

Why can't we access a website by its IP address?

Virtual Hosting

- ▶ Hosting multiple domain names on one server.
- ▶ Sharing resource, lowering cost.
- ▶ Name-based virtual hosting: multiple sites, same IP address.
- ▶ IP-based virtual hosting: one IP address per site, multiple physical/virtual network interface. Contributes to IPv4 address exhaustion.

Cloud Based Security Provider - for DDoS Protection and Web Application Firewall

- ▶ Cloudflare
- ▶ Cloudfront (Owned by Amazon)
- ▶ Akamai