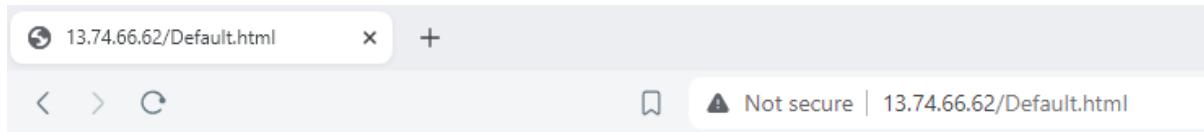




Routing domain to VM

The end goal is to make a web server hosted on an Azure VM accessible through a custom domain name, first by directly pointing the domain to the VM's IP and then by managing the domain's DNS through Azure's DNS service for better integration and management.

1. In this lab first we are going to create a VM based on Windows Server 2022, and we are going to install IIS on it using the setup file as we did in our previous labs. Below you can see that we have a VM running. The key point is that we need a Public IP address for this web page to access.



This is the server demoVM

2. Now on the overview of your VM you will see that DNS name is not configured here. For that we need to click on it.

A screenshot of the Azure portal showing the overview of a VM named 'demoVM'. The 'DNS name' field is highlighted with a red box and contains the value 'Not configured'. Other details shown include the operating system (Windows Server 2022 Datacenter), size (Standard D2s v3), public IP address (13.74.66.62), and time created (27/5/2024, 10:59 am UTC).

3. Then we just need to provide it with a unique name and click on save.

A screenshot of the Azure portal showing the configuration of a public IP address named 'demoVM-ip'. The 'DNS name label (optional)' field is highlighted with a red box and contains the value 'demovirtualmachine'. The IP address is listed as '13.74.66.62'.

4. Now if you come back to your VM and refresh the page, you will see that we have a DNS name in place. We will use this DNS name to access our IIS.

Connect ▾ Start ▾ Restart ▾ Stop ▾ Hibernate ▾ Capture ▾ Delete ▾ Refresh ▾ Open in mobile ▾ Feedback ▾ CLI / PS

Essentials

Resource group ([move](#)) : [demo-resource-group](#)

Status : Running

Location : North Europe

Subscription ([move](#)) : [Azure Pass - Sponsorship](#)

Subscription ID : 6e13e5d6-4287-42a8-b80f-91d6b14e3aec

Operating system : Windows (Windows Server 2022 Datacenter)

Size : Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address : [13.74.66.62](#)

Virtual network/subnet : [demoVM-vnet/default](#)

DNS name : [demovirtualmachine.northeurope.cloudapp.azure.com](#)

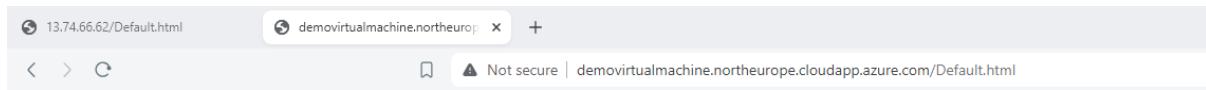
Health state : -

Time created : 27/5/2024, 10:59 am UTC

Tags ([edit](#)) : [Add tags](#)

JSON View

- And you can see that we are able to reach the web page using the DNS name.



This is the server demoVM

- Now you should have a Domain name with your bought from any outside DNS provider.
- I have a domain name purchased from GoDaddy.com. So, we are going to make use of that and redirect the traffic to it using the public IP address of our VM.
- Now what you need to do is go to your service provider and open your domain settings then go to DNS records after that in the Type A record you need to put the Public IP address in the value section then just click on save.

cloudservicesdemo.in Use My Domain

Overview DNS Products

DNS Records Forwarding Nameservers Premium DNS Hostnames DNSSEC NEW Crypto Wallet

[DNS records](#) define how your domain behaves, like showing your website content and delivering your email.

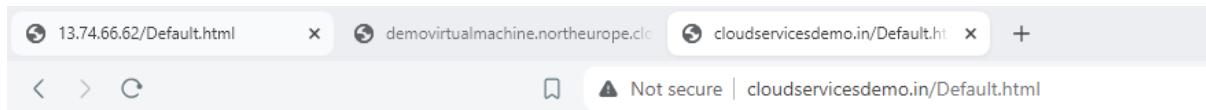
Manage Existing Records

[A records](#) use an IP address to connect your domain to a website. They're also used to [create subdomains](#) such as www or store, that point to an IP address. X

Type *	Name *	Value *	TTL
A	@	13.74.66.62	Custom
		+ Add another value	Seconds
			600

[Add More Records](#) Save Cancel

- Now wait for around 4-5 minutes and then try to access IIS using your domain name. Below you can see that we can access the web page using our domain name.



This is the server demoVM

😊 Azure Public DNS

1. The first thing we need to do is delete our A-type record in GoDaddy from our domain name.
2. After that come back to the portal and search DNS zone in the market place.

DNS zone Add to Favorites

Microsoft | Azure Service

★ 4.4 (66 ratings)

Plan

DNS zone ▼

Create

3. First, you need to choose your resource group then in the name section give your domain name.

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 Pass - Sponsorship"/>
Resource group *	<input type="text" value="demo-resource-group"/> Create new

Instance details

This zone is a child of an existing zone already hosted in Azure DNS [i](#)

Name *	<input type="text" value="cloudservicesdemo.in"/>
Resource group location *	<input type="text" value="(Europe) North Europe"/>

4. Then just move to the review page and create your DNS zone. Then you need to come to DNS zone and go to the record set. Here we are going to create a record set.

Name	Type	TTL	Value	Alias resource type	Alias target
@	NS	172800	ns1-32.azure-dns.com. ns2-32.azure-dns.net. ns3-32.azure-dns.org. ns4-32.azure-dns.info.		
@	SOA	3600	Email: azuredns-hostmaster.microsoft.com Host: ns1-32.azure-dns.com Refresh: 3600 Retry: 300 Expire: 2419200 Minimum TTL: 300 Serial number: 1		

5. Then just leave the name do not write anything and in the IP address you have to give the Public IP address of your VM

Name

.cloudservicesdemo.in

Type

A – Address record

Alias record set ⓘ

No

TTL *

1

TTL unit

Hours

IP address

13.74.66.62

0.0.0.0

6. The only thing now is, that we need to tell my external domain provider that whenever any request comes onto cloudservicesdemo.in, don't resolve it yourself. Please go onto the Azure platform as part of my account and then resolve it. Because we have the A-record here. The A-record is being marked here.
7. Now if you go back to GoDaddy and then go to Nameservers you will see that go daddy is using its own name server now we are going to change with ours.

< Domain Portfolio

cloudservicesdemo.in

Use My Domain

Overview DNS Products

DNS Records Forwarding Nameservers Premium DNS Hostnames DNSSEC NEW Crypto Wallet

Nameservers determine where your DNS is hosted and where you add, edit or delete your DNS records.

Using default nameservers

Change Nameservers

Nameservers [\(?\)](#)

ns07.domaincontrol.com

ns08.domaincontrol.com

ns45.domaincontrol.com

ns46.domaincontrol.com

8. In the record section of the DNS zone you can see the name servers we need to add these to go Daddy.

[+ Add](#) [⟳ Refresh](#) [trash Delete](#)

A record set is a collection of records in a zone that have the same name and are the same type. Record Sets will be automatically fetched in batches of 100 as you scroll through the existing record sets. [Learn more](#)

Search

Fetched 3 record set(s).

Name	Type	TTL	Value	Alias resource type	Alias target	edit	trash
@	A	3600	13.74.66.62			edit	trash
<input type="checkbox"/> @	NS	172800	ns1-32.azure-dns.com. ns2-32.azure-dns.net. ns3-32.azure-dns.org. ns4-32.azure-dns.info.			edit	trash

9. For that click on change nameservers and then add all 4 nameservers save it.

X

Edit nameservers

Choose nameservers for **cloudservicesdemo.in**

GoDaddy Nameservers (recommended)

I'll use my own nameservers

ns1-32.azure-dns.com



ns2-32.azure-dns.net



ns3-32.azure-dns.org



ns4-32.azure-dns.info



[+ Add Nameserver](#)

Save

Cancel

10. After 5-20 minutes go and use your domain name to access the web page and you will see it as expected.

