

A decorative border composed of various colorful abstract shapes, including semi-circles, triangles, and irregular polygons in shades of teal, orange, blue, green, purple, pink, and yellow, arranged in a circular pattern around the central text.

NAMASTE NODE.JS SEASON 3

Episode-3

Hand Written Notes

-By Shanmuga Priya

www.linkedin.com/in/shanmuga-priya-e-tech2

Episode-3

Adding a custom Domain Name

→ The website which we will be using to purchase Domain name is from Crodaddy.

Step 1: Search for the Domain name.

Create an account in Crodaddy and search for a domain name that you want to setup for your project. It will give you a list of names similar to the one you provided. Choose the one among them & finish the Payment Process.

Step 2: Map our Instance Public IP address to DNS Management in Crodaddy.

In Dashboard, go to my products / all products select the Domain name you have purchased click on DNS and create a DNS Record & Point our IP.
(or)

In Cloudflare.

Step 1: Signup on Cloudflare.

Create an account Cloudflare. We will be using Cloudflare to manage the DNS Records instead of Crodaddy. Because it provides free SSL certificates.

What is Cloudflare?

Cloudflare is a service that provides a combination of:

* Content Delivery Network (CDN): speeds up a website by caching content at servers.

* Security: protects site from attacks

* DNS Management: Centralized control of DNS records.

* Free SSL: provides free SSL certificate to secure website.

what is SSL certificate?

→ An SSL (Secure Sockets Layer) certificate ensures that data transferred between a user and a website is encrypted and secure.

→ It is critical for securing websites, especially those handling sensitive information like password or credit card details.

→ SSL also enables HTTPS, which is more secure.

Step 2 Add a domain name.

Add the domain name that purchased from godaddy in cloudflare after creating an account and click on continue and select a free plan and click continue it will redirect to a page to review DNS records. click on continue to activation.

Step 3: Adding a nameserver from cloudflare to godaddy.

→ After the 2nd step it will give us 2 nameservers we need to add those nameservers to godaddy.

→ In godaddy DNS management → you will see a tab Nameservers, click on change Nameservers and select an option that "I'll use my own nameservers" and add the cloudflare nameservers.

→ Once it's done cloudflare will take some time to update Nameservers and get the DNS record from the godaddy.

what is Nameserver?

Nameserver is a place where your DNS records is hosted. When someone tries to access a domain, the browser contacts the name server to retrieve the DNS record and find the correct server to direct the req.

why to add cloudflare's nameserver to godaddy?

Since we are using cloudflare to manage DNS records instead of godaddy we are replacing the godaddy's nameservers with the cloudflare nameserver.

What is DNS Records?

DNS records are the configuration in the DNS system that tell how to handle your domain. There are various types of DNS records:

A record: Maps a domain name to an IP address

CNAME record: Maps one domain to another (eg: www.ex.com → ex.com)

Step 4: Add Our Instance IP address to DNS Records.

In sidebar click on DNS → Records → edit the A record with the Instance IP address. There will be a 2 A record by default which points to random IP address. Delete anyone of them and edit the other one with the Instance IP address.

Step 5: Enabling SSL certificate:

→ In sidebar click on SSL/TLS → click on configure and select custom SSL/TLS in that to flexible and save it.

→ Click on edge certificate in sidebar under SSL/TLS → enable "Automatic HTTPS rewrites". It changes http to https.

→ Now we have successfully created a custom domain name and protected it with SSL certificate.

What is DNS?

DNS (Domain Name System) is like phonebook of the internet. It translates human-readable domain names to its IP address that computers use to communicate.

What is DNS Registrar?

It is a place where we purchase a domain name from. eg: godaddy