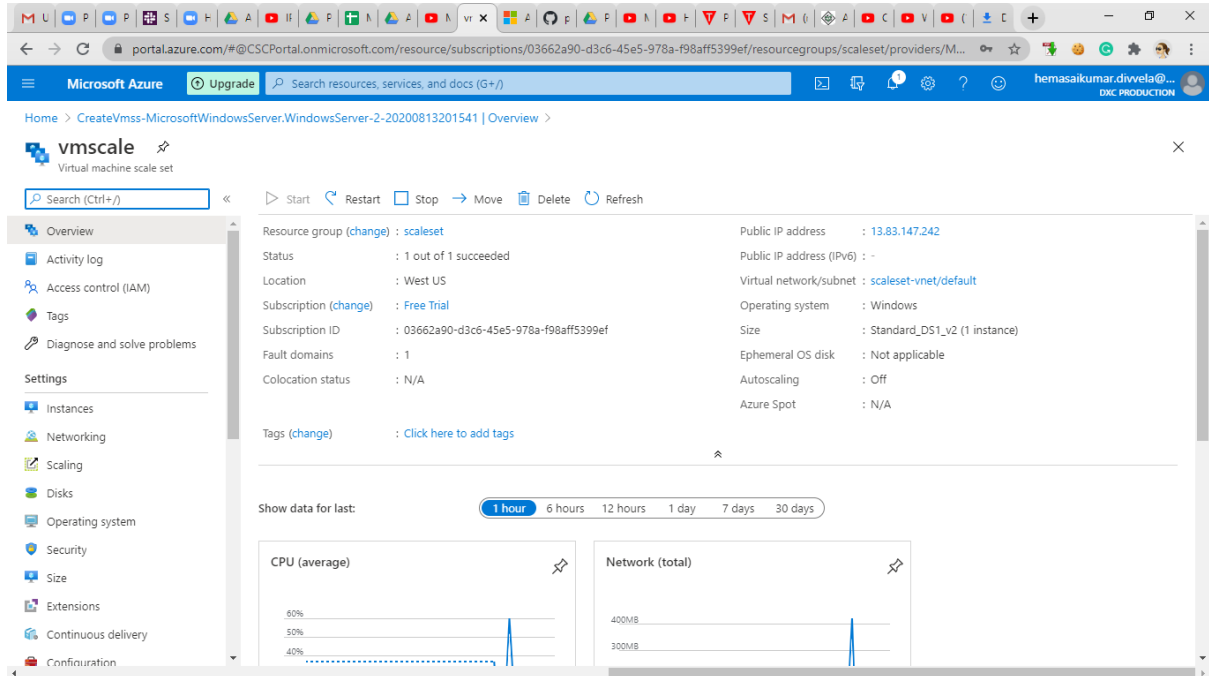


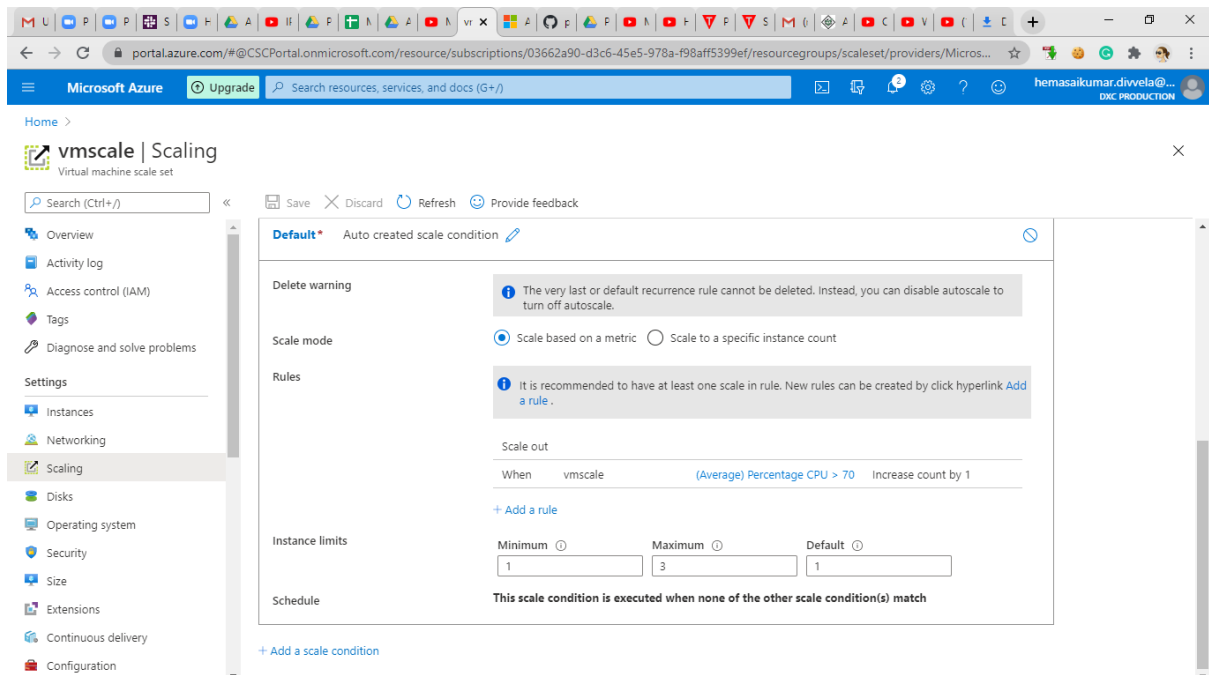
Assignment-2

1. Creating a scale set with windows OS:



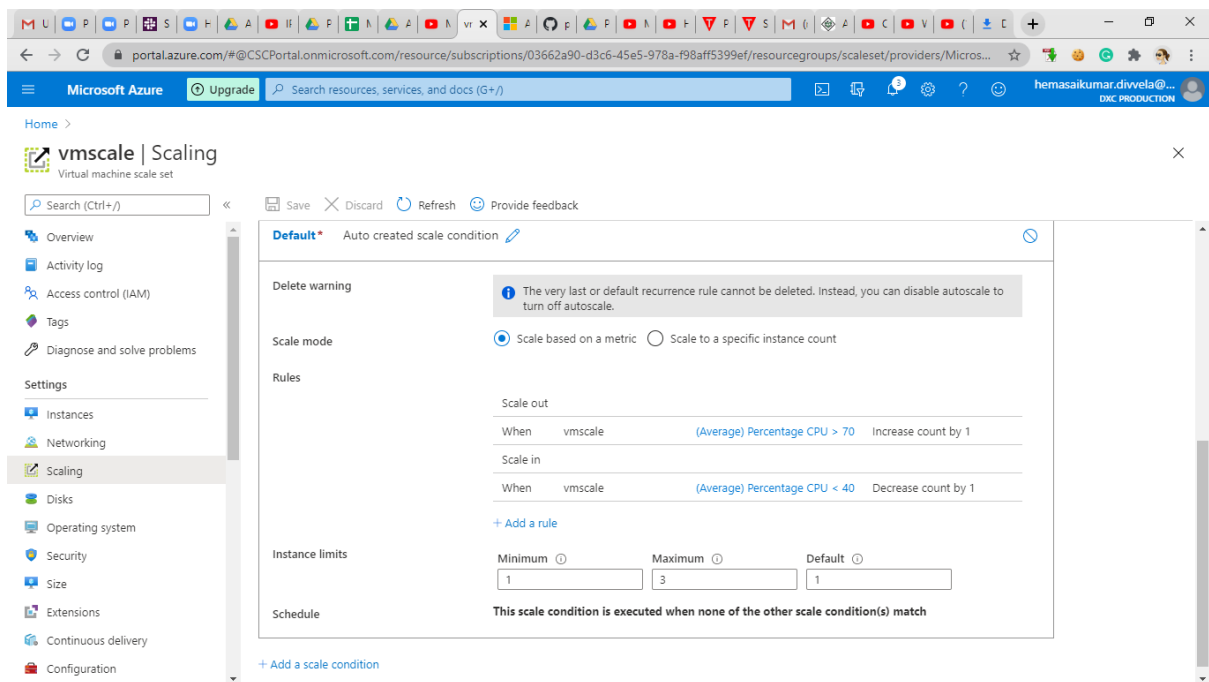
The screenshot shows the Azure portal interface for a Virtual Machine Scale Set (VMSS) named 'vmscale'. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Instances, Networking, Scaling, Disks, Operating system, Security, Size, Extensions, Continuous delivery, and Configuration. The main content area displays the 'Overview' tab for the VMSS. It shows the Resource group as 'scaleset', Status as '1 out of 1 succeeded', Location as 'West US', Subscription as 'Free Trial', Subscription ID as '03662a90-d3c6-45e5-978a-f98aff5399ef', Fault domains as '1', and Colocation status as 'N/A'. It also lists the Public IP address as '13.83.147.242', Virtual network/subnet as 'scaleset-vnet/default', Operating system as 'Windows', Size as 'Standard_DS1_v2 (1 instance)', Ephemeral OS disk as 'Not applicable', Autoscaling as 'Off', and Azure Spot as 'N/A'. Below this, there are two line charts: 'CPU (average)' and 'Network (total)', both showing data for the last 1 hour.

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



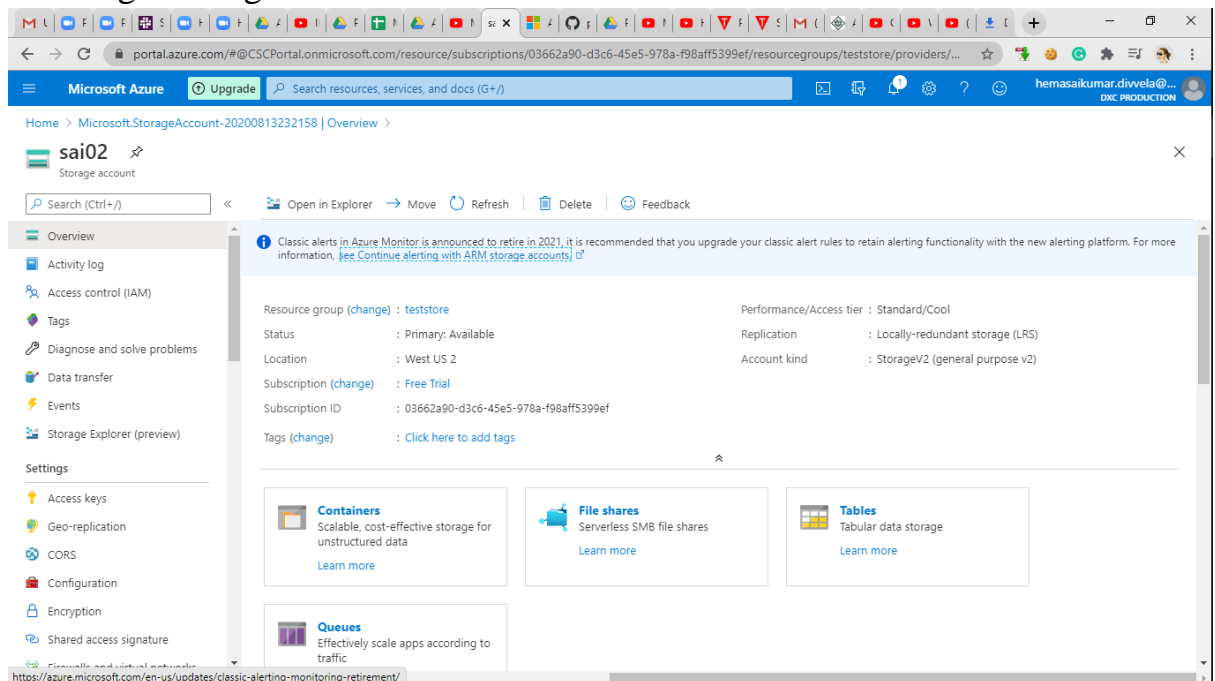
The screenshot shows the Azure portal interface for the scaling configuration of the Virtual Machine Scale Set (VMSS) named 'vmscale'. The left sidebar is the same as in the previous screenshot. The main content area displays the 'Scaling' tab. It shows the 'Default' scale condition, which is an 'Auto created scale condition'. The 'Delete warning' section states: 'The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn off autoscale.' The 'Scale mode' is set to 'Scale based on a metric'. The 'Rules' section contains a single rule: 'Scale out' with the condition 'When vmscale (Average) Percentage CPU > 70' and 'Increase count by 1'. The 'Instance limits' section shows 'Minimum' as 1, 'Maximum' as 3, and 'Default' as 1. The 'Schedule' section states: 'This scale condition is executed when none of the other scale condition(s) match'. There is a '+ Add a rule' button and a '+ Add a scale condition' button at the bottom.

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



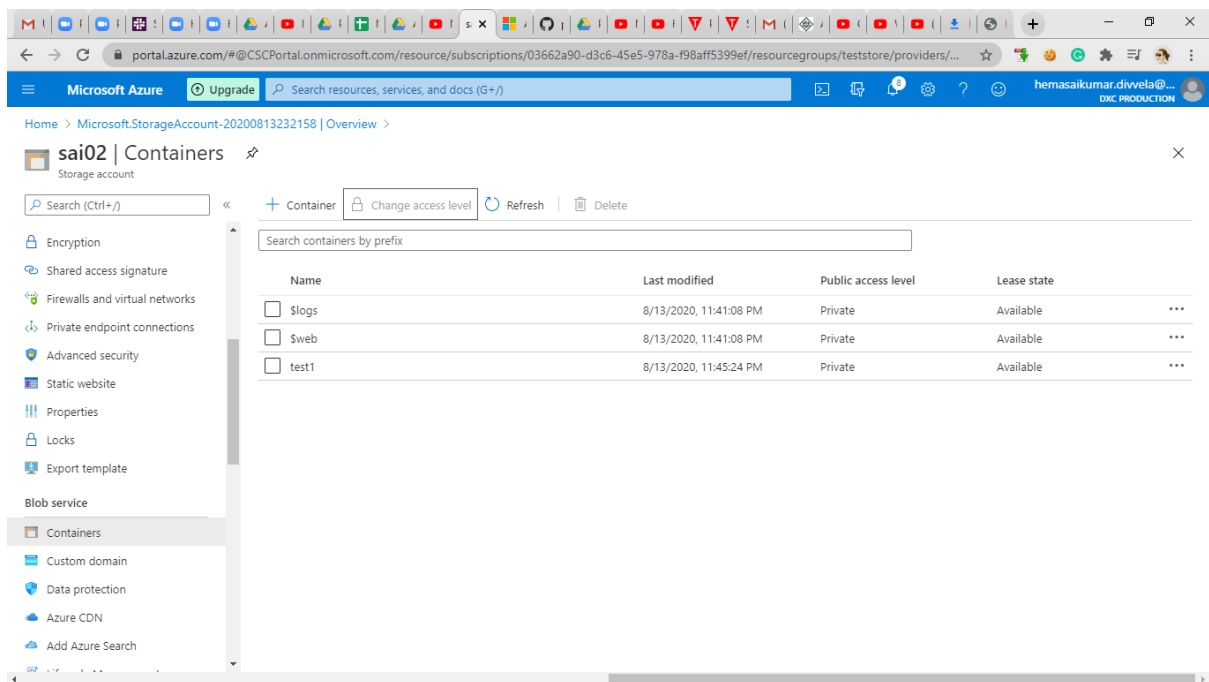
The screenshot shows the Azure portal interface for the 'vmscale' Virtual machine scale set. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Instances, Networking, Scaling (selected), Disks, Operating system, Security, Size, Extensions, Continuous delivery, and Configuration. The main content area shows the 'Auto created scale condition' for the scale set. It includes a 'Delete warning' message, a 'Scale mode' section with 'Scale based on a metric' selected, and a 'Rules' section with two rules: 'Scale out' when '(Average) Percentage CPU > 70' and 'Scale in' when '(Average) Percentage CPU < 40'. The 'Instance limits' section shows 'Minimum' 1, 'Maximum' 3, and 'Default' 1. A 'Schedule' section at the bottom states 'This scale condition is executed when none of the other scale condition(s) match'.

4. Creating a storage account of name sai02:

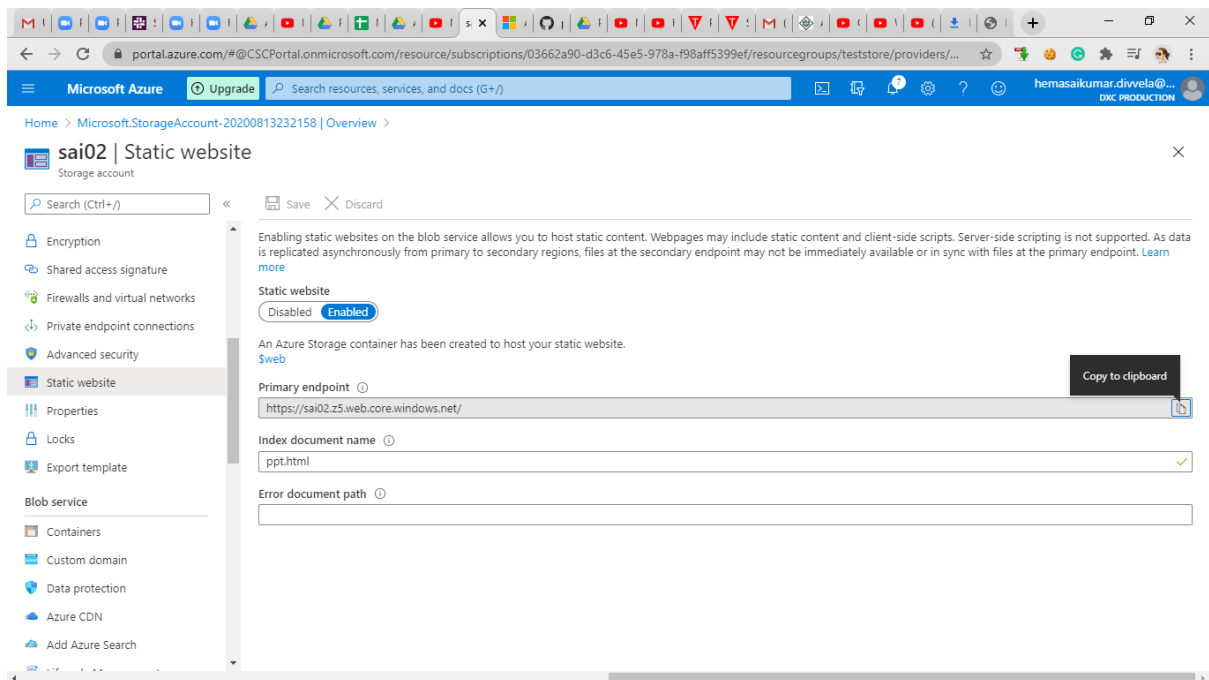


The screenshot shows the Azure portal interface for the 'sai02' Storage account. The left sidebar contains navigation options like Overview (selected), Activity log, Access control (IAM), Tags, Diagnose and solve problems, Data transfer, Events, Storage Explorer (preview), Settings, Access keys, Geo-replication, CORS, Configuration, Encryption, and Shared access signature. The main content area shows the 'Overview' page for the 'sai02' Storage account. It includes a 'Classic alerts in Azure Monitor is announced to retire in 2021' message, a table of account details, and a section for storage services. The account details table shows: Resource group (change) : teststore, Status : Primary: Available, Location : West US 2, Subscription (change) : Free Trial, Subscription ID : 03662a90-d3c6-45e5-978a-f98aff5399ef, and Tags (change) : Click here to add tags. The storage services section includes 'Containers' (Scalable, cost-effective storage for unstructured data), 'File shares' (Serverless SMB file shares), 'Tables' (Tabular data storage), and 'Queues' (Effectively scale apps according to traffic).

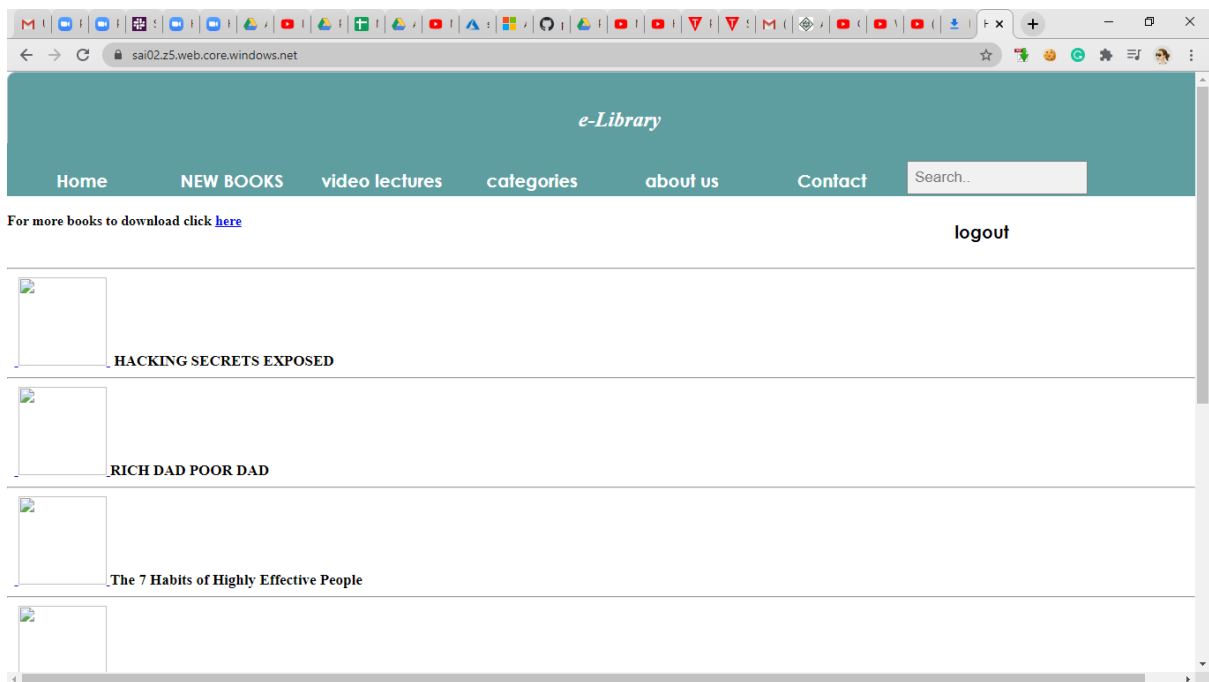
create a container with anonyms access:



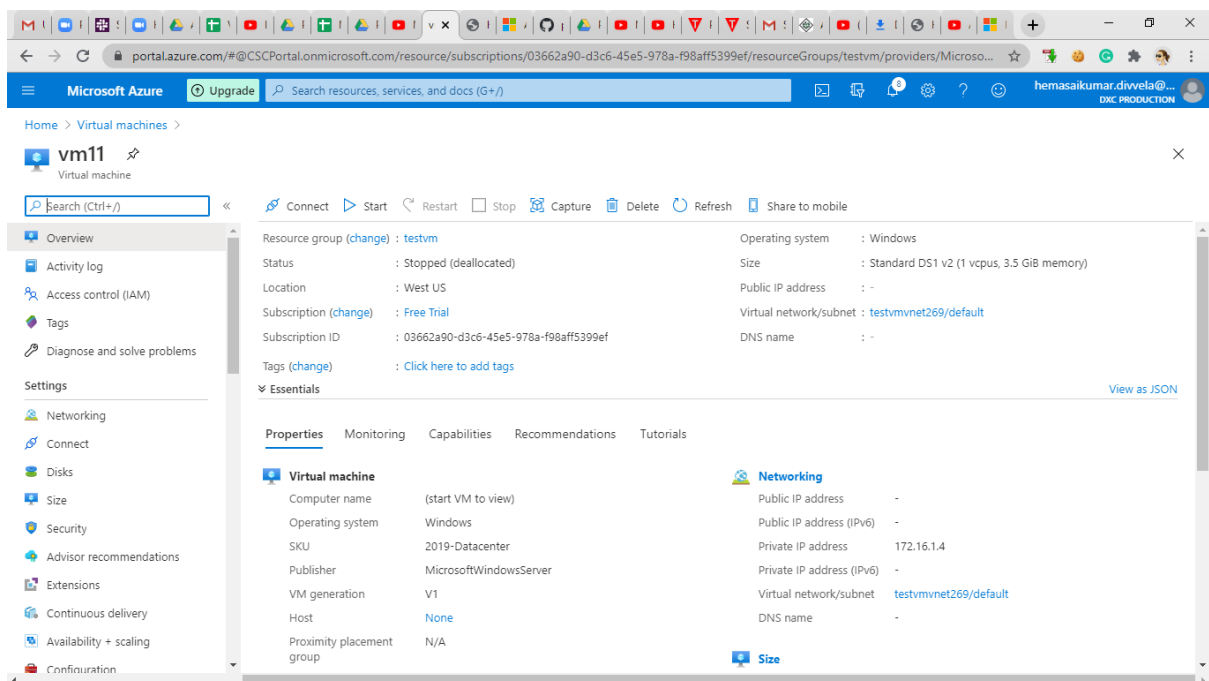
create a static website in the storage account:



copy the URL of static website and paste in browser to see the static web page:



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



The screenshot shows the Azure portal interface for a virtual machine named 'vm12'. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Security, Advisor recommendations, Extensions, Continuous delivery, Availability + scaling, and Configuration. The main content area displays the VM's status as 'Stopped (deallocated)' and provides details such as Location (West US), Subscription (Free Trial), and various network settings. The 'Networking' section shows the Public IP address as '-' and the Private IP address as '172.16.1.5'.

Property	Value
Resource group	testvm
Status	Stopped (deallocated)
Location	West US
Subscription	Free Trial
Subscription ID	03662a90-d3c6-45e5-978a-f98aff5399ef
Tags	Click here to add tags
Operating system	Windows
Size	Standard D51 v2 (1 vcpu, 3.5 GiB memory)
Public IP address	-
Virtual network/subnet	testvmvnet269/default
DNS name	-

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

The screenshot shows the Azure portal interface for a load balancer named 'loadbalance1'. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Frontend IP configuration, Backend pools, Health probes, Load balancing rules, Inbound NAT rules, Outbound rules, Properties, Locks, and Export template. The main content area displays the 'Inbound NAT rules' configuration, showing two rules: 'rule1' and 'rule2'. Both rules are configured with IP Version 'IPv4', Destination '13.83.105.242', Target 'vm11' and 'vm12' respectively, and Service 'Custom (TCP/50010)' and 'Custom (TCP/50011)' respectively.

Name	IP Version	Destination	Target	Service
rule1	IPv4	13.83.105.242	vm11	Custom (TCP/50010)
rule2	IPv4	13.83.105.242	vm12	Custom (TCP/50011)