Файл Правка Вид Переход Закладки Справка

Practical Task 6: Set Up a Scalable Web Server with VM, Storage, and Networking

Requirements:

· Create a Resource Group

. Use Azure CLI to create a resource group named WebServerGroup in the East US region.

. Deploy a Virtual Network (VNet) and Subnet

- . Use Azure CLI to create a virtual network named WebVNet in WebServerGroup.
- · Add a subnet named WebSubnet.

· Create a Storage Account for Logs

- Use Azure PowerShell to create a storage account named webserverlogs in WebServerGroup.
- . Enable blob storage and set up a container named logs for storing application logs.

· Deploy a Virtual Machine as a Web Server

- . Use Azure CLI to create a virtual machine named WebVM in WebServerGroup.
- · Configure WebVM to use the WebVNet and WebSubnet.
- . Open port 80 on the VM for web traffic.

• Install and Configure Nginx on the VM

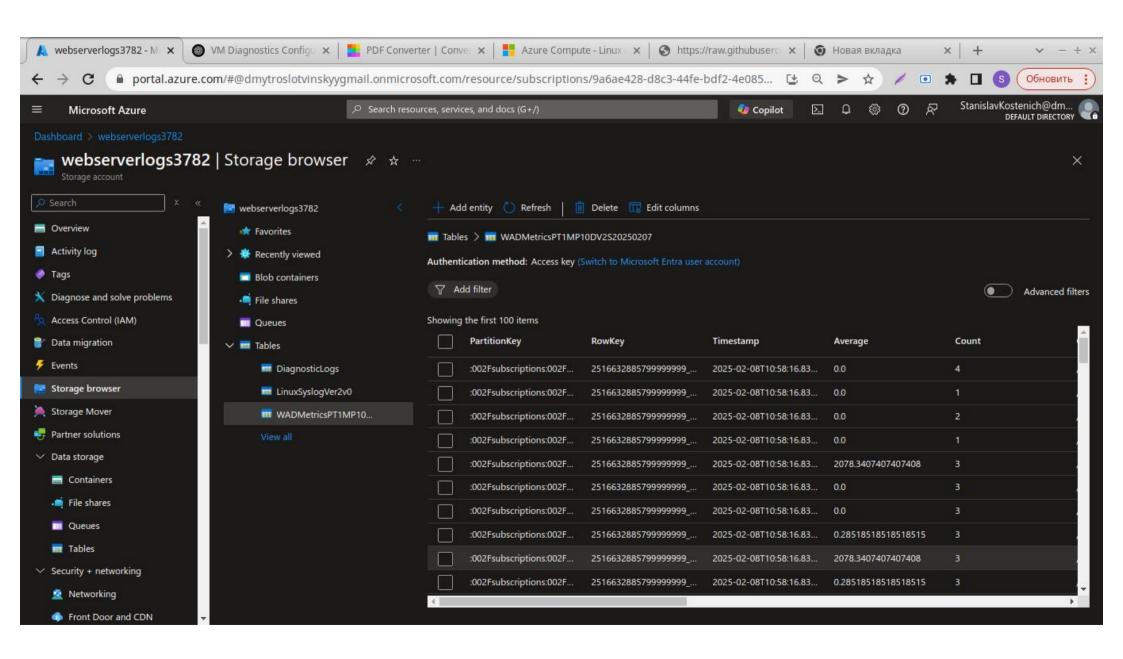
 Use Azure CLI to execute a script on WebVM that installs and configures Nginx as a web server.

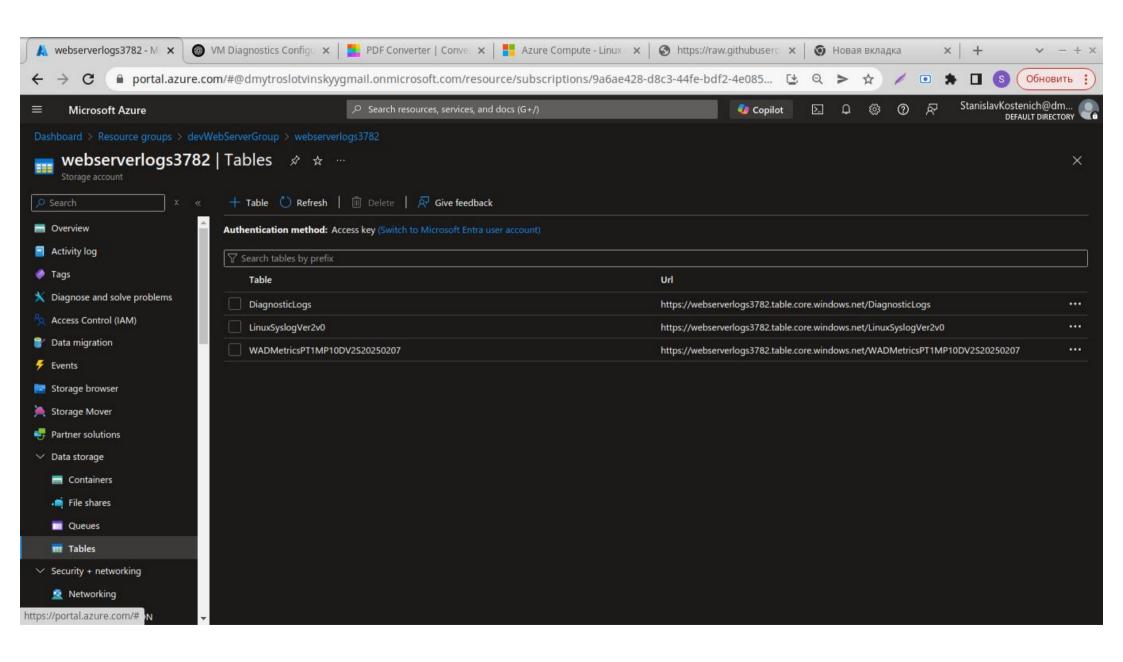
• Enable Diagnostics and Store Logs in Storage Account

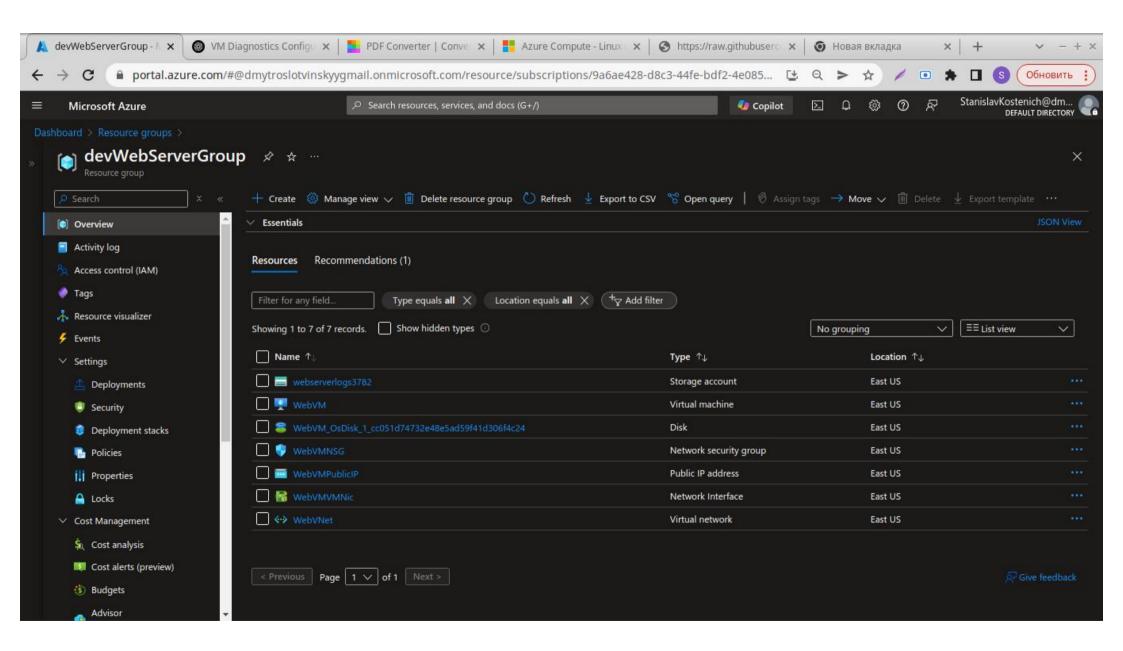
 Use Azure PowerShell to enable diagnostics on WebVM, directing logs to webserverlogs storage account.

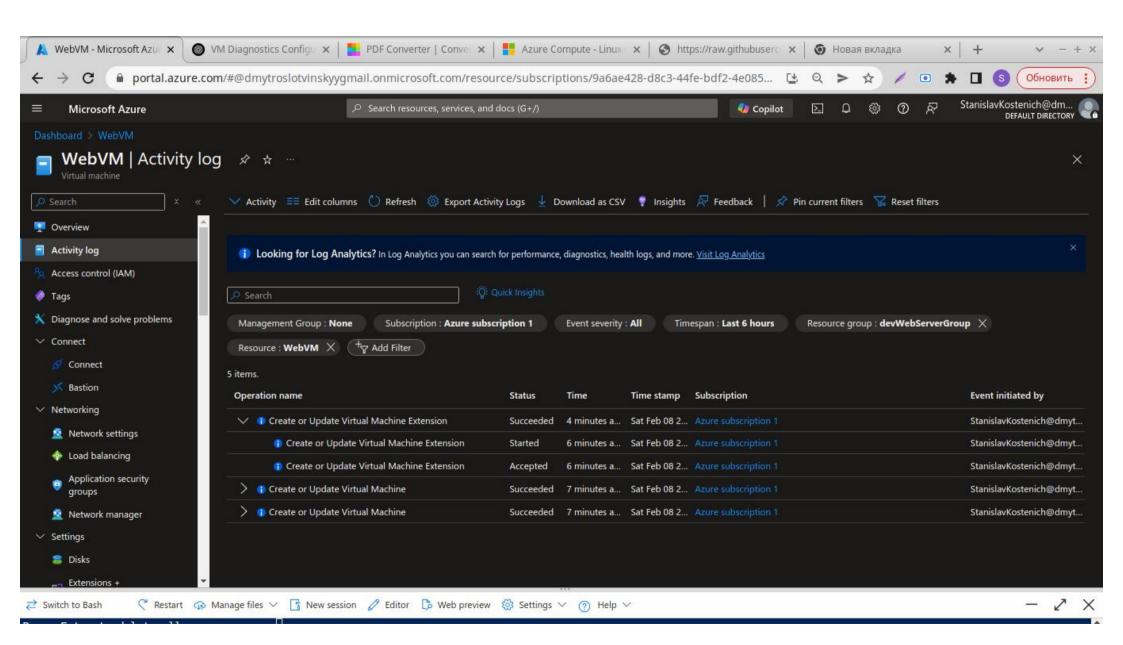
· Verify the Web Server is Running

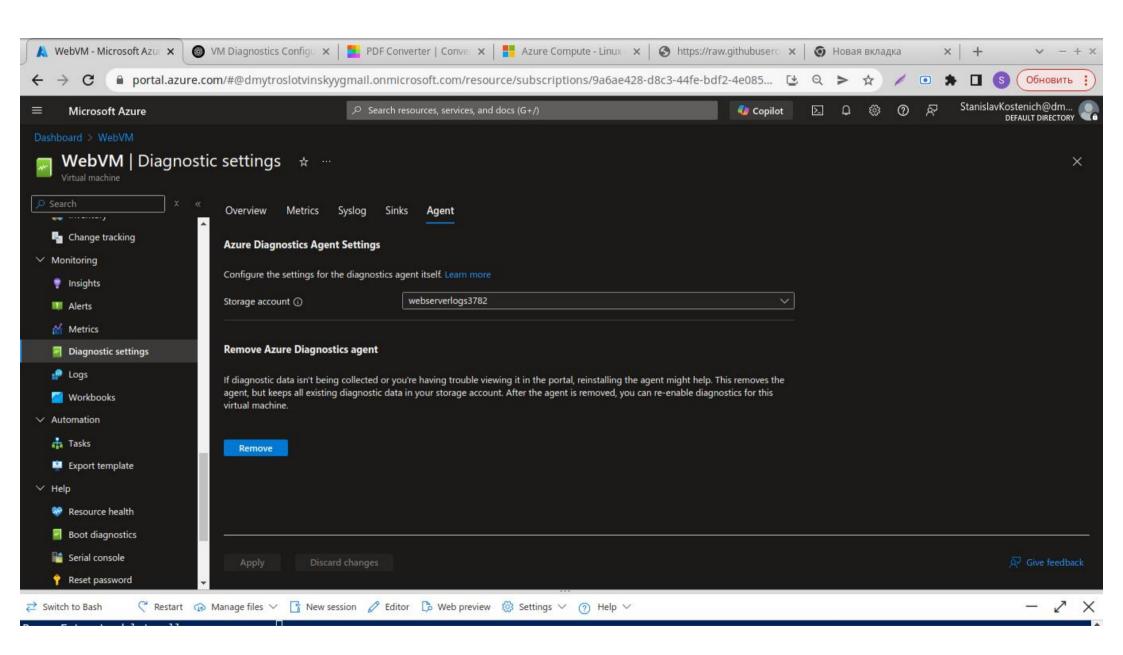
Retrieve the public IP of WebVM using Azure CLI.

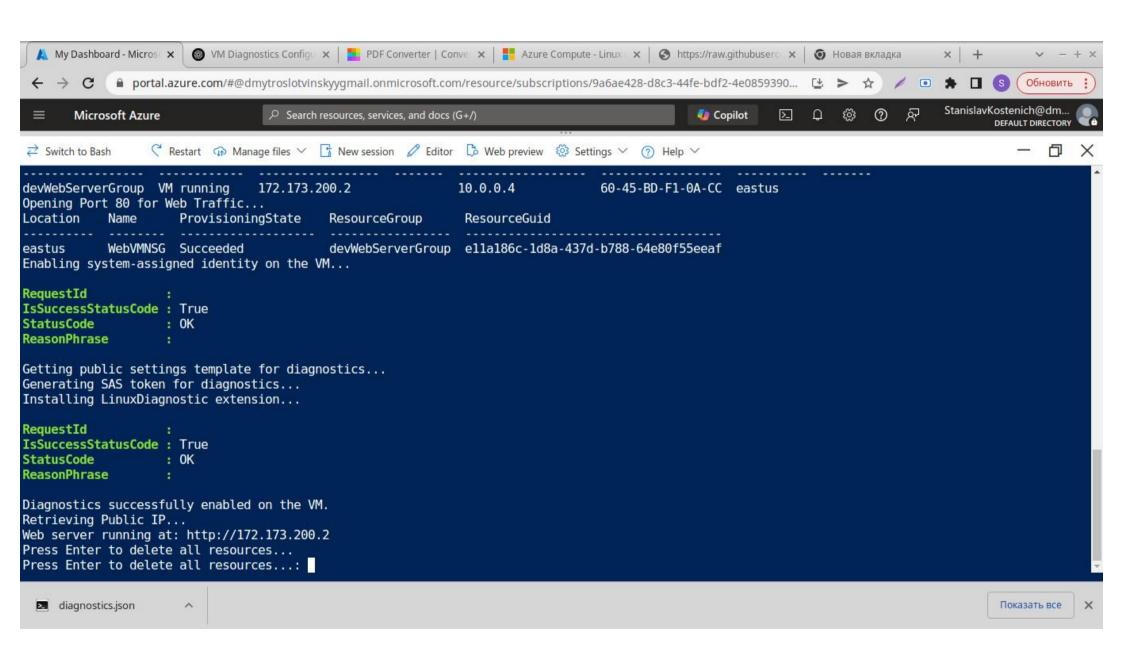


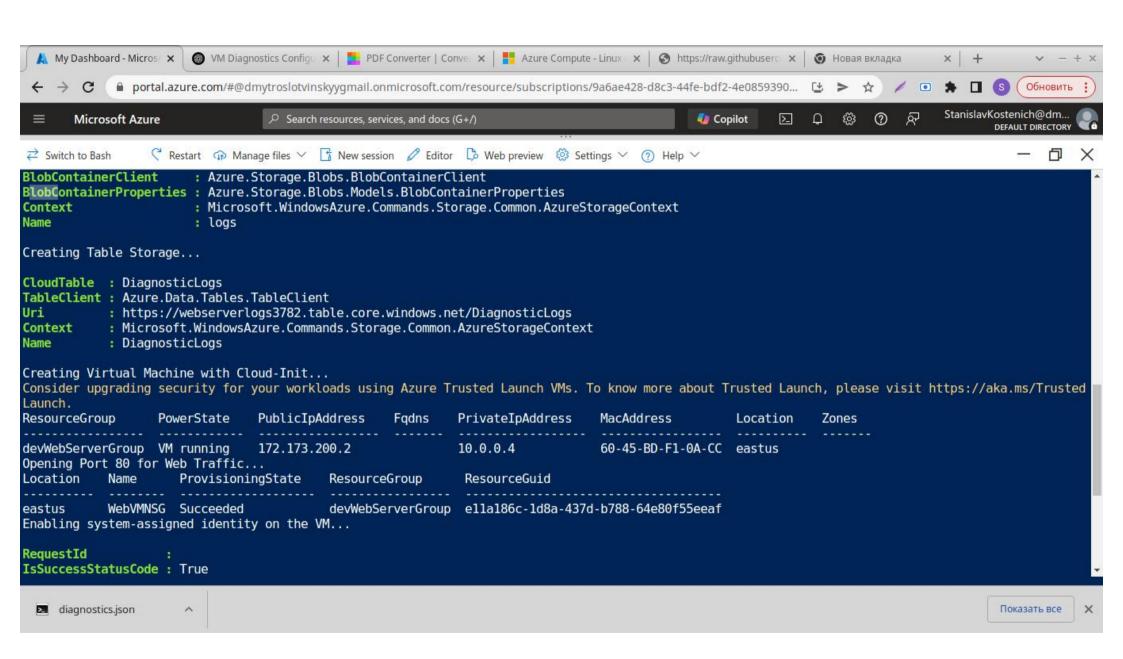


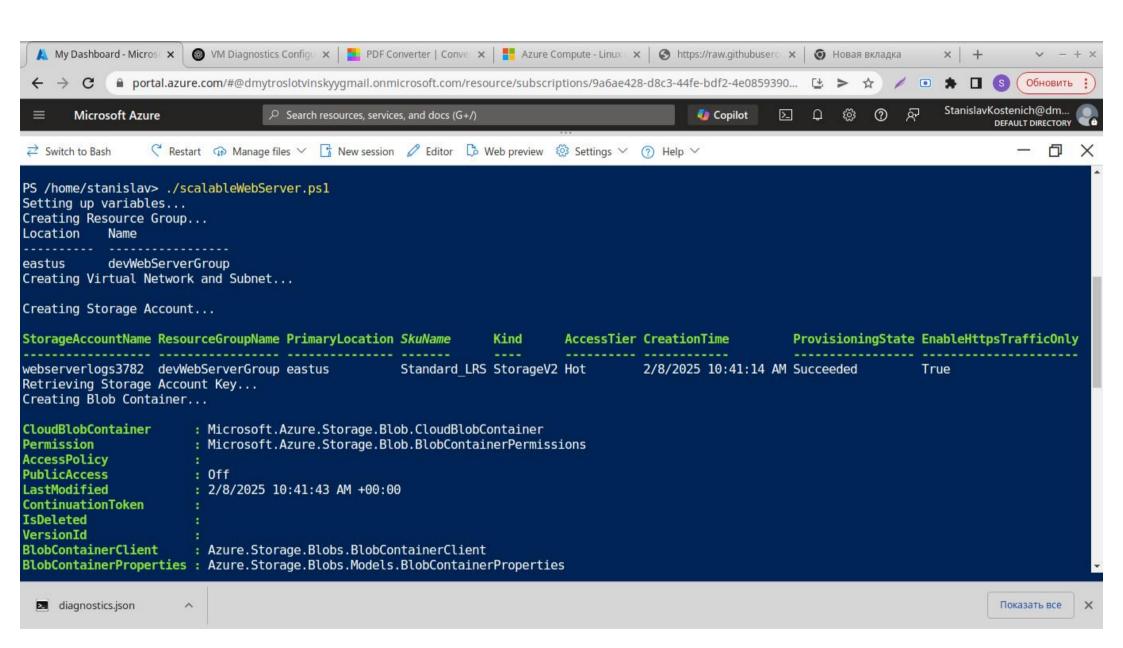












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~/MEGAsync Downloads/azuredevops/06/scalableWebServer.ps1 - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
      // I have background in x java guest x // Running Azure CLI in Docker scalableWebServer.ps1 x
41
 55
     az vm open-port --port 80 --resource-group $resourceGroup --name $vmName --output table
     echo "Enabling system-assigned identity on the VM..."
 57
     $vm = Get-AzVM -Name $vmName -ResourceGroupName $resourceGroup
     Update-AzVM -ResourceGroupName $resourceGroup -VM $vm -IdentityType SystemAssigned
     echo "Getting public settings template for diagnostics..."
     $publicSettings = (Invoke-WebRequest -Uri "https://raw.githubusercontent.com/Azure/azure-linux-extensions/master/Diag
     $publicSettings = $publicSettings.Replace(' DIAGNOSTIC STORAGE ACCOUNT ', $storageAccountName)
     $publicSettings = $publicSettings.Replace(' VM RESOURCE ID ', $vm.Id)
 65
     echo "Generating SAS token for diagnostics..."
     $sasToken = New-AzStorageAccountSASToken -Service Blob, Table -ResourceType Service, Container, Object -Permission "racw
     $protectedSettings = "{'storageAccountName': '$storageAccountName', 'storageAccountSasToken': '$sasToken'}"
 71
     echo "Installing LinuxDiagnostic extension..."
     Set-AzVMExtension - ResourceGroupName $resourceGroup - VMName $vmName - Location $vm.Location - ExtensionType LinuxDiagno
 73
 74
 75
     echo "Diagnostics successfully enabled on the VM."
 76
     echo "Retrieving Public IP..."
 77
     $publicIp = az vm list-ip-addresses --resource-group $resourceGroup --name $vmName --query "[0].virtualMachine.networ
     echo "Web server running at: http://$publicIp"
     echo "Press Enter to delete all resources..."
     Read-Host "Press Enter to delete all resources..."
 83
   Aa "" <= □ StorageAccount
                                                                                                                          Find Prev
                                                                                                                                      Find All
                                                                                                                 Find
   19 matches
                                                                                                                     Tab Size: 4
                                                                                                                              Bourne Again Shell (bash)
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