



Becoming a Microsoft Azure Administrator

Get up to Speed with Azure IaaS



Tim Warner

AUTHOR EVANGELIST, PLURALSIGHT

@TechTrainerTim TechTrainerTim.com



Agenda



timw.info/admin

Understand the Azure IaaS use case

Implement Azure IaaS

Develop your skills



Seminar Series Overview



Shifting Your
Paradigm



Sprinkle Some Azure
DevOps on It



Get Up to Speed with
Azure IaaS



Skills Development:
Theory and Practice



Get Up to Speed with
Azure PaaS



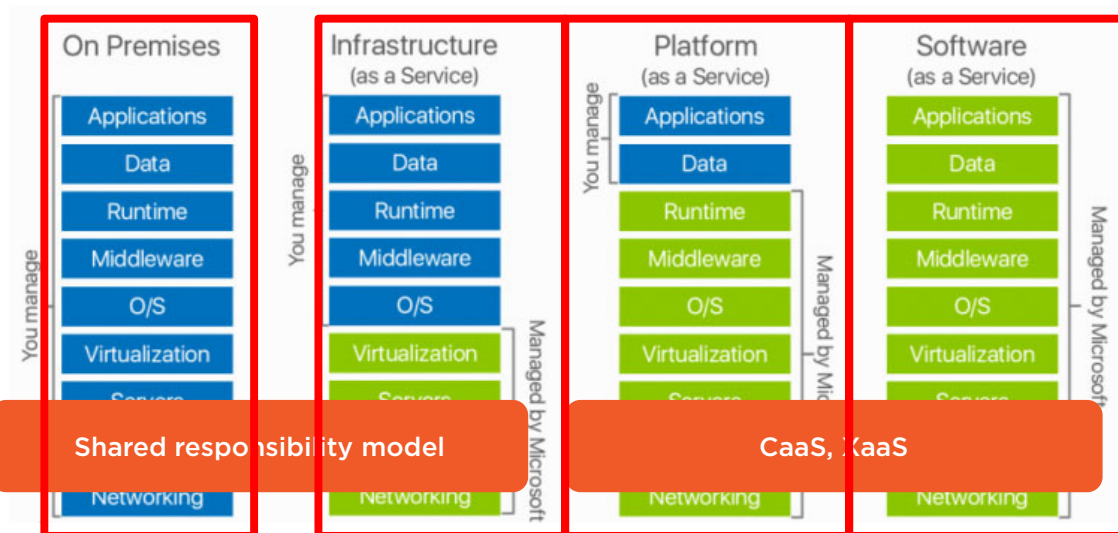
Skills Development:
Certification





Understand the IaaS Use Case

Placing IaaS In Context



timw.info/deOcd



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

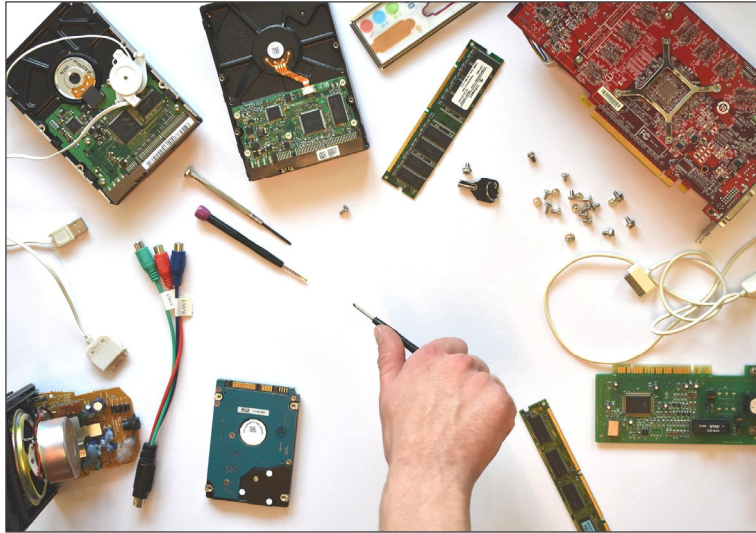
- You are responsible for updating, backing up, securing, and troubleshooting the VM
- You are responsible for load balancing and autoscaling
- Likely more expensive than comparable Azure PaaS services





Implement Azure IaaS

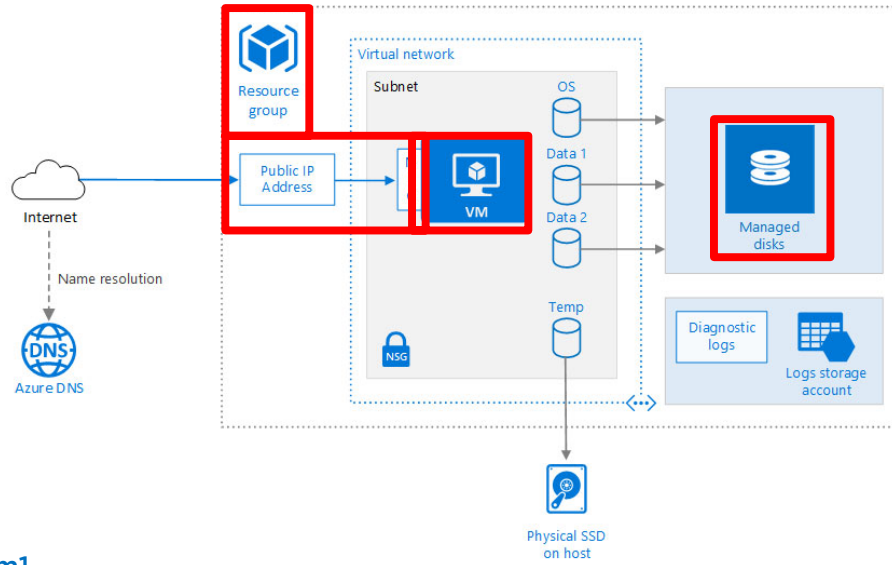
Remember to Shift Your Paradigm



timw.info/hw



Azure Virtual Machines



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

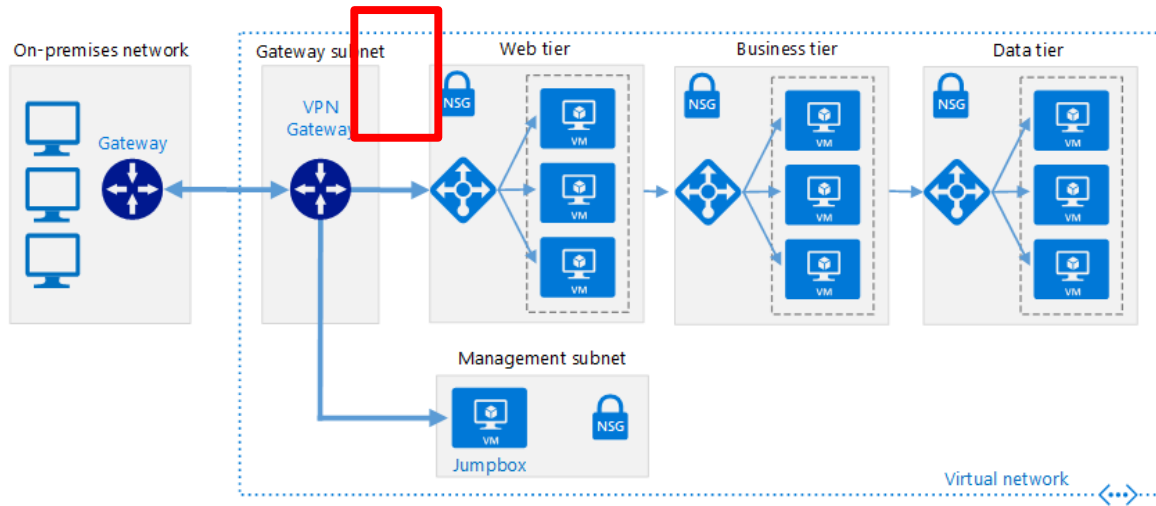
CentOS/CoreOS

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

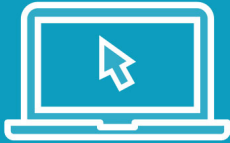
- Azure experience
- Lots of Windows Server stack experience
- Ethernet, TCP/IP, "other duties as required"
- Your task: Represent your skill set honestly

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



2

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



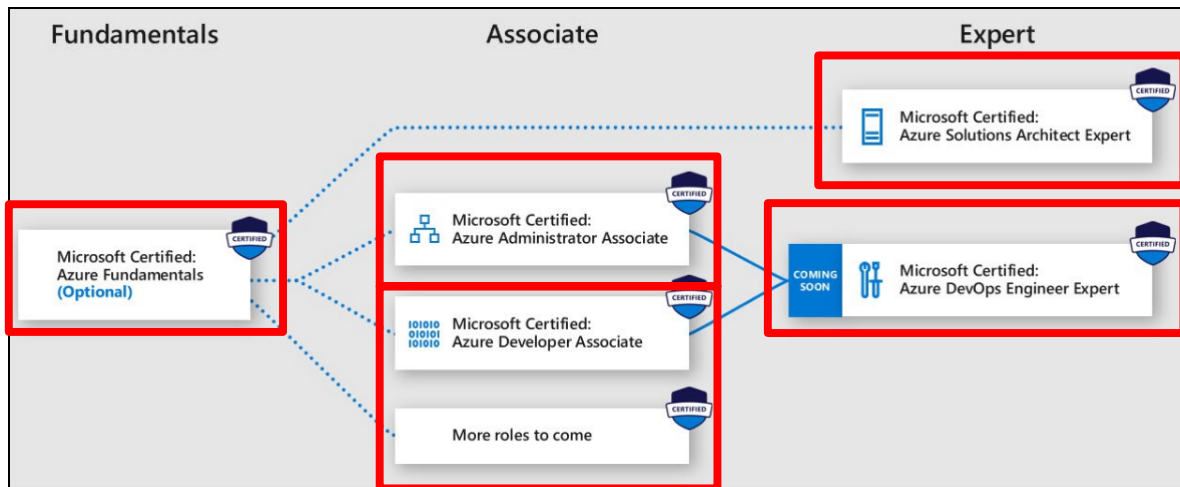
CompTIA Network+
General
ethernet/TCP/IP
networking



Azure Fundamentals
Foundational
Microsoft Azure
knowledge



Microsoft Azure Certifications



timw.info/rbc1



"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

The screenshot displays the Pluralsight Role IQ and Skill IQ interface for the role of Microsoft Azure Administrator. The interface is dark-themed with a sidebar on the left containing navigation icons. The main content area is divided into several sections:

- Header:** Includes a search bar and navigation links like Home, Browse, Paths, Channels, Bookmarks, and Q&A.
- Role Card:** Titled "Microsoft Azure Administrator" with a subtitle "Browse content for this role". It mentions "Created in partnership with Microsoft" and "Managing Microsoft Azure Identity and Security +5 more". A circular progress indicator shows "0% COMPLETE".
- Skills Section:** Titled "Skills" with the instruction "Measure yourself in all the required skills to find out your current level in this role". It lists "4 REQUIRED" skills and "2 OPTIONAL" skills, each with a progress bar.
- Skill IQ Assessment:** A section titled "Managing Microsoft Azure Identity and Security" with a sub-header "What's your Skill IQ?". It features a graph with three levels: Expert (20-300), Proficient (10-200), and Novice (0-100). A "Measure now" button is prominently displayed.

The footer contains links for Features, Authors, Mobile & offline apps, Blog, Help center, How-to videos, Terms of use, Privacy policy, Send feedback, and Get support.

Demo



2

<if there is time>

Demonstrate Pluralsight assessment questions

- Kaplan

Show how to register for Azure and CompTIA certification exams



Questions?



What's Next



Shifting Your
Paradigm



Sprinkle Some Azure
DevOps on It



Get Up to Speed with
Azure IaaS



Skills Development:
Theory and Practice



Get Up to Speed with
Azure PaaS



Skills Development:
Certification



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!



Tim Warner
AUTHOR EVANGELIST, PLURALSIGHT
@TechTrainerTim TechTrainerTim.com

