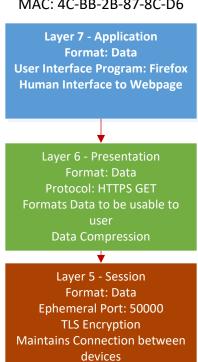


User Computer Assigned IP: 192.168.0.2 MAC: 4C-BB-2B-87-8C-D6



Layer 4 - Transport
Format: Segments
Protocol: TCP
TLS Encryption
Transmit Data / Responsible for
Reliability/Data Check Point

User Network Switch Gateway

Assigned IP: 192.168.100.2

DHCP IP: 192.168.0.1/24

MAC: DA-71-8D-39-C3-2A

Layer 2 - Data Link

Format: Frames

Interface: NIC Card/Switch

MAC Address

Ethernet II framing

Defines Format/Error Check

Layer 1 -

Physical

Format: Bits

Cat6a Cable

Layer 1 -

Physical

Format: Bits

Cat5e Cable

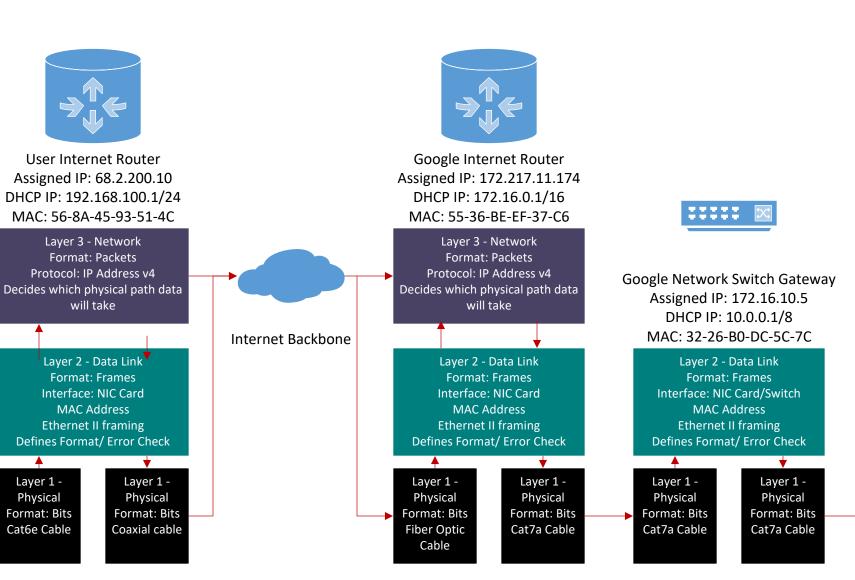
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Layer 3 - Network Format: Packets Protocol: IP Address v4 Decides which physical path data will take

Layer 2 - Data Link
Format: Frames
Interface: NIC Card
MAC Address
Ethernet II framing
Defines Format/ Error Check

Layer 1 - Physical
Format: Bits
Cat5e Cable
Transmits raw bit stream over
cable

OSI 7 Layer Model Flow Chart





Google.com Web Server Assigned IP: 10.54.251.94 MAC: 78-29-23-92-0B-BC

Layer 7 - Application Format: Data Interface Software: Apcahe Sever Interface to Webpage Layer 6 - Presentation Format: Data Protocol: HTTPS Listen Formats Data to be usable to Data Decompression Layer 5 - Session Format: Data Logical Port: 443 TLS Encryption Maintains Connection between devices Layer 4 - Transport Format: Segments Protocol: TCP TLS Encryption Transmit Data / Responsible for Reliability/Data Check Point Layer 3 - Network Format: Packets Protocol: IP Address v4 Decides which physical path data will take Layer 2 - Data Link Format: Frames Interface: NIC Card MAC Address **Ethernet II framing Defines Format/Error Check** Layer 1 - Physical Format: Bits Cat7a Cable Transmits raw bit stream over

cable

