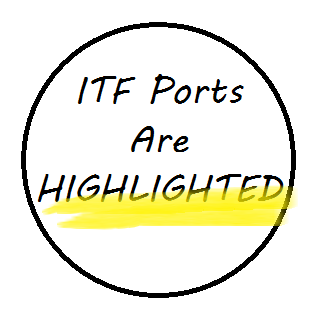
1. **FTP - File Transfer Protocol**
   1. ***tcp/20*** (active mode data)
   2. ***tcp/21***(control)

- Transfers files between systems

1. **SSH - Secure Shell**
   1. ***tcp/22***

- Encrypted communication link

-Looks and acts the same as Telnet

1. **Telnet-**
   1. ***tcp/23***

- Non encrypted communication console access

- Not the best choice to use most people wont

1. **SMTP - Simple Mail Transfer Protocol**
   1. ***tcp/25***

- Sending mail. Server to server email transfer

1. **IMAP4 - Internet Message Access Protocol v4**
2. ***Tcp143***
3. ***tcp/993 imap over ssl***
4. **POP3 - Post office Protocol version 3**
   1. ***tcp/110***
   2. ***tcp/995 POP3 over SSL***
5. **DNS - Domain Name System**
   1. ***udp/53***
6. **HTTP & HTTPS - HyperText Transfer Protocol/Secure**
   1. ***tcp/80*** HTTP - Web Server Communication
   2. ***tcp/443*** HTTPS - Web Server Communication with encryption
7. **RDP - Remote Desktop Protocol**
   1. ***tcp/3389***
   2. Share a desktop from a remote location, Remote Desktop services on many window versions, Can connect to an entire desktop or just an application. Client for Windows macOS, Linux, Unix, iPhone, Android, and others.
8. **SMB - Server Message Block-tcp/445**
   1. File sharing, printer sharing
   2. Also called CIFS (Common Internet File System)
9. **AFP - Apple Filing Protocol**
   1. File services in macOS tcp/548
10. **DHCP - Dynamic Host Configuration Protocol**
    1. ***udp/67, udp/68***
    2. Automated configuration of IP address, subnet mask and other options
    3. Requires a DHCP server which is a server appliance that is usually integrated in a SOHO router etc. Server can recognize MAC addresses
    4. Uses DORA process to assign IP addresses
11. **LDAP - Lightweight Directory Access Protocol**
    1. ***tcp/389***
    2. Store and retrieve information in a network directory/Commonly used in Microsoft Active Directory
12. **SNMP - Simple Network Management Protocol**
    1. ***udp/161*** for Queries
    2. ***udp/162*** Traps
    3. Receive information about the network etc.
13. **NTP -**
    1. ***tcp/123***
14. Net bios is tcp/137