

1. Created scale set vm with windows os.

The screenshot shows the Microsoft Azure portal interface for a Virtual Machine Scale Set named 'testscale'. The left sidebar contains navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Instances, Networking, Scaling, Disks, Operating system, Security, and Size. The main content area displays the 'Overview' tab for the 'testscale' scale set. Key details include: Resource group (change) 'testscale', Status '1 out of 1 succeeded', Location 'East US', Subscription ID 'c853ad4a-1ff9-4091-90b0-bef26fc8688f', Fault domains '1', Colocation status 'N/A', and Tags 'ub1 : 123, ub2 : 123'. On the right, additional properties are listed: Public IP address, Public IP address (IPv6), Virtual network/subnet 'testscale-vnet/default', Operating system 'Windows', Size 'Standard_D2s_v3 (1 instance)', Ephemeral OS disk 'Not applicable', Autoscaling 'Off', and Azure Spot 'N/A'.

2. Write a scale out rule using CPU percentage of 70% threshold

The screenshot shows the Microsoft Azure portal interface for the 'testscale' Virtual Machine Scale Set, specifically the 'Scaling' tab. The left sidebar is the same as in the first screenshot. The main content area displays the 'Scaling' configuration. Under 'Scale mode', 'Scale based on a metric' is selected. Under 'Rules', a single rule is configured: 'Scale out' with 'When' set to 'testscale' and 'Metric' set to '(Average) Percentage CPU = 70'. The 'Increase count by' is set to '1'. Below the rule, 'Instance limits' are defined: Minimum '1', Maximum '2', and Default '1'. A note states: 'This scale condition is executed when none of the other scale condition(s) match'. The bottom of the page shows the Windows taskbar with the time 08:06 and date 16-08-2020.

3. Write a scale in rule using CPU percentage of 40% threshold

The screenshot shows the Azure portal interface for a Virtual Machine scale set named 'testscale'. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Instances, Networking, Scaling (selected), Disks, Operating system, Security, and Size. The main content area displays the 'testscale' scale set configuration. Under 'Scale mode', 'Scale based on a metric' is selected. The 'Rules' section shows two rules: 'Scale out' triggered when '(Average) Percentage CPU = 70' (Increase count by 1) and 'Scale in' triggered when '(Average) Percentage CPU > 40' (Decrease count by 1). The 'Instance limits' section shows Minimum: 1, Maximum: 2, and Default: 1. The 'Schedule' section indicates that the scale condition is executed when none of the other scale condition(s) match.

4. Create an storage account and containers with anonyms access , create a static website in the storage account

The screenshot shows the Azure portal interface for a Storage account named 'bhargavistorage'. The left sidebar contains navigation options like Overview (selected), Activity log, Access control (IAM), Tags, Diagnose and solve problems, Data transfer, Events, Storage Explorer (preview), Settings, Access keys, Geo-replication, CORS, and Configuration. The main content area displays the 'bhargavistorage' storage account overview. Key details include: Resource group: 'teststorage', Status: 'Primary: Available, Secondary: Available', Location: 'West US 2, West Central US', Subscription ID: 'c853ad4a-1ff9-4091-90b0-bef26fc8688f', Tags: 'ub1 : 123', Performance/Access tier: 'Standard/Hot', Replication: 'Read-access geo-redundant storage (RA-GRS)', and Account kind: 'StorageV2 (general purpose v2)'.

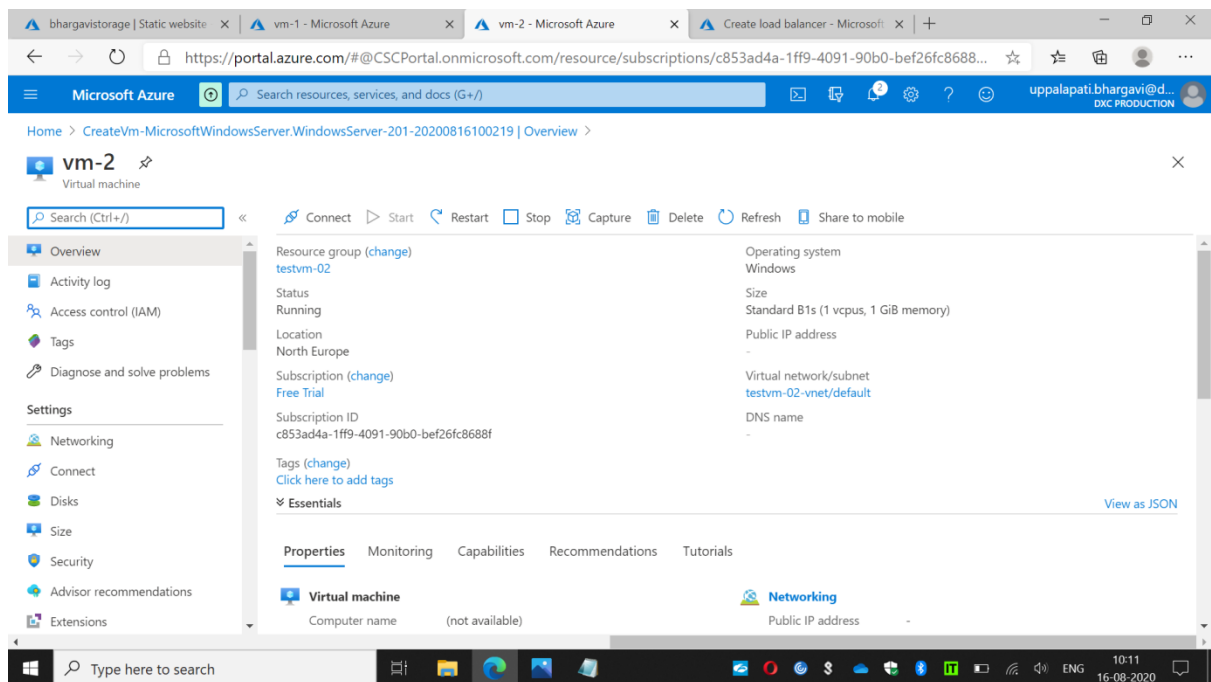
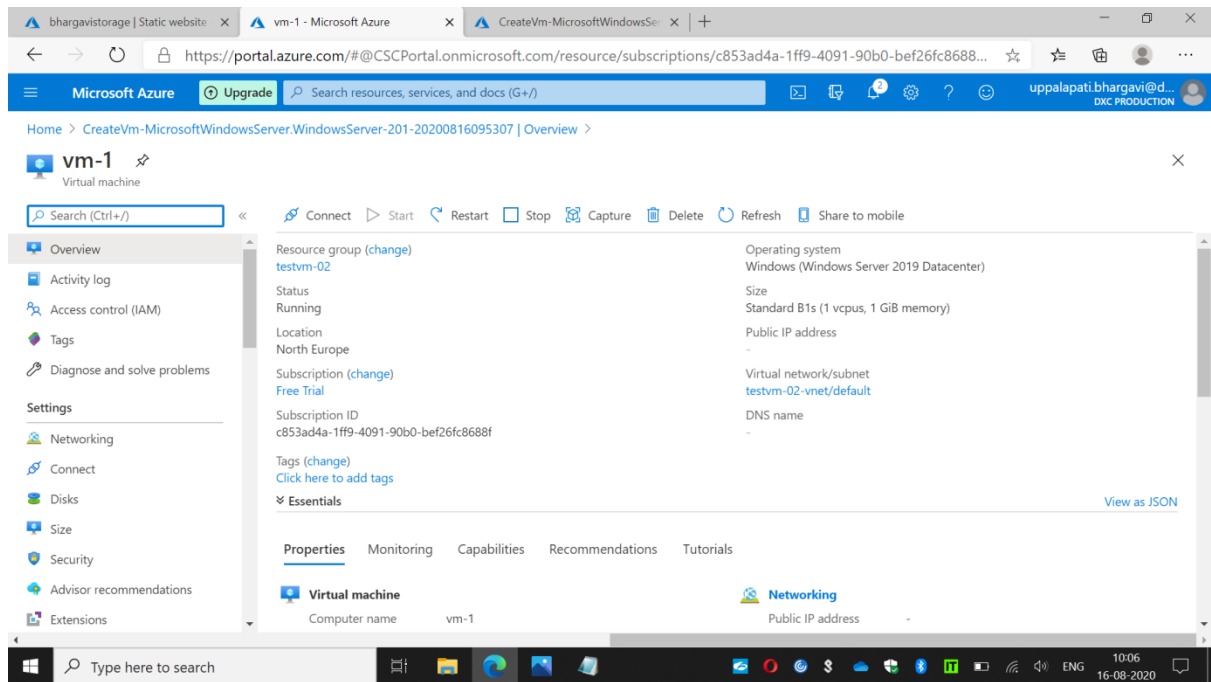
Created a storage account

Microsoft Azure portal showing the 'Containers' page for the storage account 'bhargavistorage'. The page displays a table with one container named 'file1', created on 8/16/2020 at 9:22:57 AM, with a public access level of 'Blob' and a lease state of 'Available'.

Name	Last modified	Public access level	Lease state
file1	8/16/2020, 9:22:57 AM	Blob	Available

Microsoft Azure portal showing the 'Static website' page for the storage account 'bhargavistorage'. The 'Static website' feature is enabled. The primary endpoint is <https://bhargavistorage.z5.web.core.windows.net/> and the secondary endpoint is <https://bhargavistorage-secondary.z5.web.core.windows.net/>.

5. Create an two virtual machines with no public ip's



6. Attach the machines to the load balancer and block the 3389 port use 50010

Microsoft Azure portal interface showing the configuration of a Load Balancer. The browser tabs include "bhargavstorage | Static website", "vm-1 - Microsoft Azure", "vm-2 - Microsoft Azure", and "loadbalancer - Microsoft Azure". The URL is <https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688f...>. The user is logged in as "uppalapati.bhargavi@d...".

The page title is "loadbalancer" with a sub-header "Load balancer". The left sidebar shows the navigation menu with "Overview" selected. The main content area displays the configuration details for the Load Balancer:

- Resource group (change): testvm-02
- Location: North Europe
- Subscription (change): Free Trial
- Subscription ID: c853ad4a-1ff9-4091-90b0-bef26fc8688f
- SKU: Standard
- Tags (change): Click here to add tags
- Backend pool: loadbalancer (2 virtual machines)
- Health probe: loadbalancer1 (Tcp:80)
- Load balancing rule: loadbalancer2 (Tcp/80 to Tcp/50010)
- NAT rules: 1 inbound
- Public IP address: 20.54.104.166 (ubhargavi1999)

Below the configuration details, there is a section titled "Configure high availability and scalability for your applications" with a description: "Create highly-available and scalable applications in minutes by using built-in load balancing for cloud services and virtual machines. Azure Load Balancer supports TCP/UDP-based protocols and protocols used for real-time voice and video messaging applications. [Learn more](#)".

The bottom of the page shows the Windows taskbar with the search bar and various application icons. The system clock indicates 10:26 on 16-08-2020.

Microsoft Azure portal interface showing the configuration of a Virtual Machine (VM). The browser tabs include "bhargavstorage | Static website", "vm-1 - Microsoft Azure", "vm-2 - Microsoft Azure", and "loadbalancer - Microsoft Azure". The URL is <https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688f...>. The user is logged in as "uppalapati.bhargavi@d...".

The page title is "vm-1" with a sub-header "Virtual machine". The left sidebar shows the navigation menu with "Overview" selected. The main content area displays the configuration details for the Virtual Machine:

- Resource group (change): testvm-02
- Status: Running
- Location: North Europe
- Subscription (change): Free Trial
- Subscription ID: c853ad4a-1ff9-4091-90b0-bef26fc8688f
- Tags (change): Click here to add tags
- Operating system: Windows (Windows Server 2019 Datacenter)
- Size: Standard B1s (1 vcpu, 1 GiB memory)
- Public IP address: 20.54.104.166
- Virtual network/subnet: testvm-02-vnet/default
- DNS name: Configure

Below the configuration details, there is a section titled "Properties" with tabs for "Properties", "Monitoring", "Capabilities", "Recommendations", and "Tutorials". The "Properties" tab is active, showing the "Virtual machine" section with the computer name "vm-1" and the "Networking" section with the public IP address.

The bottom of the page shows the Windows taskbar with the search bar and various application icons. The system clock indicates 10:37 on 16-08-2020.

Microsoft Azure portal interface showing the details of a virtual machine named **vm-2**.

Navigation Bar: Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20200816100219 | Overview >

Virtual machine details:

- Resource group:** [testvm-02](#)
- Status:** Running
- Location:** North Europe
- Subscription:** [Free Trial](#)
- Subscription ID:** c853ad4a-1ff9-4091-90b0-bef26fc8688f
- Tags:** [Click here to add tags](#)
- Operating system:** Windows (Windows Server 2019 Datacenter)
- Size:** Standard B1s (1 vcpu, 1 GiB memory)
- Public IP address:** 20.54.104.166
- Virtual network/subnet:** [testvm-02-vnet/default](#)
- DNS name:** [Configure](#)

Essentials: [View as JSON](#)

Properties: Monitoring Capabilities Recommendations Tutorials

Virtual machine details table:

Virtual machine	Networking
Computer name: vm-2	Public IP address: -

Taskbar: Type here to search | 10:37 16-08-2020