MAC Addresses

Media Access Control (MAC)
- Physical address of the network adapter card
- **OSI Layer 2** (Data Link) Layer Address
- **TCP/IP Layer 1** (Network Interface) Layer Address

Six bytes (48 bits), Usually Represented Hexadecimal
- First three bytes (24 bits) are assigned by the IEEE to the manufacturer
  - Organizationally Unique Identifier (OUI) assigned by IEEE (ex: Dell or HP)
- Last three bytes (24 bits) are usually assigned sequentially:
  - Unique Numbers

00:21:70:6f:06:f2   **00-21-70-6F-06-F2**

2^{24} = ~16.7 Million Unique Addresses