



## DNS Server to be Launched

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The government will launch a **public Domain Name Server (DNS)** aimed at providing a faster and more secure browsing experience for Internet users in the country, while ensuring that citizens' data is stored locally.

- The main objective of bringing country's own public DNS is to **ensure availability, particularly for smaller Internet Service Providers (ISPs) who don't have credible DNS.**
- A user will be free to choose any DNS and they need not compulsorily need to shift to India public DNS.
- The DNS roll out will be **completed in the next four to six months and it will be executed by National Informatics Centre (NIC).**

### Domain Name Server

- DNS is a system which **translates the domain names entered in a browser to the Internet Protocol (IP) addresses** required to access the respective sites. E.g.:  
When one types a web address (say drishtiias.com), the Internet Service Provider views the DNS associated with the domain name, translates it into a machine friendly IP address (for example 296.199.224.70 is the IP for drishtiias.com) and directs the Internet connection to the correct website.
- It can also be termed as **Internet's equivalent of a phone book.**
- The Centre has also launched a **new email platform for all all government employees** including those in states and Union Territories.
- The new platform is an **upgraded version with enhanced in-built security features** compared to the earlier created by the **National Informatics Centre (NIC)** and has a capability to host as many as 5 million users that can be scaled up further if needed.
- These initiatives are a part of the Government's initiatives for a new and robust platform in the wake of critical digital services being delivered online requiring enhanced security to discourage cyber-attacks and a quicker site loading time.