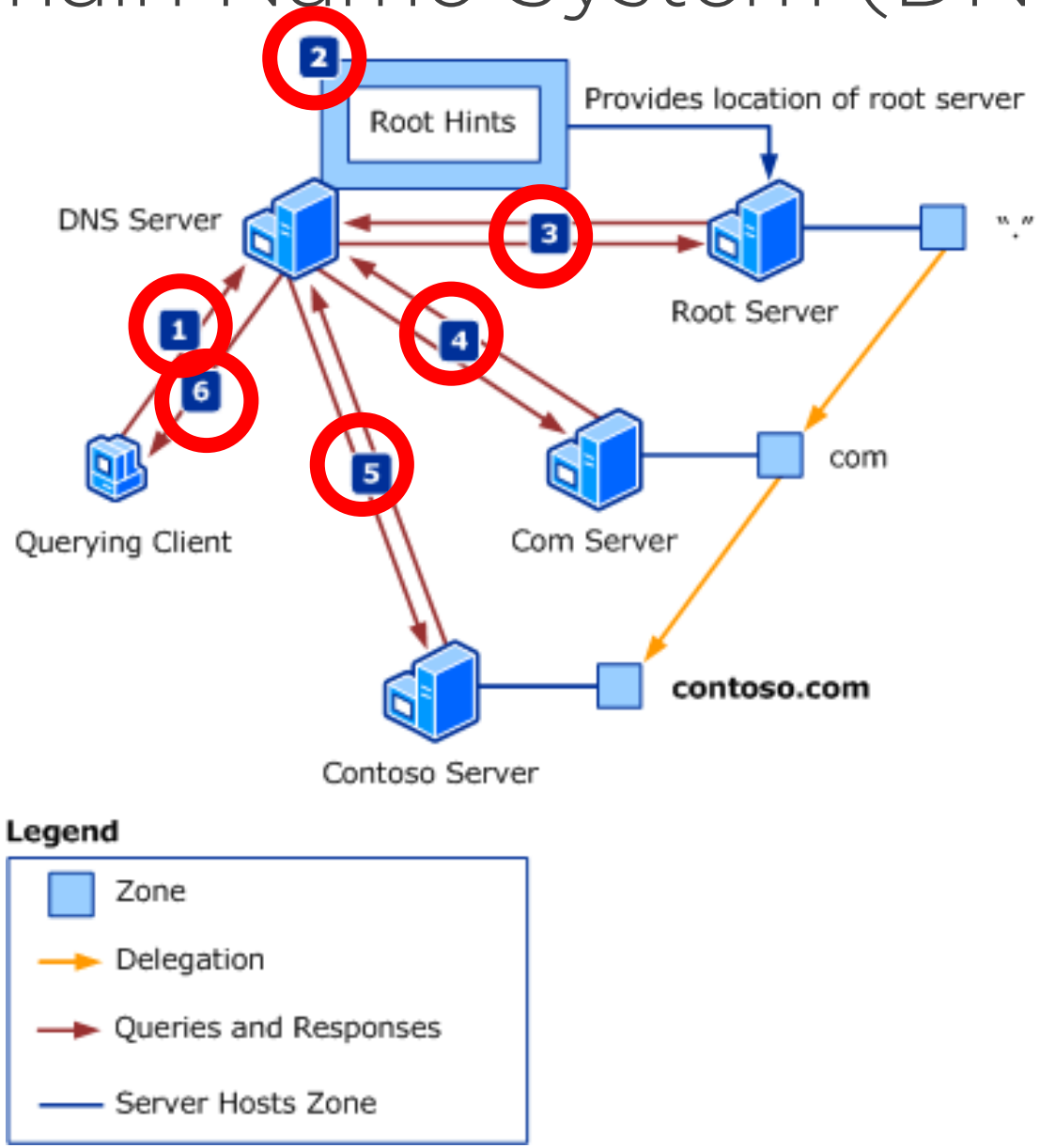
xam AZ-104: Microsoft Azure Administrator – Skills Measured

Configure and manage virtual networking (30-35%)

Configure name resolution

configure Azure DNS
configure custom DNS settings
configure a private or public DNS zone

Domain Name System (DNS)



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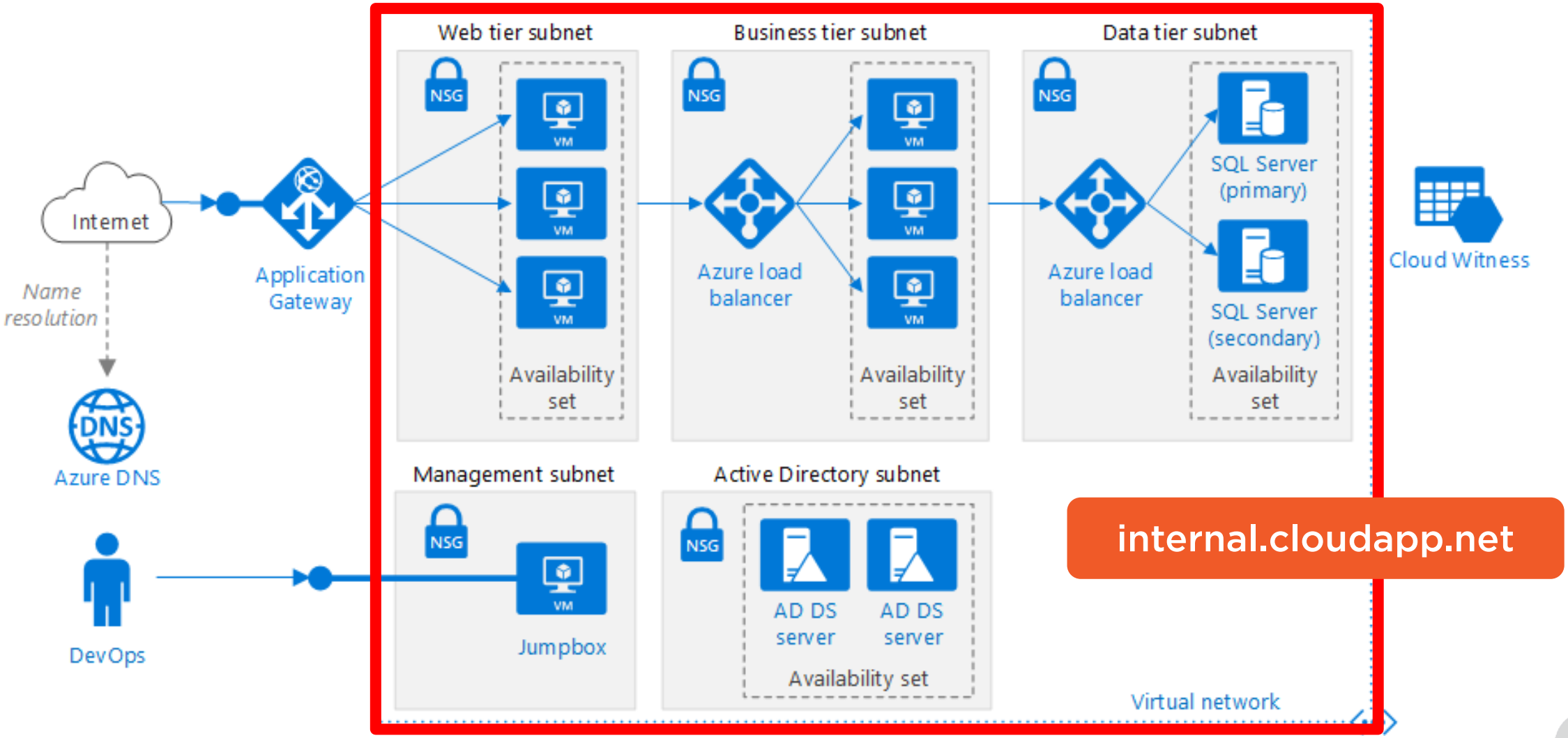
Configure Azure-Provided Name Resolution

Context: Azure Virtual Network



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Azure-Provided Name Resolution

Hostname (single label name) resolution within a single VNet

Advantage: Ease of use/no configuration

Advantage: No more globally unique VM hostnames

***.internal.cloudapp.net**

- Can't modify suffix

WINS and NetBIOS names are not supported

Both A and PTR lookups are supported

Azure Wire Server: 168.63.129.16

Enables VM Agent to communicate with Azure platform

Intra-VNet name resolution

Azure-provided DHCP

Demo

1

Inspect a VNet

- DNS settings
- VM / NIC DNS settings

ipconfig /all

Test connectivity between two VMs on the hub-vnet

Configure Custom DNS Settings

Custom DNS Use Cases

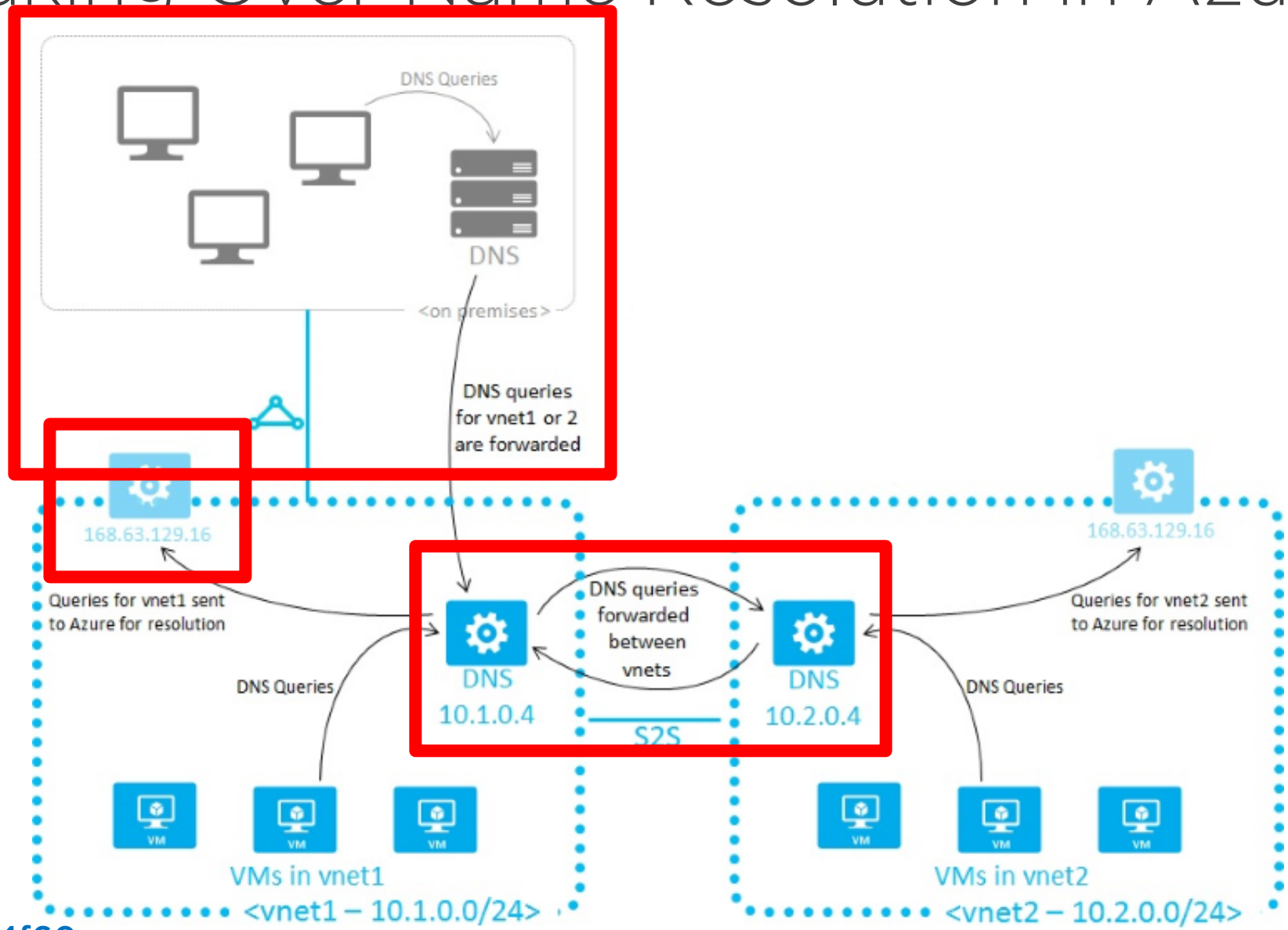
On-premises Active Directory

IaaS Active Directory

Inter-VNet name resolution

FQDN name resolution

Taking Over Name Resolution in Azure



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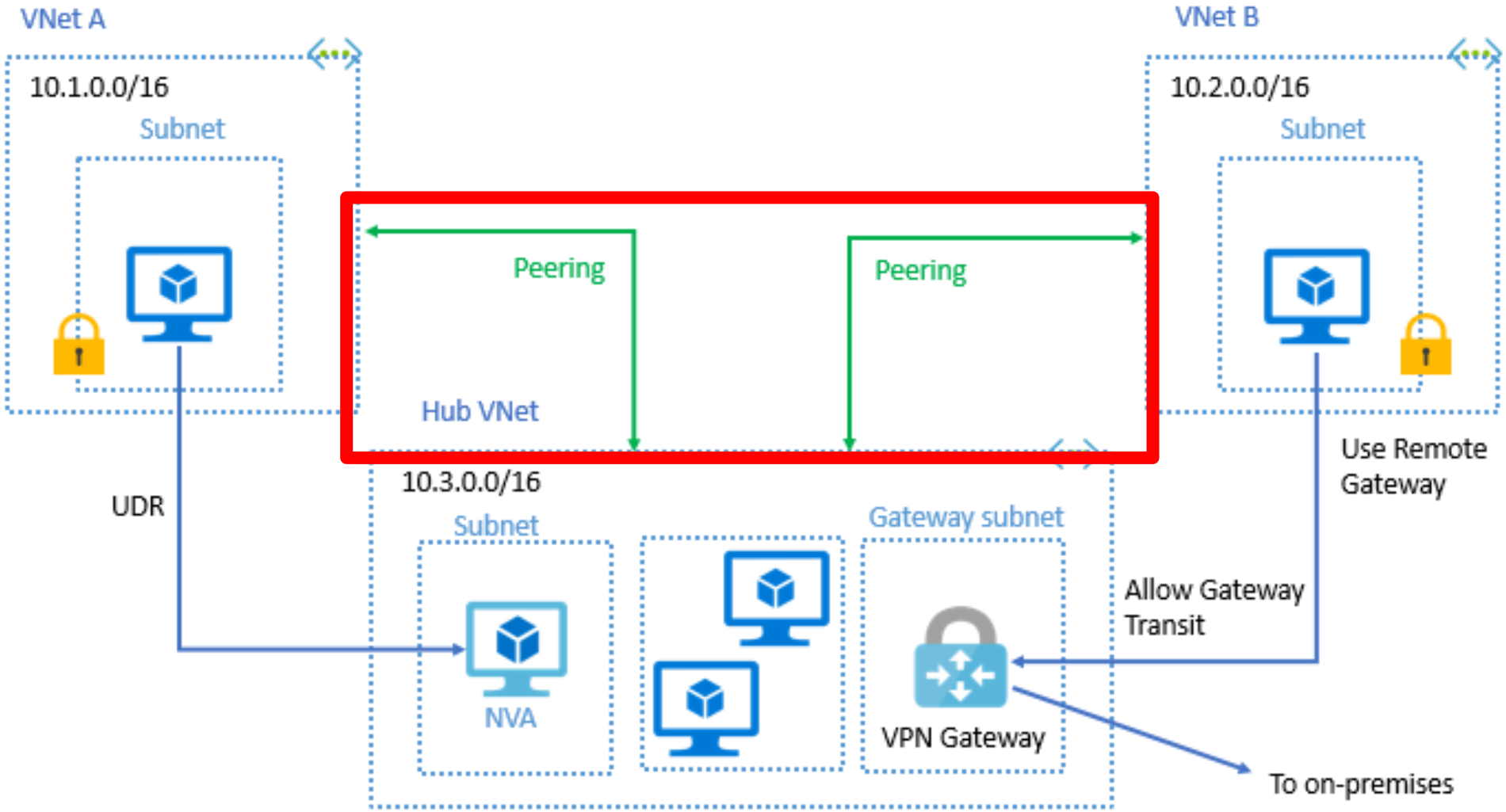
Virtual Network Peering



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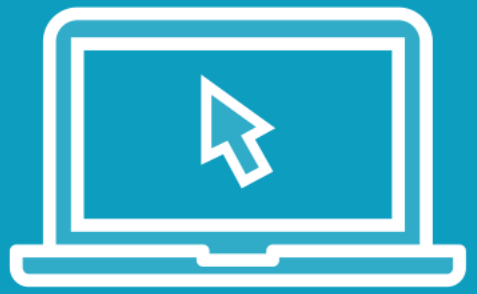
Demo



2

Configure tim vm as domain controller / dns server

Set a custom DNS server

Join another box to the domain

Summary

In VNets, Azure-provided name resolution is quite basic indeed

You need to devise a name resolution strategy for your Vnets

For maximum control, deploy your own DNS servers

Next module: Configuring the Azure DNS Service