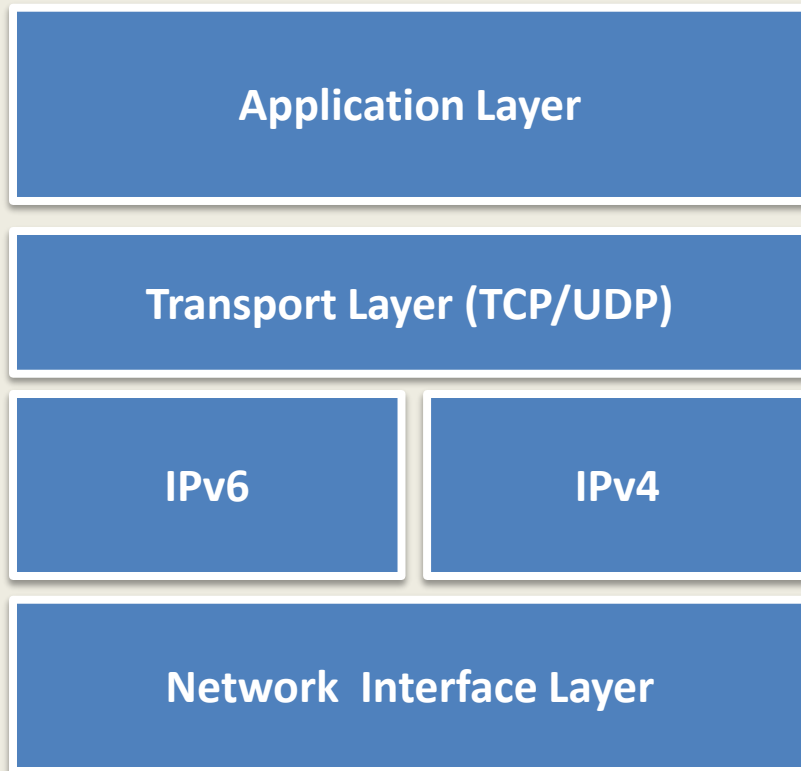


Vad IPv6 gör för säkerheten

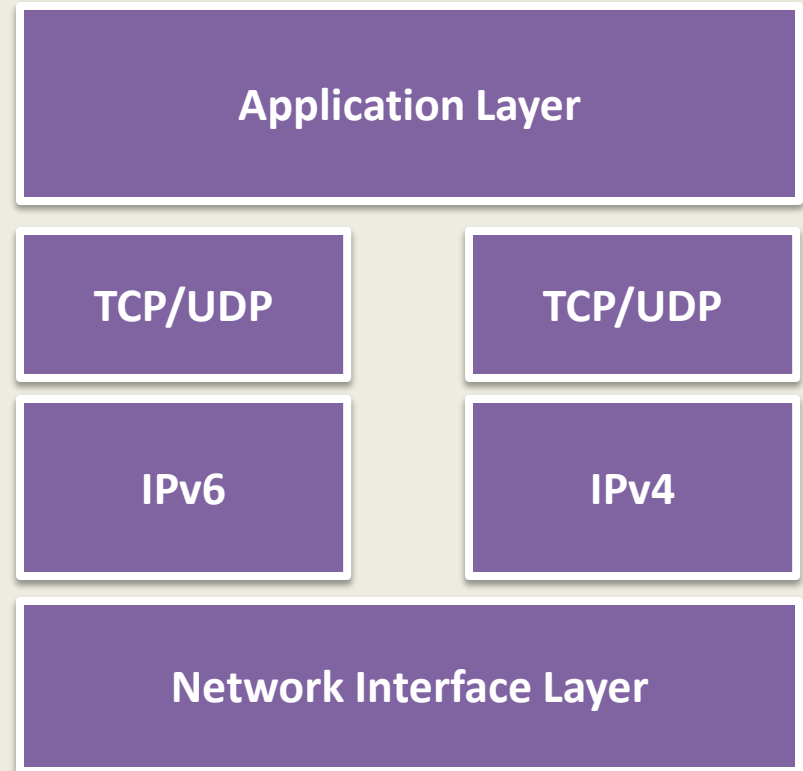
Risker med IPv6-tunnling

Hasain Alshakarti @ TrueSec

Dual IP Layer



Dual Stack



Transition technologies

- IPv6 is transition-rich
- Many topologies possible
 - Router to router
 - Host to router
 - Host to host
 - 6to4
 - 6over4
 - ISATAP
 - Teredo
 - IP-HTTPS

Types of tunnels

- Configured
 - Manual configuration of tunnel endpoints
- Automatic
 - Tunnel endpoints determined from use of routes, logical tunnel interfaces, and destination IPv6 addresses

Risks & Problems

- Any “reasonably motivated” user
- Abuse & Exposure
- Trusting the remote relay/gateway
- Split tunnelling & bypassing corp firewall
- What about Availability
- Constantly new transition mode IPv6 traffic
- What if users encrypt

Happy IPv6ing!

