

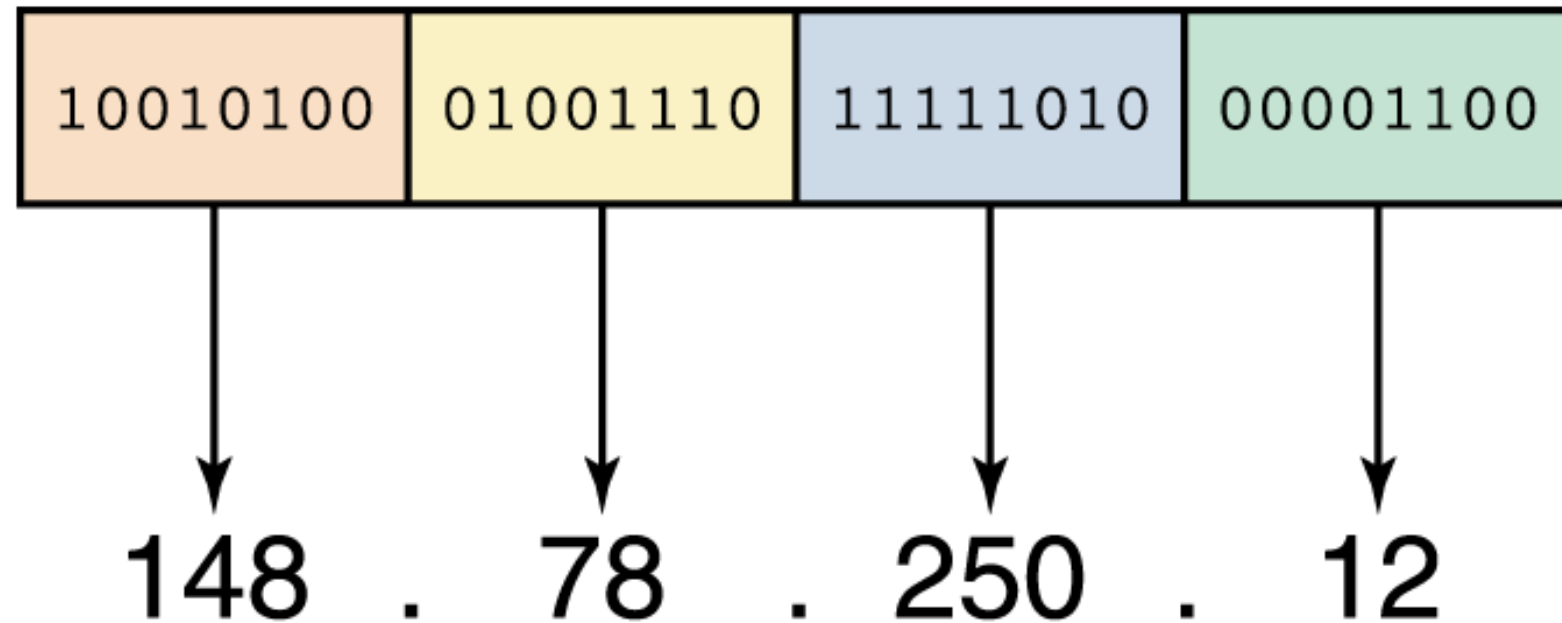
Web Development

वेब डेवलपमेंट

NOTES

IP ADDRESSES

- An **IP address** can be split into
 - **network address**, which specifies a specific network
 - **host number**, which specifies a particular machine in that network



Example IP Addresses

आईपी एड्रेस के उदाहरण

22.45.233.102

141.22.232.16

103.13.24.33

8.4.32.8

4.4.4.4

WHAT IS A DOMAIN NAME

डोमेन नेम क्या होता है?

A name which is used as a replacement of IP address in order to visit a website

वह नाम जो IP एड्रेस की जगह इस्तेमाल होता है किसी वेबसाइट तक पहुँचने के लिए

EXAMPLES OF DOMAIN NAMES

- ▶ google.co.in
- ▶ google.com
- ▶ wikipedia.org
- ▶ india.gov
- ▶ harshmalpani.in
- ▶ ilove.co.ke
- ▶ stylishweb.site
- ▶ idonotknow.science
- ▶ mydevelopment.agency
- ▶ servers.company

UNIVERSAL RESOURCE LOCATOR

<https://www.gstatic.com/policies/privacy/d1b.jpg>

https://
identifies type
of transfer

/policies/privacy/d1b.jpg
File Location on Remote Computer

www.gstatic.com
Domain Name -
name of remote computer

scheme://host:port/path/filename

WHAT IS WEB HOSTING

वेब होस्टिंग क्या होती है?

Renting a computer which will remain on 24x7 and will store your website files. It will also serve those files to all the visitors.

एक ऐसा कंप्यूटर किराये पर खरीदना जो आपके वेबसाइट की फाइल्स को 24x7 स्टोर करेगा और users को दिखाएगा

DIFFERENT TYPES OF WEB HOSTING

वेब होस्टिंग के प्रकार

SHARED
VPS
DEDICATED
CLOUD BASED
SELF SERVICE

General Features	Shared Hosting	VPS Virtual Private Server	Dedicated Hosting
Total Server Resources	Huge	Huge	Varies as per requirement
Max RAM availability	Limited (256MB – 2GB)	Moderate but limited (2GB +)	Whatever you are paying for. Typically 8GB+
Pricing	Cheapest	Economic	Expensive
Total No. of Users on Server	Huge	Limited	1
Operating System	Same for all and only 1 is there	Each VPS runs its own	Only 1

FAMOUS DOMAIN REGISTRARS AND HOSTING PROVIDERS

प्रसिद्ध डोमेन रजिस्ट्रार
और होस्टिंग प्रदाता

Godaddy.com

Namecheap.com

1and1.com

Bigrock.in

A2hosting.com

Inmotionhosting.com

Bluehost.com

Hostgator.com

Porkbun.com

Dynadot.com

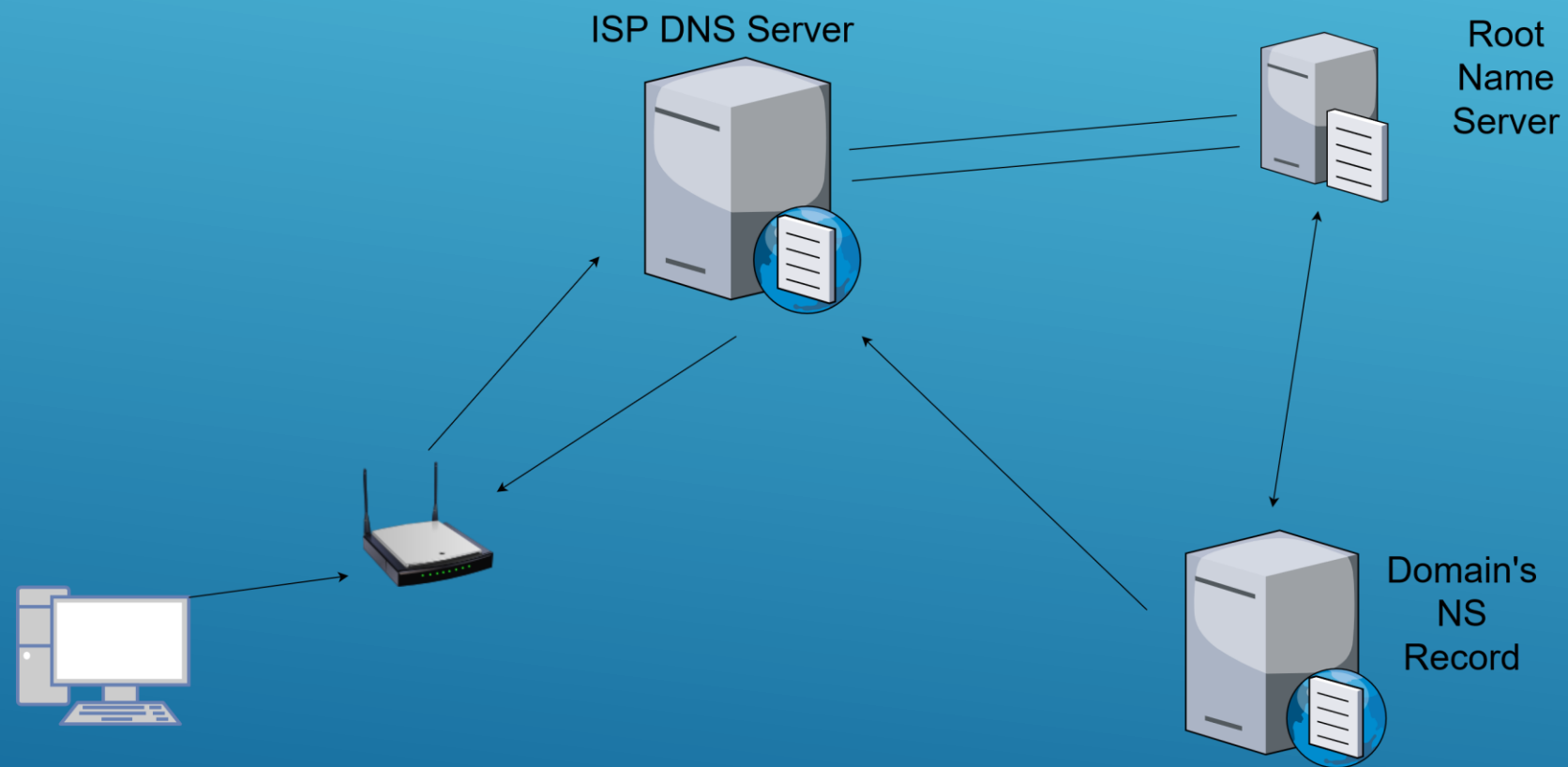
Alpnames.com

000webhost.com – FREE HOSTING

Freenom.com – FREE DOMAINS

WORKING OF DNS

डीएनएस की प्रक्रिया



How to check your IP Address?

अपना आईपी एड्रेस कैसे जाने?

Google “my ip” or go to <https://www.myip.com/>

How to check IP of any domain?

किसी डोमेन का आईपी कैसे चेक करे?

```
Command Prompt
Microsoft Windows [Version 10.0.17134.228]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\harsh>ping huppme.com

Pinging huppme.com [45.32.54.130] with 32 bytes of data:
Reply from 45.32.54.130: bytes=32 time=181ms TTL=46
Reply from 45.32.54.130: bytes=32 time=179ms TTL=46
Reply from 45.32.54.130: bytes=32 time=179ms TTL=46
Reply from 45.32.54.130: bytes=32 time=178ms TTL=46

Ping statistics for 45.32.54.130:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 178ms, Maximum = 181ms, Average = 179ms

C:\Users\harsh>
```

Use dns.google.com
Or use command prompt and type ping [domainname]
Example- ping huppme.com

Google Public DNS

RR Type

DNSSEC EDNS Client Subnet

Result for huppme.com/A with DNSSEC validation:

```
{
  "Status": 0,
  "TC": false,
  "RD": true,
  "RA": true,
  "AD": false,
  "CD": false,
  "Question": [
    {
      "name": "huppme.com.",
      "type": 1
    }
  ],
  "Answer": [
    {
      "name": "huppme.com.",
      "type": 1,
      "TTL": 299,
      "data": "45.32.54.130"
    }
  ],
  "Comment": "Response from 173.245.58.212."
}
```

You may also resolve directly at: <https://dns.google.com/resolve?name=huppme.com>.