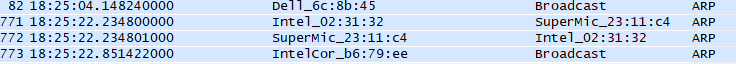
Brad Jones

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Lab 2 – Packet Capture

* Capture enough network traffic to gather instances of each of the protocols listed below:
  + ARP
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Layer 2
* What other protocols encapsulate the protocols listed above?
  + None (Ethernet maybe? Not sure if that is considered)
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? Associates IP’s to MAC addresses. Finds the next jump.
  + ICMP
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Layer 3
* What other protocols encapsulate the protocols listed above?
  + IPv4, Ethernet
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? Just data. ICMP sends error messages between hardware devices
  + IP
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Layer 3
* What other protocols encapsulate the protocols listed above?
  + Ethernet (these particular packets also contain UDP and HTTP)
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? IP is used to find and communicate the routing info.
  + TCP
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Transport layer
* What other protocols encapsulate the protocols listed above?
  + HTTPS
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? TCP sends ack’s back and forth to confirm data integrity.
  + UDP
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Transport layer
* What other protocols encapsulate the protocols listed above?
  + HTTP/XML
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? UDP provides port numbers and checksum from the destination
  + DNS
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Application Layer
* What other protocols encapsulate the protocols listed above?
  + DNS is layer 7 and runs parallel to other application layer protocols
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? DNS requests the IP lookup of Domain names.
  + HTTPS
  + 
* For each of the protocols listed above, which OSI layer does it work at?
  + Session layer
* What other protocols encapsulate the protocols listed above?
  + HTTP application data (layer 8)
* Based on the payloads and header information in each of the protocols, what appears to be the function of each of them? HTTPS is the encrypted encapsulation of http.