Becoming a Microsoft Azure Administrator

Get up to Speed with Azure IaaS

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MVP Microsoft Most Valuable Professional

Microsoft CERTIFIED AZURE SOLUTIONS ARCHITECT EXPERT

Agenda

timw.info/admin

Understand the Azure IaaS use case

Implement Azure IaaS

Develop your skills

Seminar Series Overview

Shifting Your Paradigm

Get Up to Speed with Azure IaaS

Get Up to Speed with Azure PaaS

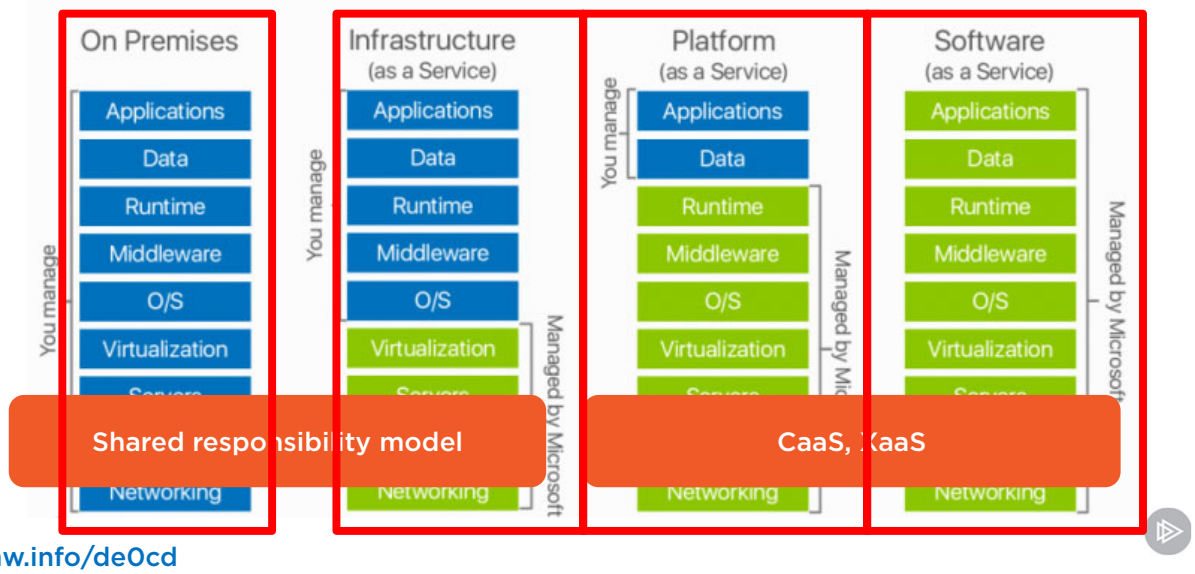
Sprinkle Some Azure DevOps on It

Skills Development: Theory and Practice

Skills Development: Certification

Understand the IaaS Use Case

Placing IaaS In Context



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Azure IaaS Points to Ponder

Advantages

You can run software that isn't supported by Azure PaaS

You get full-stack access to the VM

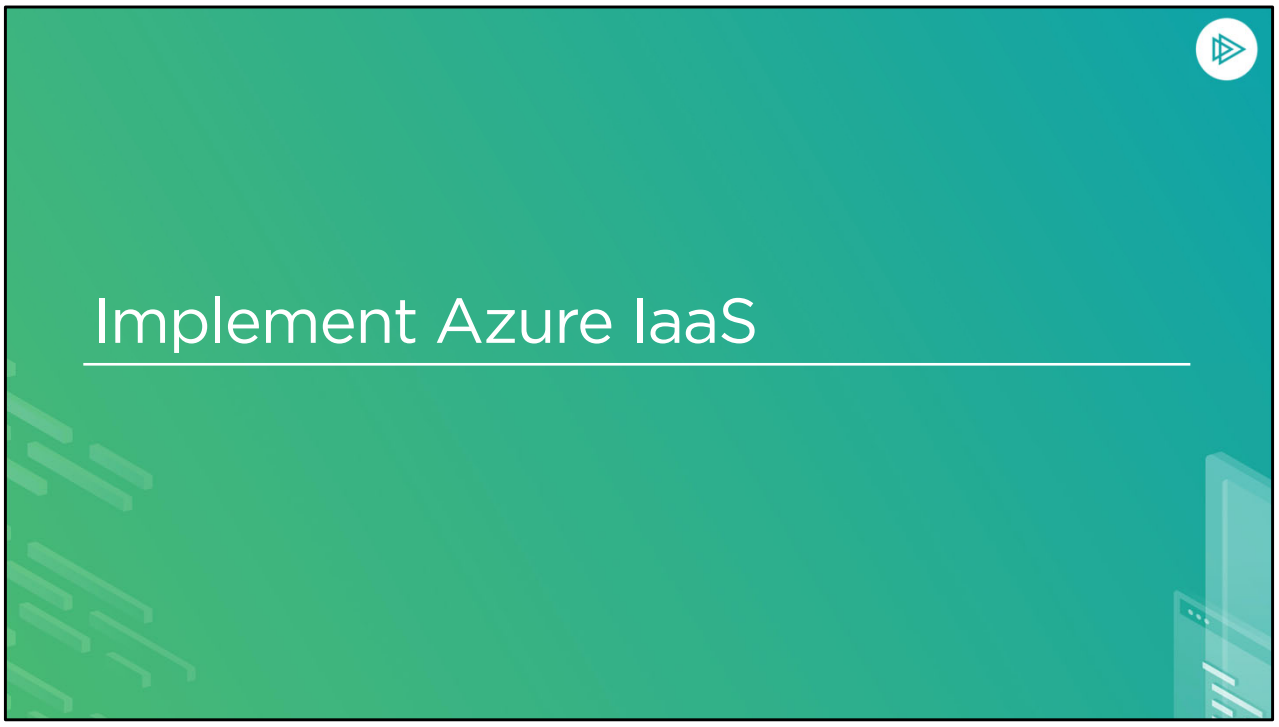
You can keep at least part of your on-premises sysadmin skills

Disadvantages

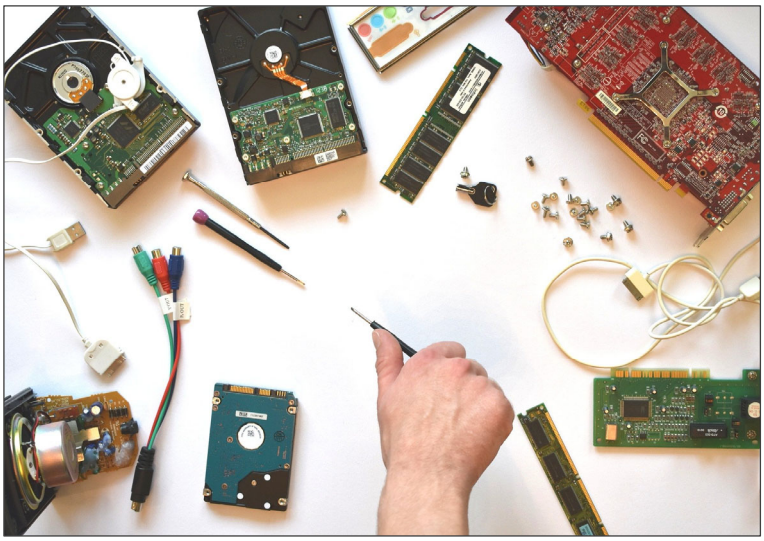
You are responsible for updating, backing up, securing, and troubleshooting the VM

You are responsible for load balancing and autoscaling

Likely more expensive than comparable Azure PaaS services


Implement Azure IaaS

Remember to Shift Your Paradigm



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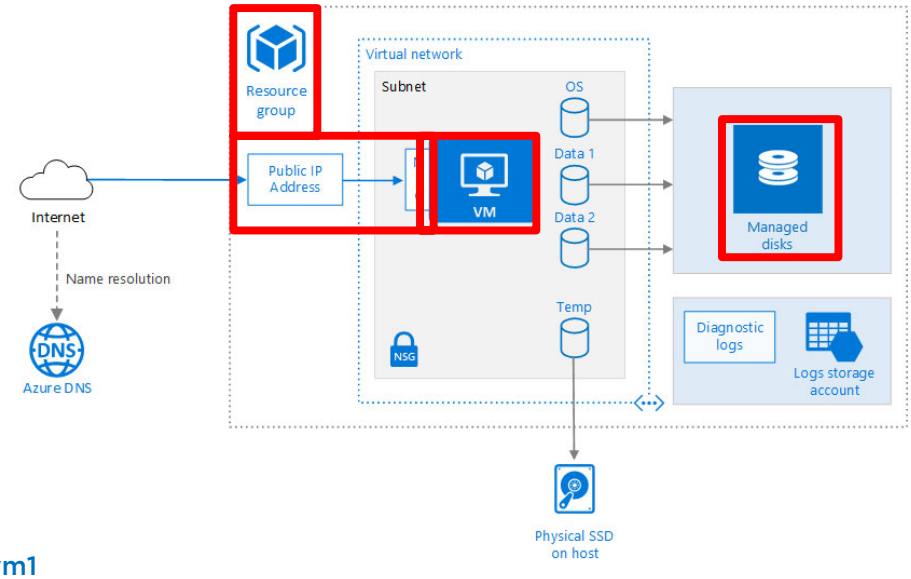
Azure Virtual Machines



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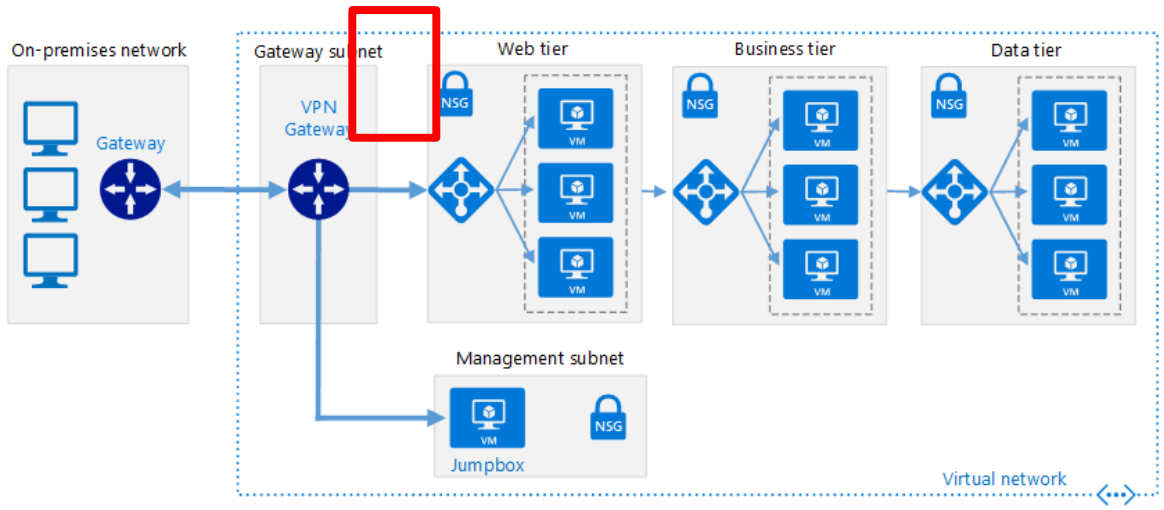
Supported Windows Operating Systems

- Windows Server 2019 Datacenter
- Windows Server 2016 Datacenter
- Windows Server 2012 R2 Datacenter
- Windows Server 2008 R2 SP1
- Windows 10

Azure-Endorsed Linux Distributions

Red Hat Enterprise Linux (RHEL)	Ubuntu	Oracle Linux
CentOS/CoreOS	SUSE Linux Enterprise	openSUSE

Hybrid Cloud Management



timw.info/hy3

Demo

1

Prepare a local VHD

Upload to Azure

Make it a managed disk

Create new VM from image

RDP and configure

Develop Your Azure IaaS Skills

Azure Admin Job Postings - Trends

Contract engagements

- Businesses are afraid of people who overestimate their Azure skill set
- Your tasks: Get clarity on position; convince the employer you're worth hiring full-time

Remote work

- WFH isn't for everyone
- Your task: Assess your fitness for the work

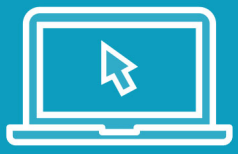
Hybrid skills

- Azure experience
- Lots of Windows Server stack experience
- Ethernet, TCP/IP, "other duties as required"
- Your task: Represent your skill set honestly

Widely variable requirements

- No "Senior" titles
- No distinction between "expert level" and "senior" positions
- References to software development and management
- Your task: Communicate your questions and expectations clearly

Demo



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Check Azure Admin jobs at:

- Dice
- LinkedIn/jobs

Azure IaaS Study Interests

Compute

- Hardware, software

Storage

- Local, network

Networking

- Ethernet
- TCP/IP

Fundamentals Certifications

CompTIA A+

General computer hardware and software maintenance

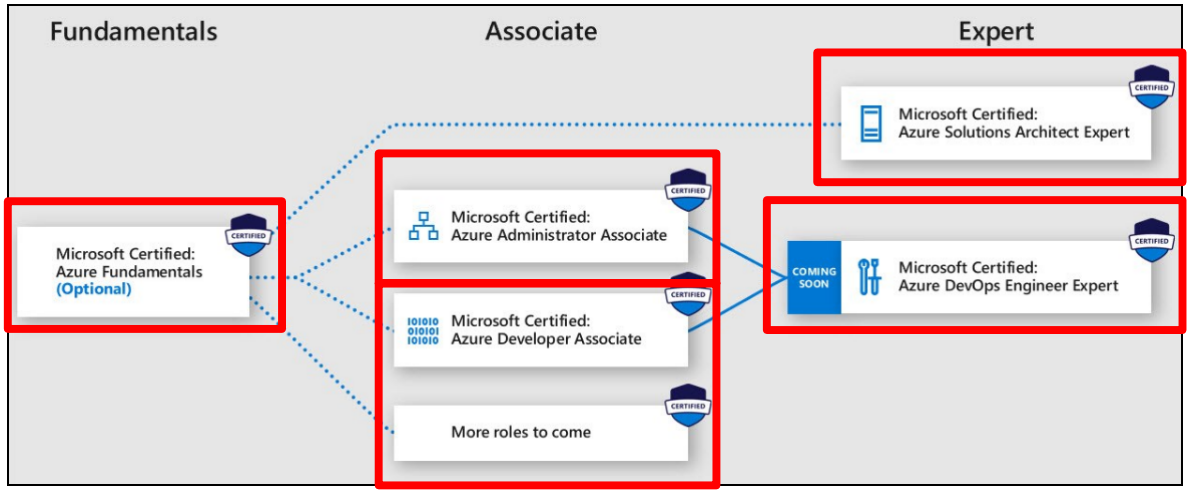
CompTIA Network+

General ethernet/TCP/IP networking

Azure Fundamentals

Foundational Microsoft Azure knowledge

Microsoft Azure Certifications



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"If nothing else, studying for an IT certification gives you a great excuse for diving into technology."

Tim's Words to the Wise

AZ-103 or AZ-104?

AZ-103

Current GA version

Set to retire on or around August 31, 2020

Has quite a bit of overlap with:

AZ-500 (Security)

AZ-300, 301 (Architect)

AZ-104

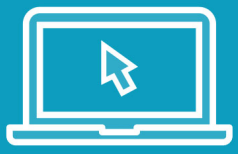
Same badge and two-year expiration as AZ-103

In beta until or around August 31, 2020

80 percent discount registration incentive

Pluralsight Role IQ and Skill IQ

Demo



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<if there is time>

Demonstrate Pluralsight assessment questions

- Kaplan

Show how to register for Azure and CompTIA certification exams

Questions?

What's Next

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Session 2 Homework

- Use your Azure free account to create a VM (don't forget to stop/deallocate or delete)
- Get your Azure Administrator role IQ at Pluralsight (timw.info/psadmin)
- Try some Azure Administrator virtual machine labs at Microsoft Learn (timw.info/vmlabs)

Thanks so much!

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