

IP ADDRESS KYA HOTA HAI?

Har Device Ki Unique Pehchan — Part 1 | Prepared by Syed Ghous

1. IP Address Ki Definition (Bilkul Asan Alfaz Mein)

Network mein har ek device (chahe woh mobile ho, laptop ho, printer ho ya smart TV) ka ek unique number hota hai jise **IP Address** kehte hain.

IP ka matlab hota hai **Internet Protocol**. Yeh number poore network ya poori duniya mein us device ki pehchan (Identification) ke liye zaroori hota hai. Agar yeh number nahi hoga, to computer ko pata hi nahi chalega k internet se aane wala data kis device ko bhejna hai!

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2. Real Life Misaal (Aap Ke Ghar Ka Pata / House Address)

KHAT YA DELIVERY KA PATA:

Sochein Lahore mein hazaron ghar hain. Agar aap ke kisi rishtedar ne aap ke ghar koi tohfa ya khat (letter) bhejna ho, to woh lifafe par kya likhye ga? Zaahir hai, aap ke **Ghar ka Mukammal aur Unique Pata (Home Address)**.

Agar poore sheher mein do gharon ka pata bilkul aik jaisa ho jaye, to dakiya (delivery boy) pareshan ho jaye ga aur tohfa galat jagah chala jaye ga. Is liye har ghar ka pata alag hota hai.

Internet bhi ek boht bara sheher hai aur aap ke devices us ke ghar hain! **IP Address aap ke computer ya mobile ka wohi 'Ghar ka Pata' hai**, takeh YouTube ya Google jo bhi data bheje, woh seedha aap hi ke device par aaye, kisi aur ke mobile par na chala jaye!

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Cybersecurity Point of View — Part 3 | Prepared by Syed Ghous

3. Cybersecurity Mein IP Address Kiun Zaroori Hai?

Crime Investigating / Mujrim Pakadna:

Jab bhi koi hacker internet par koi galat kaam karta hai ya kisi ka account hack karne ki koshish karta hai, to cyber-police use kaise pakadti hai?

Chunky har internet connection aur device ka IP address unique hota hai, is liye police us IP address ka peecha karte hue hacker ke ghar tak pahonch jati hai! IP address internet par aap ke digital footprint (paon ke nishan) ki tarah hota hai.

Syed Ghous Ki Expert Security Tip:

"Hacker se apna asli IP Address (yani apne ghar ka pata) chhupane ke liye log **VPN (Virtual Private Network)** ka istemal karte hain. VPN aap ke asli IP address ko chhupa kar ek nakli IP dikhata hai takeh koi aap ko track na kar sakay!"