



**NXT**  
**WAVE**

**WELCOME**



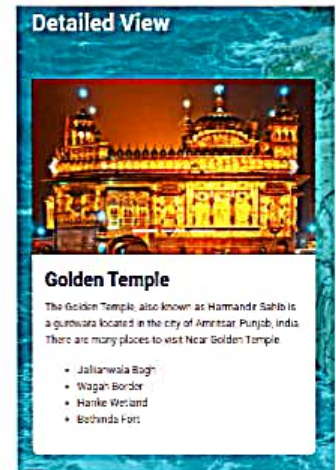
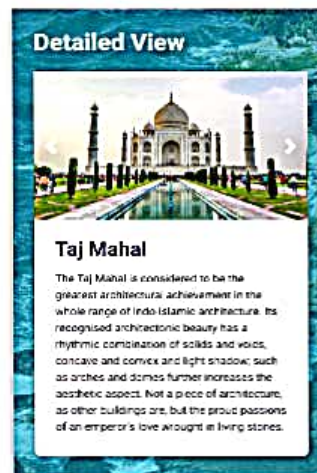


## Website Behind The Scenes

Recap

## Website Integration | Part 2

- ✓ Adding Multiple Carousels using Bootstrap
- ✓ HTML Lists
  - Ordered Lists
  - Unordered Lists
- ✓ Styling Lists using CSS
  - list-style-type



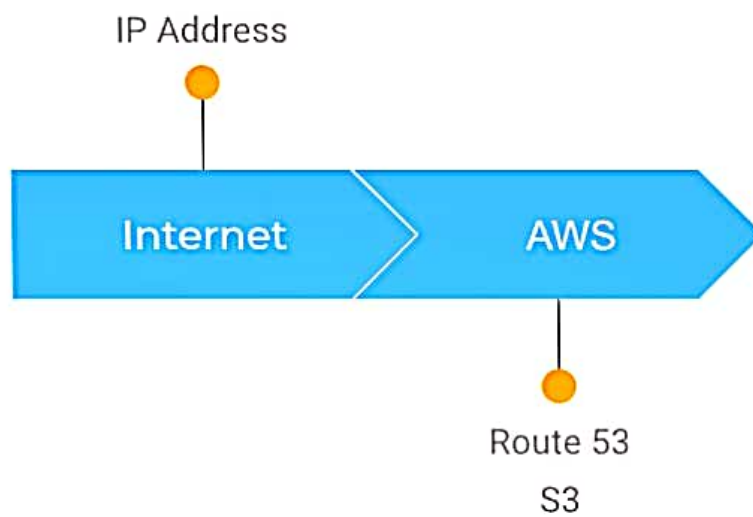


Agenda

Website: Behind The Scenes

## Agenda

# Website: Behind The Scenes



# What is Internet?



Connecting devices

# Internet

The Internet is  
a **public global network**  
of billions of computers  
and devices



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## Connecting devices

## Billions of Devices

~ 22 billion devices

are connected to the Internet world-wide



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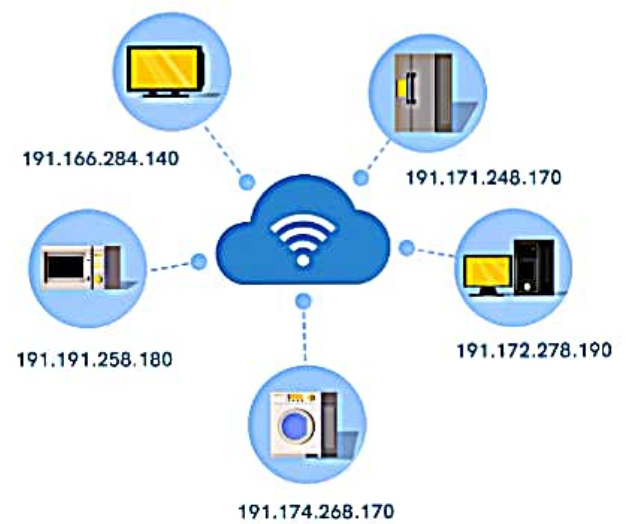
## How to Identify Each Device Connected to the Internet?



Connecting devices

## IP Address

A **unique** address given to each device connected to the Internet that helps to communicate with remaining devices



Connecting devices

## IP Address



172.16.254.1



14/97 Alphonse Street,  
South Canada

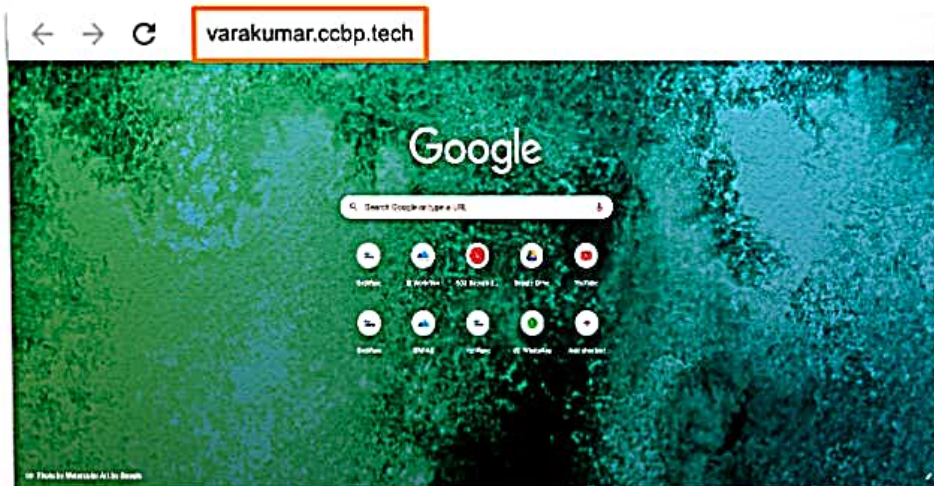
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A decorative geometric pattern consisting of overlapping squares and rectangles in shades of blue and green, located in the top-left corner of the slide.

What happens when we type  
**varakumar.ccbp.tech?**

Browser

Website URL



Chrome



Safari



Firefox

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Browser

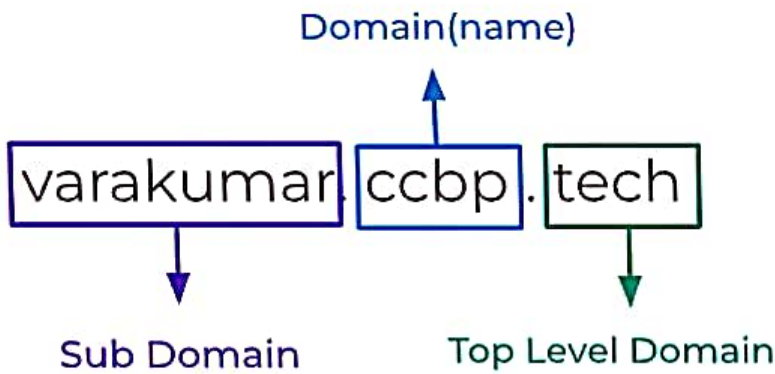
## Domain



www.google.com


www.amazon.in

learning.ccbp.in



Browser

# Domain



Name	Number
John dou	8546522587
Anthony	8462578989
Amith	9545235352



Name	IP Address
www.google.com	191.12.161.2
www.facebook.com	191.21.151.4
www.amazon.in	191.31.23.86

DNS

## Domain Name System

The Domain Name System (DNS) is the phonebook of the Internet

DNS translates domain names to IP addresses so browsers can load Internet resources



<u>Name</u>	<u>IP Address</u>
www.google.com	191.12.161.2
www.facebook.com	191.21.151.4
www.amazon.in	191.31.23.86



Amazon

## Route 53

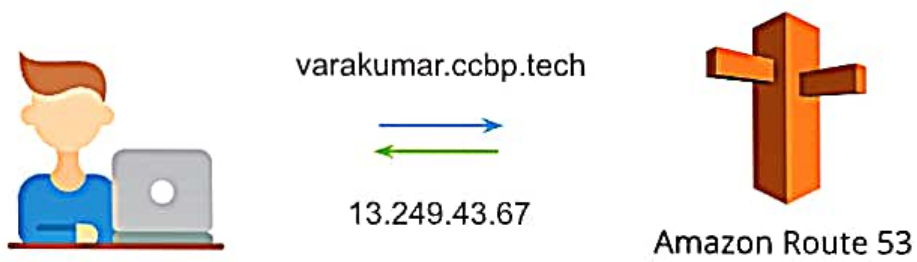
Amazon Route 53 is  
a highly available and scalable  
cloud **Domain Name System** (DNS)  
web service



Amazon Route 53

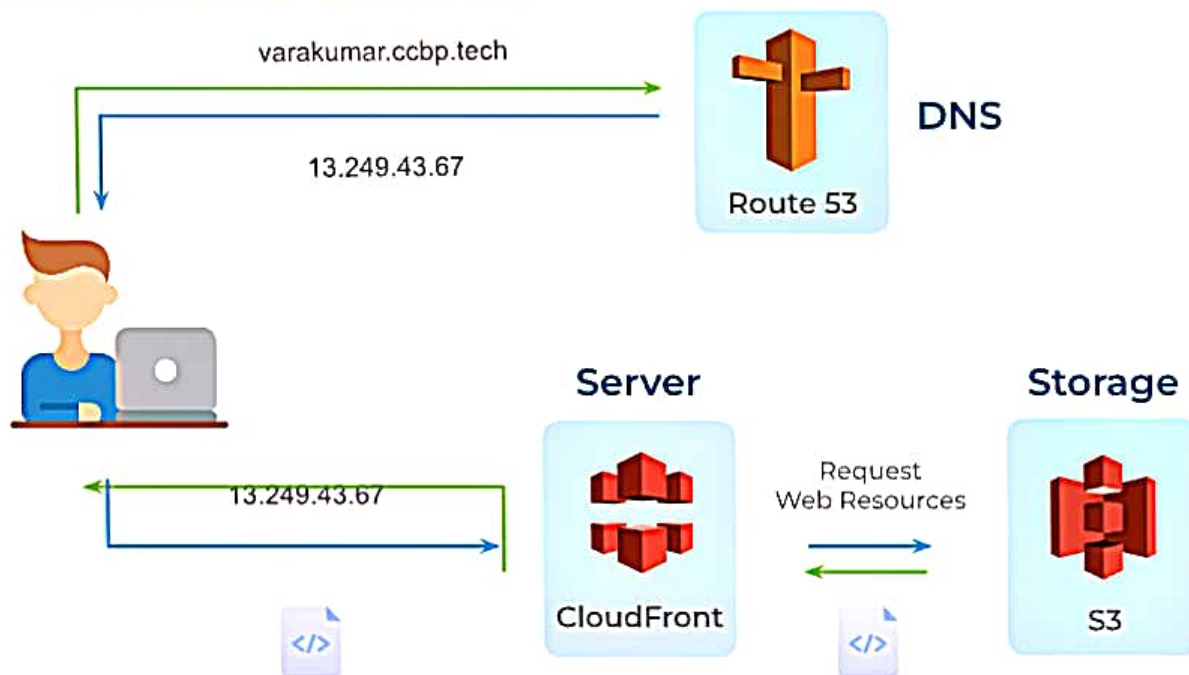
DNS

## Mapping



Website

## Behind the Scenes



Amazon Web Services

## Simple Storage Service(S3)

When we click on **publish** button, the website gets updated in the storage, automatically



The screenshot shows the Next.js web interface. At the top, there's a 'Code' button and an 'Output' button. Below them are icons for running, refreshing, and inspecting. The main area displays the HTML code for the page, with line numbers 3 through 16. At the bottom, there are three buttons: 'PUBLISH' (highlighted with an orange box), 'DOWNLOAD', and 'Web'. The 'PUBLISH' button is the one that triggers the automatic update to Amazon S3.

```
3- <head>
4- <link rel="stylesheet" href="https://sta
5- <script src="https://code.jquery.c
6- <script src="https://cdn.jsdelivr.n
7- <script src="https://stackpath boo
8- </head>
9- <body>
10-
11- <div class="paragraph bg-orange">I want t
12- <div class="paragraph bg-green">I want to
13- <div class="paragraph bg-orange">I want t
14- <div class="paragraph bg-green">I want to
15- </body>
16- </html>
```



Amazon S3

NXT  
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Amazon Web Services

## Simple Storage Service(S3)

Everyone has their  
**own dedicated folder**  
in Amazon S3  
to maintain their website



# Concepts We Learnt Till Now



HTML

## Elements

- Heading - h1
- Paragraph - p
- Button - button
- Container - div
- Image - img
  - src Attribute
- HTML Lists
  - Unordered List - ul
  - Ordered List - ol
  - List Item - li

HTML

## Attributes

- class
- id
- onclick



CSS

## Text Properties

- color
- font-size
- font-family
- font-weight
- font-style
- text-decoration
- text-align

CSS

## Background Properties

- background-color
- background-image
- background-size

CSS

## Box Properties

- height
- width
- margin
- padding
- border
  - border-radius
  - border-width
- border-radius
  - border-top-left-radius
  - border-top-right-radius
  - border-bottom-left-radius
  - border-bottom-right-radius

Bootstrap

## Flexbox Class Names

- d-flex
- flex-row
- flex-column
- justify-content-start
- justify-content-center
- justify-content-end

Reusability

## Components & Utilities

### Bootstrap

- Buttons
- Carousel
- Video Embed
  - Youtube Video

### CCBP UI Kit

- Display Utility

Website: Behind The Scenes

## Key Takeaways

- ✔ Internet
  - IP Address
  - DNS Server
- ✔ Amazon Web Services
  - Route 53
  - S3





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**THANK YOU**





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**ALL THE BEST**

