

# Tim Warner

- MCT since 1997
- MVP since 2017
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- Az Admin badge: timw.info/azadmin





# Day 1 of 2 Agenda

- Introduction
- Module 1: Manage Azure Subscriptions and Resources
- Module 2 Implement and Manage Storage
- Module 3: Deploy and Manage Virtual Machines
- Synthesis and look ahead to Day 2



# Day 2 of 2 Agenda

- Quick content review
- Module 4: Configure and Manage Virtual Networks
- Module 5: Manage Identities
- Module 6: Exam AZ-100 Exam Strategy



# A Different Kind of Training

- Let's avoid slide show fatigue
- We'll learn by doing at least 80 percent demo
- I'm here to answer your questions take advantage of this!





### AZ-103 2020 Changes

- Reference: <a href="https://timw.info/az2020">https://timw.info/az2020</a>
- Exam content reviewed every 2 months
- Certs reviewed every 1 year
- Beginning "on or around" March 31, 2020:
  - AZ-104 goes into beta testing
- AZ-103 will retire on or around June 30, 2020

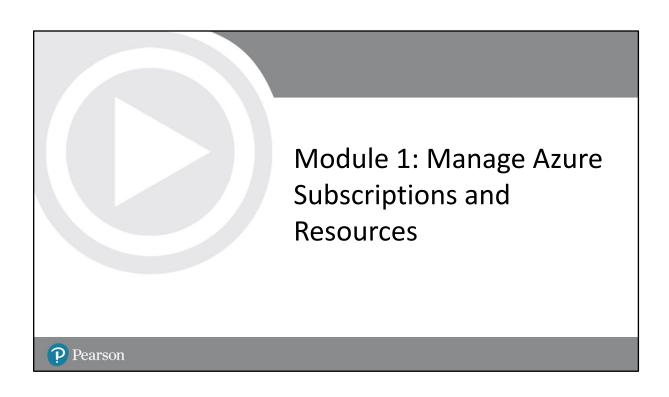


# AZ-103 2020 Changes

- Goal of the new exams is to reduce redundancy between certs
  - And re-align with JTA / job role
- Both AZ-103 and AZ-104 grant the same badge
- I advise you to stay on track with the AZ-103
- Beta exam periods are of variable length
- It will take content creators months to "catch up" to cover AZ-104



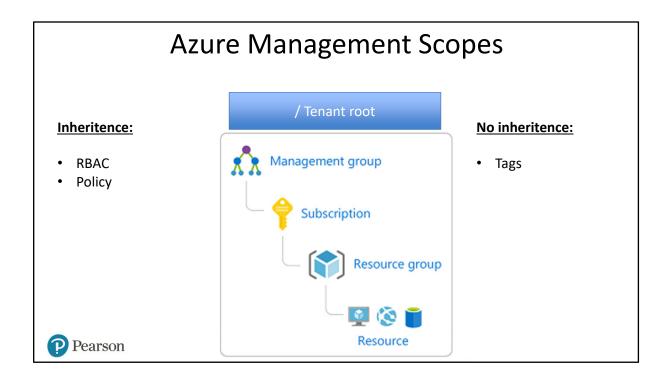




# Module 1 Learning Objectives

- Manage Azure subscriptions
- Analyze resource utilization and consumption
- Manage resource groups
- Manage Role Based Access Control (RBAC)

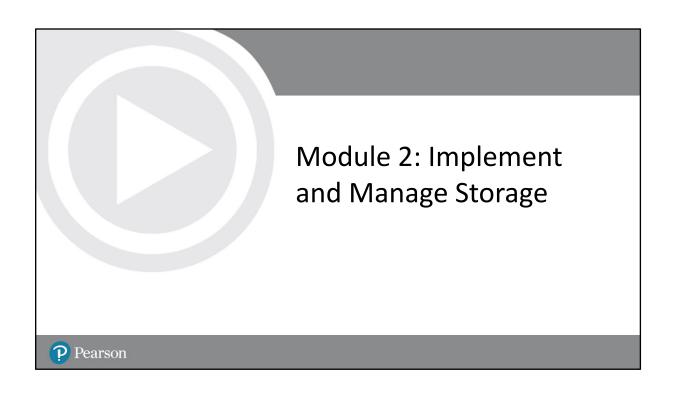




### Module 1 Demo

- Make user Contributor at the subscription scope
- Log into Azure portal as the new Contributor
- Create a deployment:
  - Resource group
  - Storage account
- Grant another user read access to the resource group
  - Verify by attempting to delete the storage account

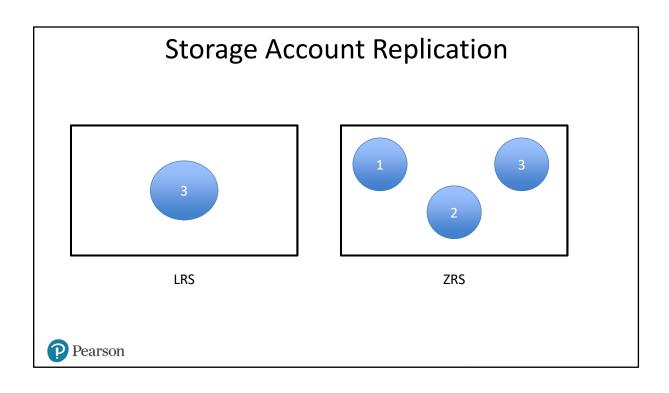


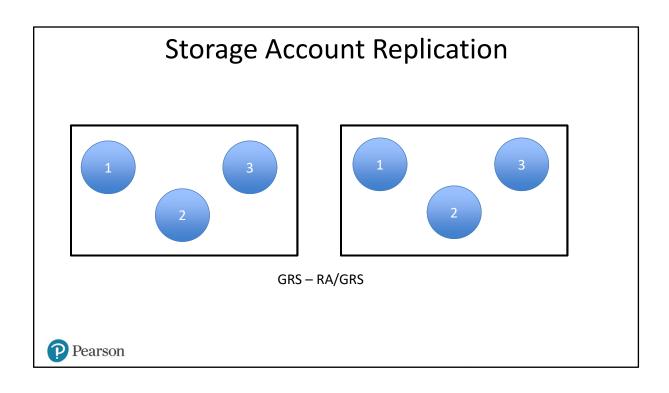


# Module 2 Learning Objectives

- Create and configure storage accounts
- Import and export data to Azure
- Configure Azure Files
- Implement Azure backup



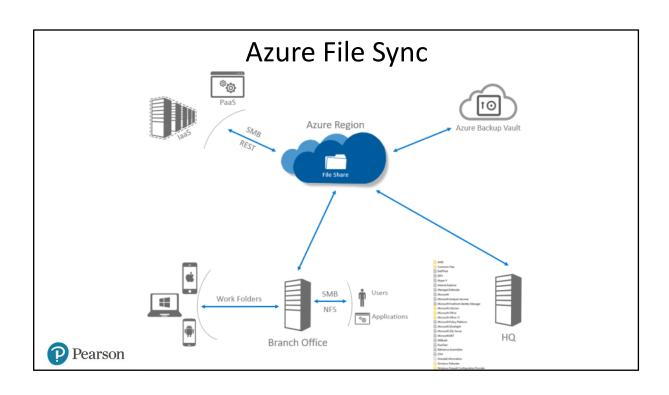


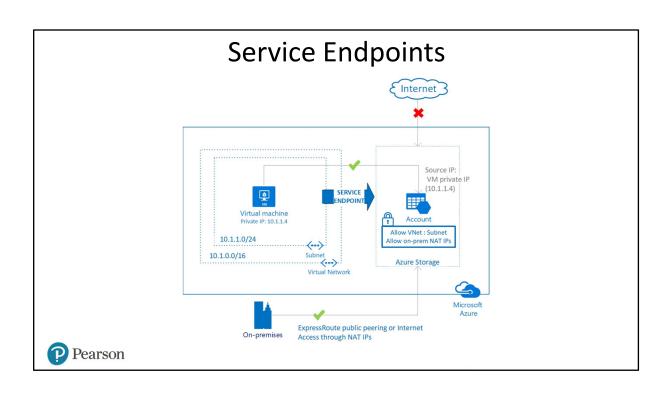


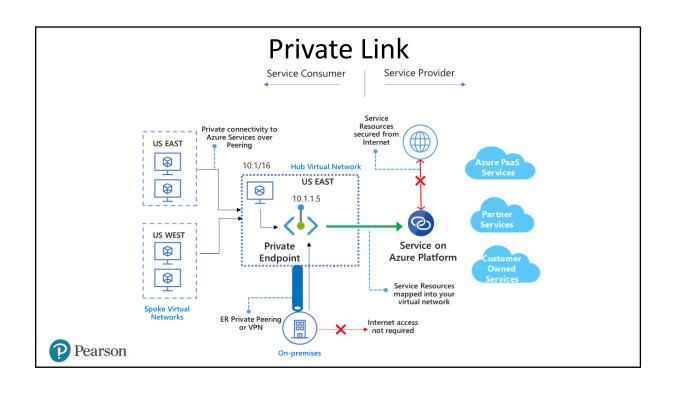
#### Shared Access Signature (SAS)

https://cloudstg704.blob.core.windows.net/test/profile.ps1?st=2020-0114T14%3A34%3A12Z&se=2020-0115T15%3A34%3A00Z&sp=rl&sv=20180328&sr=b&sig=6g7u%2BYUYJ%2BRGtYGmSeh%2Fd7rRGLT9%2FjqO1%2BGDdVDT30o%3D





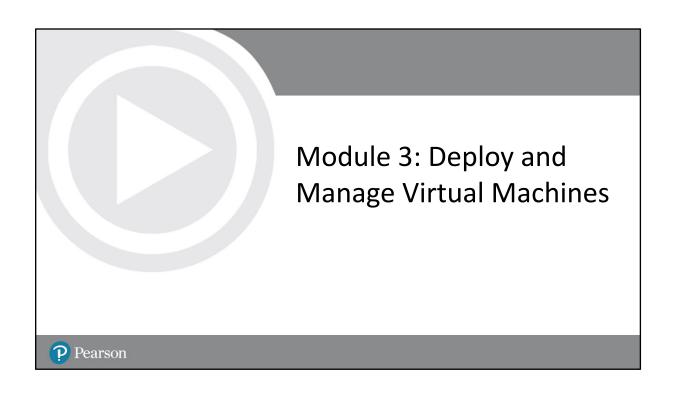




### Module 2 Demo

- Connect to storage account from Storage Explorer
  - Upload/download files
  - Create and used a shared access signature
- Connect Azure Cloud Shell
  - · Create cloud shell
  - View file share in shell and in Azure portal
- Configure VM backup
  - Create Recovery Services vault

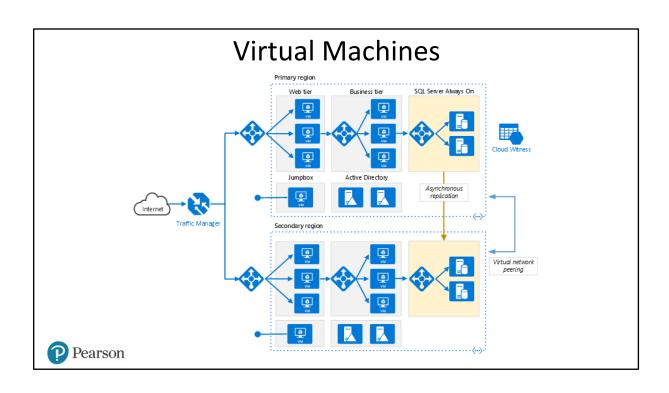




# Module 3 Learning Objectives

- Create and configure a VM for Windows and Linux
- Automate VM deployment
- Manage Azure VM configuration
- Manage Azure VM backups

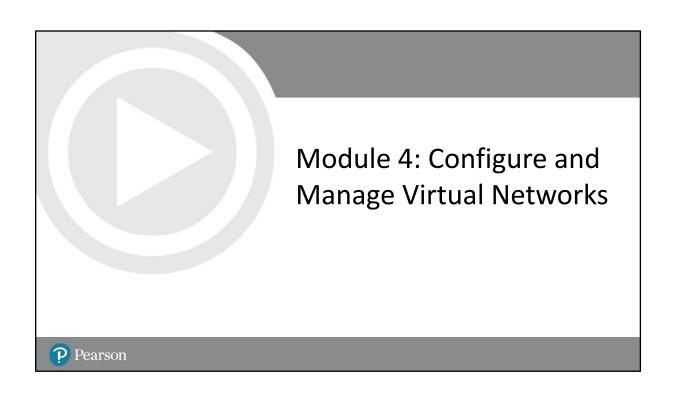




### Module 3 Demo

- Create a Linux VM with SSH authentication via Azure portal
  - Place on one VNet
- Create a Windows VM from an ARM template
  - Place on a second VNet
- Practice restores from previously backed-up VM
  - Full restore
  - File Recovery





# Module 4 Learning Objectives

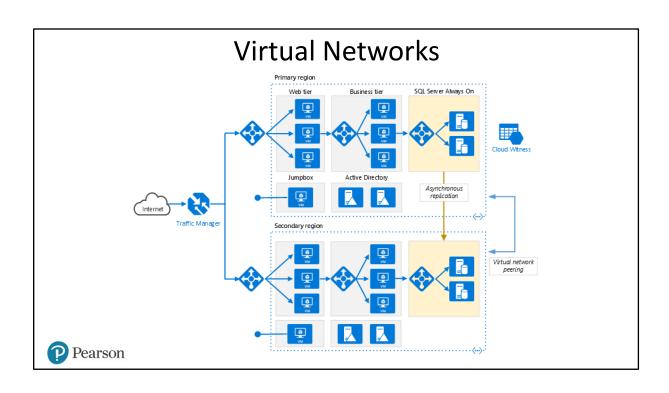
- Create connectivity between virtual networks
- Implement and manage virtual networking
- Configure name resolution
- Create and configure a Network Security Group (NSG)

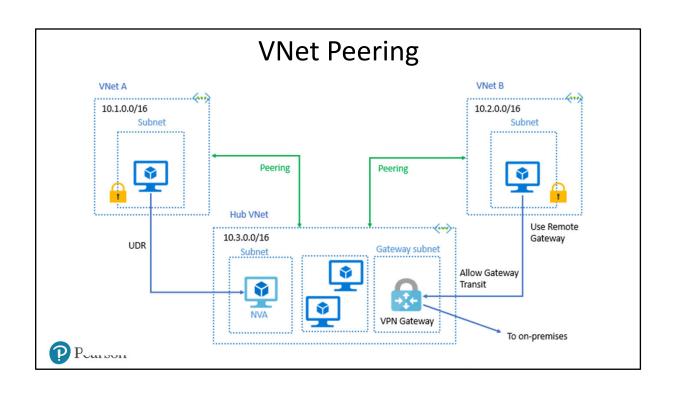


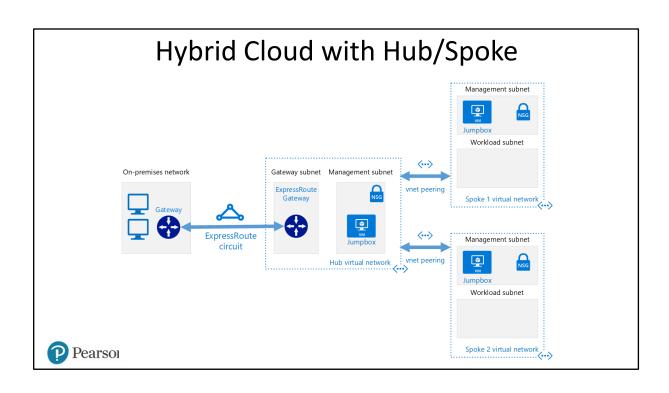
# Module 4 Learning Objectives (Cont'd)

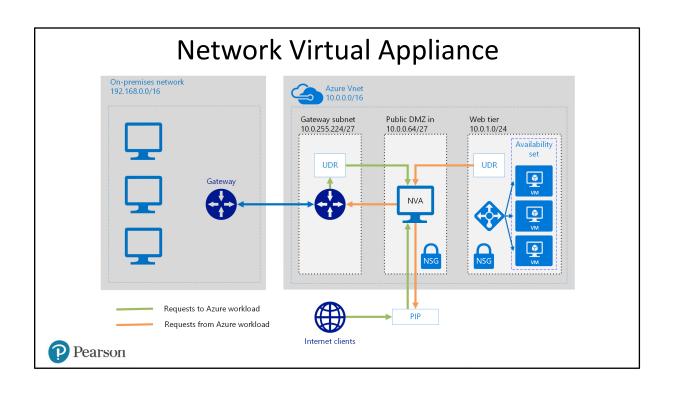
- Implement Azure load balancer
- Monitor and troubleshoot virtual networking
- Integrate on-premises network with Azure virtual network







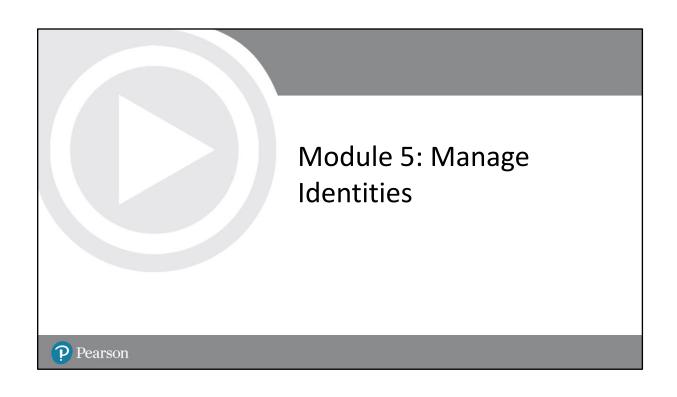




### Module 4 Demo

- Add a custom DNS server address
- Create a VNet peering between the two Vnets
- Use Network Watcher to test connectivity
  - Pay particular attention to NSGs
- Walk through S2S VPN configuration at a high level

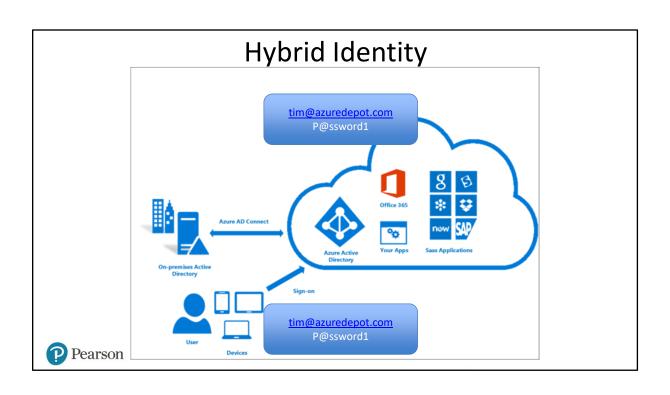


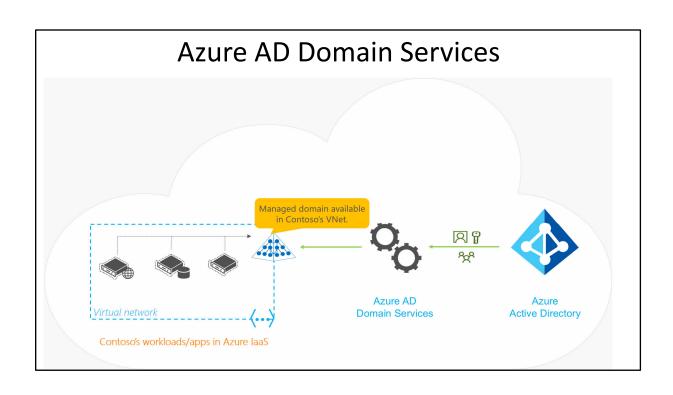


# Module 5 Learning Objectives

- Manage Azure Active Directory
- Manage Azure AD objects (users, groups, devices)
- Implement and manage hybrid identities
- Implement multi-factor authentication (MFA)



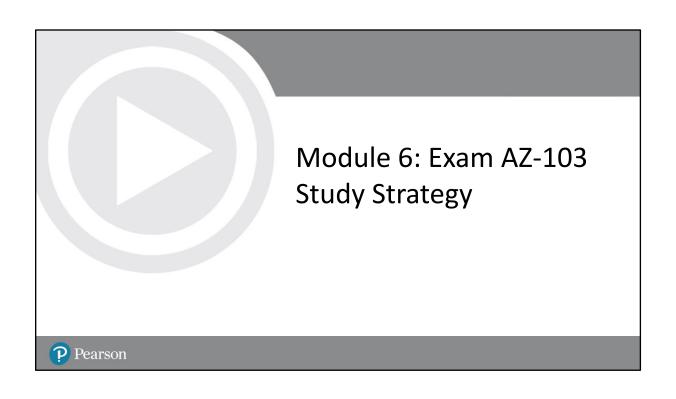




### Module 5 Demo

- Create an MFA Users group
- Create MFA conditional access policy
  - Based on Azure AD group membership
- Create an Azure AD user
  - Grant RBAC at resource group level
- Test access
  - MFA registration
  - Resource access





# Module 6 Learning Objectives

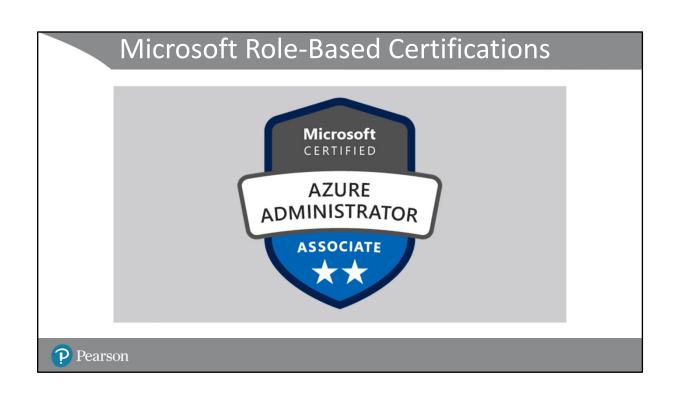
- Master the concepts
- Master the hands-on skills
- Master test-taking skills
- Know what to expect before, during, and after the exam

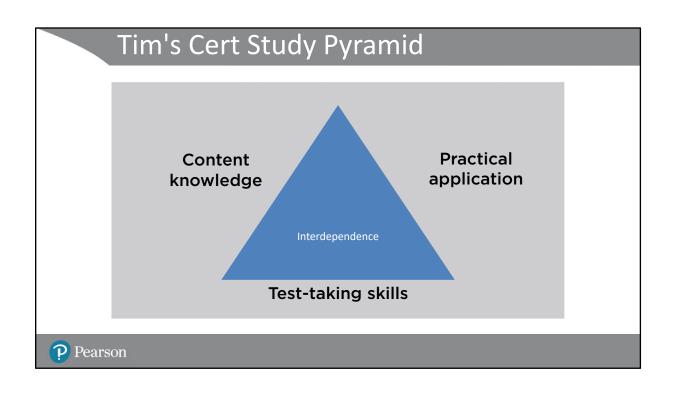


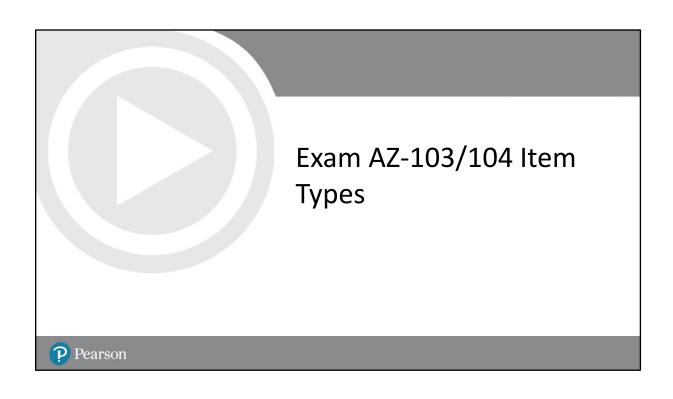
### Module 6 Demo

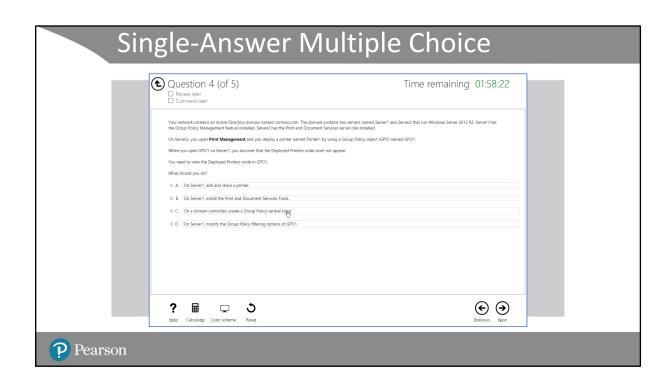
- Tour relevant websites:
  - Exam page(s) with registration workflow
  - Mindhub offers
  - MeasureUp.com
- Work through practice items
- Show MCP dashboard

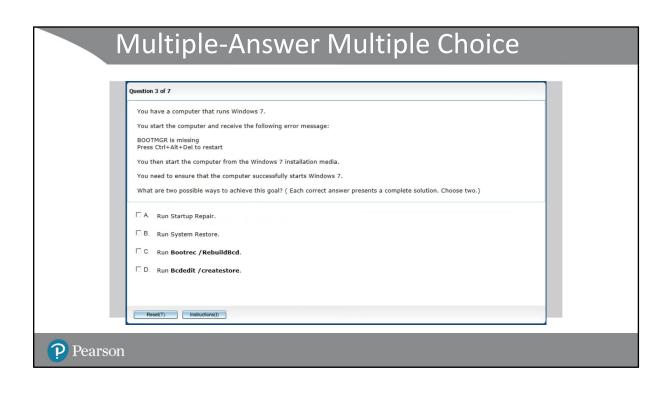












# Repeated Scenario

You need to move an Azure VM to another hardware host.

Solution: You redeploy the VM.

Does this solution meet the goal?

- a. Yes
- b. No



# Repeated Scenario

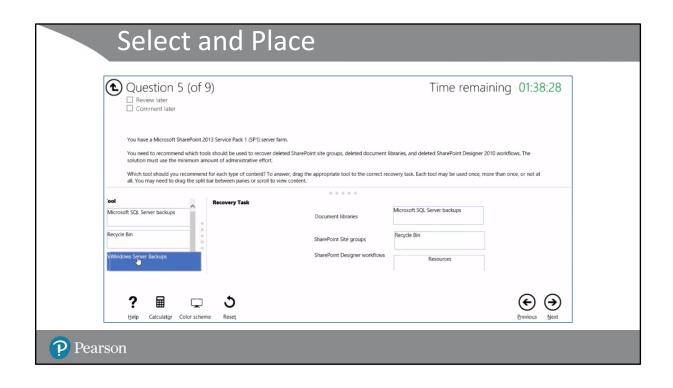
You need to move an Azure VM to another hardware host.

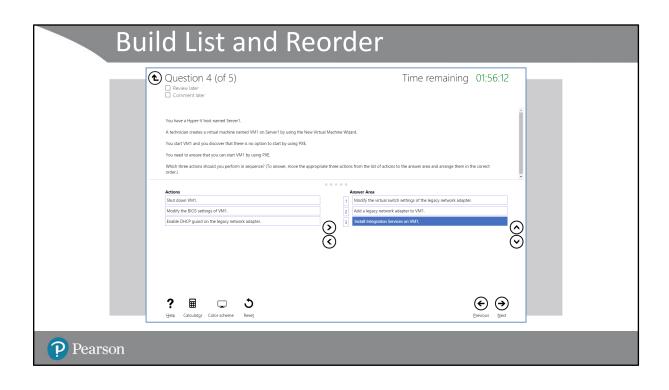
Solution: You restart the VM.

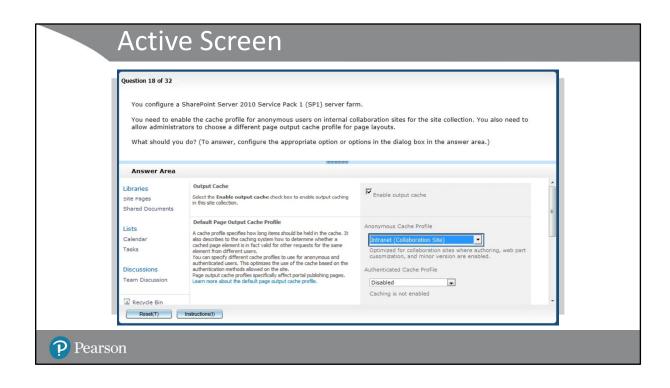
Does this solution meet the goal?

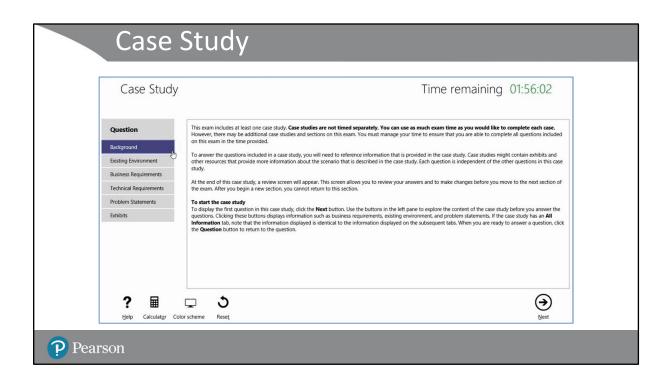
- a. Yes
- b. No



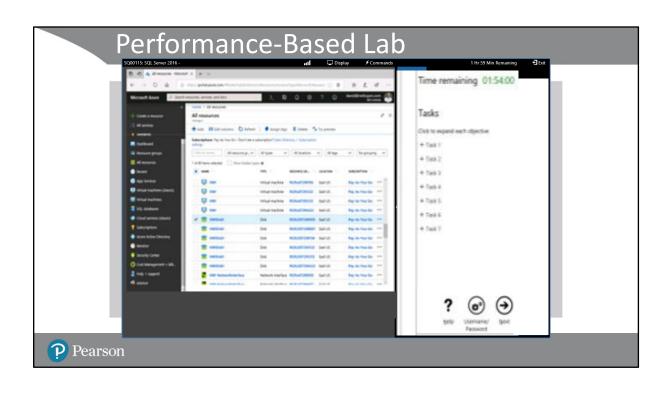








### Statement / Code Analysis private void btnEquals\_Click(object sender, EventArgs e) if (plusButtonClicked == true) total2 = total1 + double.Parse(txtDisplay.Text); else if (minusButtonClicked == true) total2 = total1 - double.Parse(txtDisplay.Text); txtDisplay.Text = total2.ToString(); totall = 0; } Blah blah blah. ○ Yes ○ No Another statement. O Yes ○ No P Pearson



# Thank You! Course materials: timw.info/az103 Twitter: @TechTrainerTim Website: TechTrainerTim.com Pearson