

# At the beginning

Home >

All resources

Centennial College (CentennialCollegeEDU.onmicrosoft.com)

Create

Manage view

Refresh

Export to CSV

Open query

Assign tags

Delete

Filter for any field...

Subscription equals all

Resource group equals all

Type equals all

Location equals all

Add filter

0 Unsecure resources

0 Recommendations

No grouping

List view

Name

Type

Resource group

Location

Subscription

No resources match your filters

Try changing or clearing your filters.

Create resources

Clear filters

Learn more

## Create virtual Machine, Ubuntu

[Home](#) > [Create a resource](#) > [Virtual machine](#) >

### Create a virtual machine ...

**Basics** Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

**i** This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

#### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *	<input type="text" value="Azure for Students"/>
Resource group *	<input type="text" value="2VirtualMachinesResourceGroup"/>

[Create new](#)

#### Instance details

Virtual machine name *	<input type="text"/>
Region *	<input type="text" value="(US) East US"/>
Availability options	<input type="text" value="Availability zone"/>
Availability zone *	<input type="text" value="Zones 1"/>
<p><b>🔗</b> You can now select multiple zones. Selecting multiple zones will create one VM per zone. <a href="#">Learn more</a></p>	
Security type	<input type="text" value="Standard"/>
Image *	<input type="text" value="Ubuntu Server 20.04 LTS - Gen2"/>

[See all images](#) | [Configure VM generation](#)

**Review + create**

[< Previous](#)

[Next : Disks >](#)

## Deployment in Progress

[Home](#) >

CreateVm-canonical.0001-com-ubuntu-server-focal-2-20221101144240 | Overview

Deployment

< >

[Delete](#) [Cancel](#) [Redeploy](#) [Download](#) [Refresh](#)

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f... Start time: 11/1/2022, 2:46:30 PM

Subscription: Azure for Students Correlation ID: a5e407d-3cb9-489e-a075-cf62f85d9b6f

Resource group: zVirtualMachinesResourceGroup

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

[Tell us about your experience with deployment](#)

Microsoft Defender for Cloud

Secure your apps and infrastructure

[Go to Microsoft Defender for Cloud >](#)

Free Microsoft tutorials

[Start learning today >](#)

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

[Find an Azure expert >](#)

UbuntuVM11Me...pem

Show all

## Deployment Complete

[Home](#) >

CreateVm-canonical.0001-com-ubuntu-server-focal-2-20221101144240 | Overview

Deployment

< >

[Delete](#) [Cancel](#) [Redeploy](#) [Download](#) [Refresh](#)

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f... Start time: 11/1/2022, 2:46:30 PM

Subscription: Azure for Students Correlation ID: a5e407d-3cb9-489e-a075-cf62f85d9b6f

Resource group: zVirtualMachinesResourceGroup

Deployment details

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

[Go to resource](#) [Create another VM](#)

Give feedback

[Tell us about your experience with deployment](#)

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.

[Set up cost alerts >](#)

Microsoft Defender for Cloud

Secure your apps and infrastructure

[Go to Microsoft Defender for Cloud >](#)

Free Microsoft tutorials

[Start learning today >](#)

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

[Find an Azure expert >](#)

UbuntuVM11Me...pem

Show all

# Create Virtual Machine, Windows

[Home](#) > [Create a resource](#) > [Virtual machine](#) >

## Create a virtual machine ...

### Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ

Azure for Students

Resource group \* ⓘ

2VirtualMachinesResourceGroup

[Create new](#)

### Instance details

Virtual machine name \* ⓘ

WindowsVM11Mehmet

Region \* ⓘ


(US) East US

Availability options ⓘ

Availability zone

Availability zone \* ⓘ


Zones 1

 You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type ⓘ

Standard

Image \* ⓘ


 Windows 10 Pro, version 21H2 - Gen2

[See all images](#) | [Configure VM generation](#)

VM architecture ⓘ

☐ Arm64

☒ x64

 Arm64 is not supported with the selected image.

Run with Azure Spot discount ⓘ

☐

## Validation passed

[Home](#) > [Create a resource](#) > [Virtual machine](#) >

# Create a virtual machine

✓ Validation passed

Basics Disks Networking Management Monitoring Advanced Tags **Review + create**

**i** Cost given below is an estimate and not the final price, Please use [Pricing calculator](#) for all your pricing needs.

### PRODUCT DETAILS

1 X Standard D2s v3  
by Microsoft  
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

**0.1229 CAD/hr**

[Pricing for other VM sizes](#)

### TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

**⚠ You have set RDP port(s) open to the internet.** This is only recommended for testing. If you want to change this setting, go back to Basics tab.

### Basics

Subscription

Azure for Students

**Create**

< Previous

Next >

[Download a template for automation](#)

## Deployment is finished

Home >

CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20221101145012 | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

Delete Cancel Redeploy Download Refresh

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20221101145012  
Subscription: Azure for Students  
Resource group: 2VirtualMachinesResourceGroup  
Start time: 11/1/2022, 2:56:52 PM  
Correlation ID: c8a8371e-ae2a-4d84-aafb-447666aabe1

Deployment details

Next steps

Setup auto-shutdown Recommended  
Monitor VM health, performance and network dependencies Recommended  
Run a script inside the virtual machine Recommended

Go to resource Create another VM

Give feedback  
Tell us about your experience with deployment

Notifications

More events in the activity log

Dismiss all

Deployment succeeded  
Deployment "CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20221101145012" to resource group "2VirtualMachinesResourceGroup" was successful.  
Go to resource Pin to dashboard  
a few seconds ago

Deployment succeeded  
Deployment "CreateVm-canonical.0001-com-ubuntu-server-focal-2-20221101144240" to resource group "2VirtualMachinesResourceGroup" was successful.  
Go to resource Pin to dashboard  
9 minutes ago

Successfully saved template.  
Successfully saved changes to Templates.  
16 minutes ago

Successfully saved template.  
Successfully saved changes to Templates.  
21 minutes ago

Successfully saved template.  
Successfully saved changes to Templates.  
29 minutes ago

Successfully saved template.  
Successfully saved changes to Templates.  
29 minutes ago

## All Resources after Deployment

Home >

All resources

Centennial College (CentennialCollegeEDU@microsoft.com)

Create Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field... Subscription equals all Resource group equals all Type equals all Location equals all Add filter

0 Unsecure resources 0 Recommendations

No grouping List view

Name	Type	Resource group	Location	Subscription
2VirtualMachinesResourceGroup-vnet	Virtual network	2VirtualMachinesResourceGroup	East US	Azure for Students
NetworkWatcher_eastus	Network Watcher	NetworkWatcherRG	East US	Azure for Students
UbuntuVM11Mehmet	Virtual machine	2VirtualMachinesResourceGroup	East US	Azure for Students
UbuntuVM11Mehmet-ip	Public IP address	2VirtualMachinesResourceGroup	East US	Azure for Students
UbuntuVM11Mehmet-nsg	Network security group	2VirtualMachinesResourceGroup	East US	Azure for Students
ubuntuvm11mehmet564_z1	Network interface	2VirtualMachinesResourceGroup	East US	Azure for Students
UbuntuVM11Mehmet_key	SSH key	2VirtualMachinesResourceGroup	East US	Azure for Students
UbuntuVM11Mehmet_OsDisk_1_0b1384eb32e4f6ab7d0093d8032c38a	Disk	2VIRTUALMACHINESRESOURCEGROUP	East US	Azure for Students
WindowsVM11Mehmet	Virtual machine	2VirtualMachinesResourceGroup	East US	Azure for Students
WindowsVM11Mehmet-ip	Public IP address	2VirtualMachinesResourceGroup	East US	Azure for Students
WindowsVM11Mehmet-nsg	Network security group	2VirtualMachinesResourceGroup	East US	Azure for Students
windowsvm11mehmet186_z1	Network interface	2VirtualMachinesResourceGroup	East US	Azure for Students
WindowsVM11Mehmet_disk1_47cce65e9a2e4140af518725502a288	Disk	2VIRTUALMACHINESRESOURCEGROUP	East US	Azure for Students

< Previous Page 1 of 1 Next > Showing 1 to 13 of 13 records.

Give feedback

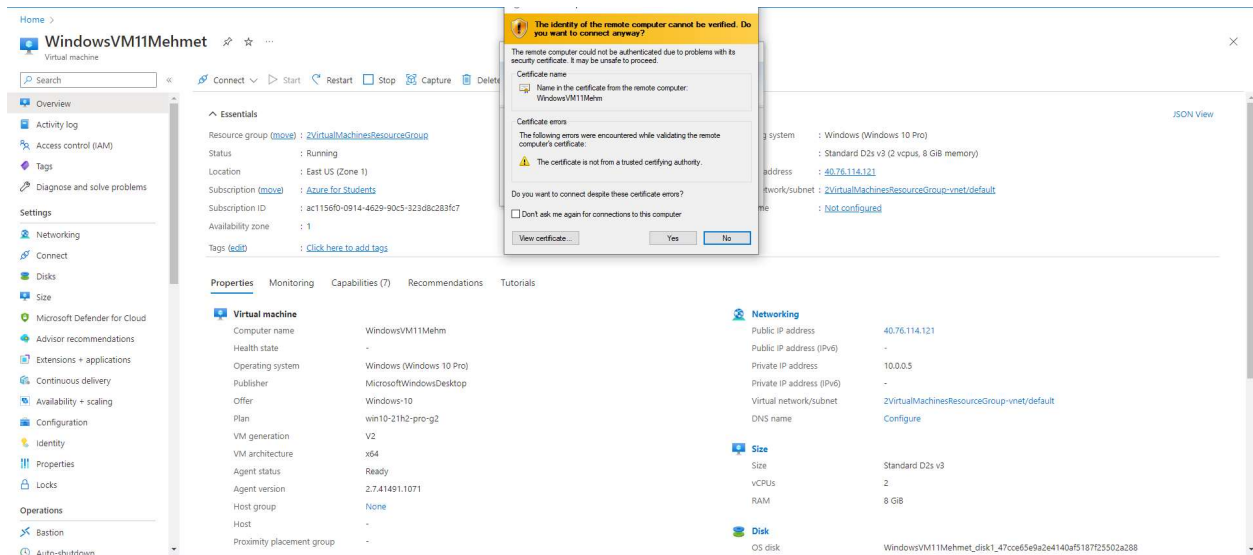
## Connecting to Windows Desktop of new Virtual Machine with RDC

The screenshot displays the Azure portal interface for a virtual machine named 'WindowsVM11Mehmet'. The 'Overview' tab is selected, showing essential information such as the resource group, status (Running), location (East US), and subscription ID. The 'Properties' tab is also visible, detailing the virtual machine's configuration, including the operating system (Windows 10 Pro), publisher (MicrosoftWindowsDesktop), offer (Windows-10), plan (win10-21h2-pro-g2), VM generation (V2), VM architecture (x64), agent status (Ready), agent version (2.7.41491.1071), host group (None), and host (None).

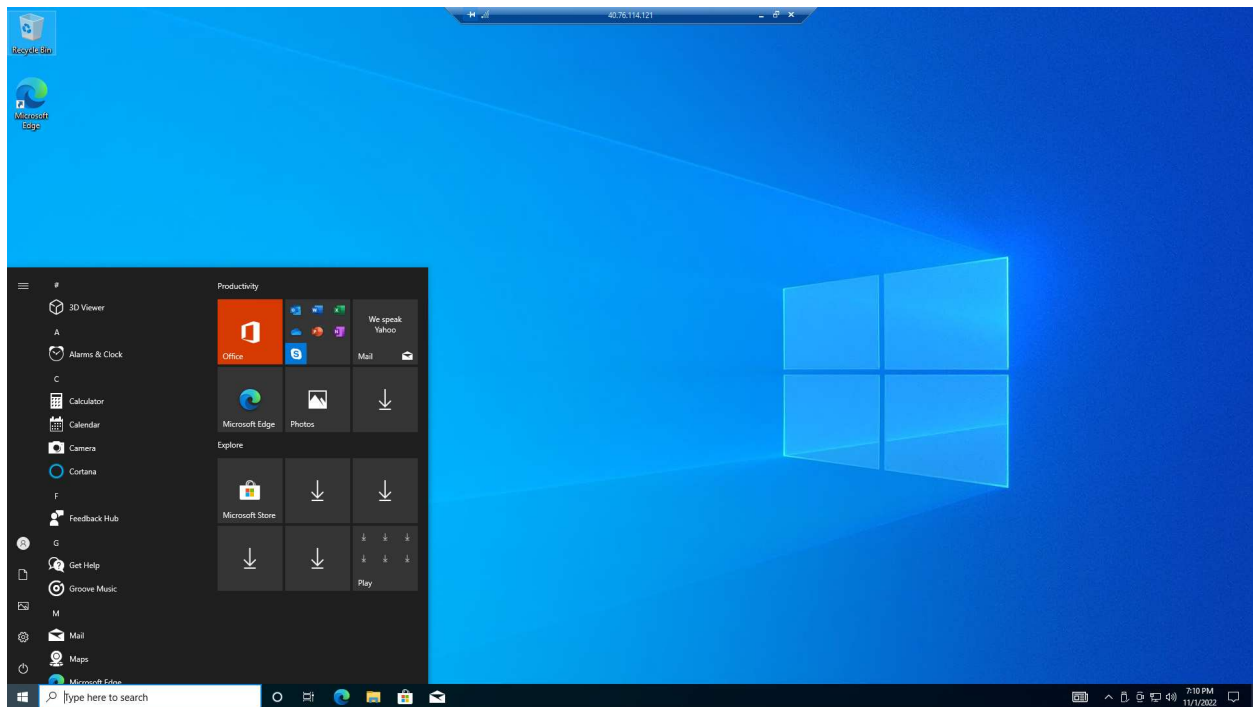
Overlaid on the portal is a 'Remote Desktop Connection' dialog box. The 'Computer' field is set to '40.76.114.121', and the 'User name' is 'MehmetOzanmazUser'. A message indicates that credentials will be requested upon connection. The 'Connect' button is highlighted.

Below the portal view, a 'Windows Security' dialog box titled 'Enter your credentials' is shown. It states that the provided credentials will be used to connect to 40.76.114.121. The username 'MehmetOzanmazUser' is entered, and the 'Remember me' checkbox is unchecked. The 'OK' button is highlighted.

The background of the portal shows the 'Networking' and 'Size' sections. The 'Networking' section lists the public IP address (40.76.114.121), private IP address (10.0.0.5), and virtual network/subnet (2VirtualMachinesResourceGroup-vnet/default). The 'Size' section shows the VM size (Standard D2s v3), vCPUs (2), and RAM (8 GiB).

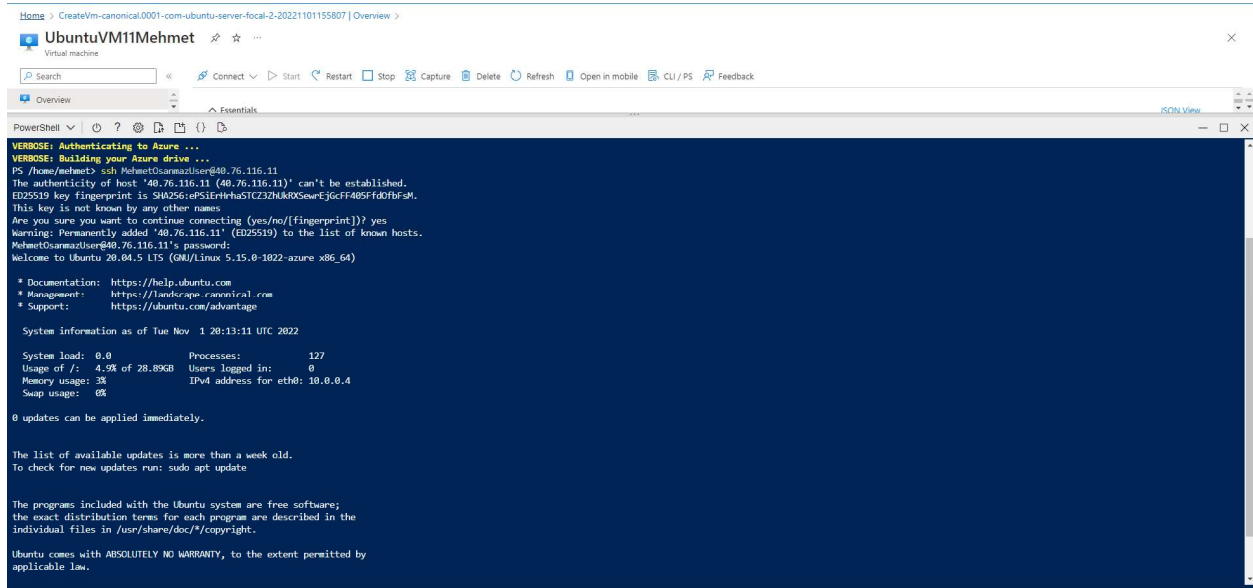


## Remote Desktop of New Virtual Machine





## Connecting to Ubuntu VM with Azure Portal console



The list of available updates is more than a week old.  
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

MehmetOsmanmazUser@UbuntuVM11Mehmet:~\$

The list of available updates is more than a week old.  
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

MehmetOsmanmazUser@UbuntuVM11Mehmet:~\$ exit  
logout  
Connection to 40.76.116.11 closed.  
PS /home/mehmet>

## Connect From Serial Console

## UbuntuVM11Mehmet | Serial console

Virtual machine

serial

Help

Boot diagnostics

Serial console

```
? Feedback
<14-Nov 1 20:07:31 cloud-init: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAEVj3NNbLXNoYTTihalsdHAyNTYAAAAAImalsdHAyNTYAAAAABBBFLeVwNlIGVvUB+7rP5Dj9A2V2lvh82W39MeHPd2DQIL0wrrS4Puwv8FzjOoAID3R8nAMUQRv73RCIwL8G8D0= root@UbuntuVM11Mehmet
ssh-ed25519 AAAAC3NzaC1lZD01INTE5AAAAIPIHNGcTeByPlG3L7zWN3IP4laP9CAO2gnMB3n5QwVER6 root@UbuntuVM11Mehmet
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDQZl4e8tEtl4Pxr+qL7781t17F8hpCm8FV93bDpwH8K1kZtaIfm4jMpl1i2x3QuF2MBJfEnw+4Gg0Gg/dq4Y8hi48v+wbtyCG96fM2sLAlYdved614Q/hdtiFhI6Vt7OabAH1+vs8+KwPQodbeicndNoHl4sp1TTFw*VlVpMOLMJP20x587m56mXhgm/74cRta08FEC2wbFNMmXfujmRnj6hm08q8FuP41k7Ldb7bEhpdkuWkocim8MLijcVWToemlmgM/gbw083zF8mah13vW870y7oV2LsuSko8N88Ez78UUYzNYQq1uN8E2b4PUS1e8FhALOEfgMhaDcCFKkbNkT7ITC2vydm9FTXOnHb287LrLe84st9iwQcxa3K02Ux9udu65fN5ITJ/+rEMIG6RhdMnaAVx4NfoF5W0VA2vX0emYUSUbuuCurE7wt0J08dBtUSbFhIwJatToQ73cLoWv6mncON+hJ8t
rJ3t99ZIt= root@UbuntuVM11Mehmet
-----END SSH HOST KEY KEYS-----
[ 19.195495] cloud-init[1651]: Cloud-init v. 22.3.4-Ubuntu1-20.04.1 running 'modules:final' at Tue, 01 Nov 2022 20:07:31 +0000. Up 18.95 seconds.
[ 19.195677] cloud-init[1651]: Cloud-init v. 22.3.4-Ubuntu1-20.04.1 finished at Tue, 01 Nov 2022 20:07:31 +0000. DataSource DataSourceAzure [seed=/dev/sr0]. Up 19.18 seconds
[ OK ] Finished Reconfigure cloud user/initial scripts.
[ OK ] Reached target Cloud-init target.

UbuntuVM11Mehmet login: MehmetOsmanUser
Password:
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-1022-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Tue Nov 1 20:18:43 UTC 2022

System load: 0.0          Processes:           122
Usage of /:  5.0% of 28.8GB Users logged in:       0
Memory usage: 4%          IPv4 address for eth0: 10.0.0.4
Swap usage:  0%

0 updates can be applied immediately.

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Nov 1 20:13:12 UTC 2022 from 20.232.186.76 on pts/0
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

MehmetOsmanUser@UbuntuVM11Mehmet:~$
```

## Edit Template ...

General ARM Template

```
1 {
2   "$schema": "http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
3   "contentVersion": "1.0.0.0",
4   "parameters": {},
5   "resources": [
6
7     {
8       "name": "[toLower('ubuntuVM11Mehmetstorage')]",
9       "type": "Microsoft.Storage/storageAccounts",
10      "apiVersion": "2021-04-01",
11      "location": "[resourceGroup().location]",
12      "tags": {
13        "displayName": "ubuntuVM11Mehmet Storage Account"
14      },
15      "sku": {
16        "name": "Standard_LRS"
17      },
18      "kind": "Storage"
19    },
20    {
21      "name": "ubuntuVM11Mehmet-PublicIP",
22      "type": "Microsoft.Network/publicIPAddresses",
23      "apiVersion": "2020-11-01",
24      "location": "[resourceGroup().location]",
25      "tags": {
26        "displayName": "PublicIPAddress"
27      },
28      "properties": {
29        "publicIPAllocationMethod": "Dynamic",
30        "dnsSettings": {
31          "domainNameLabel": "[toLower('ubuntuVM11Mehmet')]"
32        }
33      }
34    },
35    {
```

Save

Previous: General

# Custom deployment

Deploy from a custom template

## TEMPLATE



12 resources



Edit template



Learn more

## BASICS

Subscription \*

Azure for Students

Resource group \*

2VirtualMachinesResourceGroup

[Create new](#)

Location

(US) East US

## TERMS AND CONDITIONS

[Azure Marketplace Terms](#)

[Azure Marketplace](#)

By clicking "Purchase," I (a) agree to the applicable legal terms associated with the offering; (b) authorize Microsoft to charge or bill my current payment method for the fees associated the offering(s), including applicable taxes, with the same billing frequency as my Azure subscription, until I discontinue use of the offering(s); and (c) agree that, if the deployment involves 3rd party offerings, Microsoft may share my contact information and other details of such deployment with the publisher of that offering.



I agree to the terms and conditions stated above

Purchase