

Computer Know How Series

Presented by Adam Lacey ([Applications Etc.](#)) 916-813-7819

Terminology – Thursday March 9th 2017 @ 2pm

<http://www.aehost.net/morpd> or <http://www.morpd.com>

- 1) Know Your Environment
 - a. Computer Hardware and Software? Mobile Devices Hardware and Software?
 - b. Network equipment names and functions?
 - c. ISP (_____) and Services/Speed provided?
 - d. Online/Internet Accounts (Microsoft, Google, Apple, Amazon, eBay, Paypal, Banks, etc.)?
- 2) Hardware
 - a. Form Factors – Desktop, Laptop/Notebook, 2n1, Tablet, Smartphone, etc.
 - b. Computer devices – Motherboard, CPU, Memory, Drive/Storage (HDD/SSD), NIC, Modem, etc.
 - i. Input and output devices – Keyboard, Mouse, Monitor, Printer All-in-One (AIO), etc.
 - c. Mobile Devices – Apple, Samsung, etc & Mobile Broadband (GPRS, Edge, 3G, 4G, 4G LTE).
 - d. Network Devices – Modem, Router, Switch, Access Point (Wi-Fi 802.11b/a/g/n/ac), etc.
 - e. Audio/Visual Devices – DVR/NVR, TV, DVD, Blu-Ray, HDMI, RGB, Component, Composite, etc.
 - f. Home Automation – Thermostat, Locks, Lights, Smoke/Carbon Dioxide/Monoxide Detectors, etc.
- 3) Software/Firmware
 - a. BIOS (Basic Input Output System), CMOS (Copper Metal Oxide Semiconductor), POST (Power On Self-Test), MBR (Master Boot Record), UEFI/EFI (Unified Extensible Firmware Interface)
 - b. Operating System – DOS (_____), Microsoft Windows, UNIX (Linux, BSD, RedHat, Ubuntu, etc), Apple OS X / macOS and iOS, Google Android, Windows Phone.
 - i. Microsoft Windows – Desktop, Start Button/Menu, Taskbar, System Tray, Notification Icon, Desktop Icon, Active/Inactive Window, Theme, Desktop Background, etc.
 - ii. Apple OS X – Desktop, Apple Menu, Menu Bar, Status Bar, Spotlight Search, Notification Icon, Dock, Alias, etc.
 - c. Languages – Visual Basic, C, C#, C+, C++, HTML, Java, Java Script, PHP, SQL, Perl, etc.
 - d. Protocols – TCP/IP (_____/_____), UDP, DNS, DHCP, etc.
 - e. Window Construction – Title Bar, Address Bar, Border/Frame, Control Buttons, Menu Bar, etc.
 - f. Software type/classification – web browser (HTML interpreter), email engine, document processor, spreadsheet, presentation, calendar, financial applications, etc.
 - g. PC file extensions – doc/docx, xls/xlsx, ppt/pptx, txt, exe, drv, src, dll, zip, pdf, iso, etc
 - h. Apple/Mac file extensions – DMG, ZIP, JPG, PDF, etc.
- 4) Online/Internet
 - a. Web Browser - URL (Uniform Resource Locator), Domain Name, Hostname, Upload/Download.
 - b. Email Engine – Webmail (email via web browser), Local application (Outlook, Mail, etc).
 - c. Protocols – HTTP, HTTPS, FTP, SMTP, POP, IMAP, EAS, SSL, TLS, etc.
 - d. Troubleshooting – OSI (Open Systems Interconnection) Model & TCP/IP Model
- 5) Measurements
 - a. Hertz (Hz)(Refresh/Cycle per sec), Bit (b), Byte (B), Kilo (K), Mega (M), Giga (G), Tera (T), Peta (P)
 - b. Resolution – Screen (640x480, 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080, 4K), Aspect Ratio (Standard 4:3, Wide 16:9, Cinema, Ultra-Wide Screen), Print DPI (150,300,600,1200)
 - c. Network – Bandwidth/Speed and Latency/Delay – DSL, Cable, Fiber, Wireless, Satellite

6) Links/Resources

- a. Basic Computer Terminology- http://www.zerocut.com/tech/c_terms.html
- b. Acronym Finder - <http://www.acronymfinder.com/>
- c. Tech Terms - <https://techterms.com/>
- d. PC Glossary - <https://pc.net/glossary/>
- e. Computer Hope - <http://www.computerhope.com/jargon.htm>
- f. Microsoft Glossary of UI Terminology - [https://msdn.microsoft.com/en-us/library/windows/desktop/bb226821\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/bb226821(v=vs.85).aspx)
- g. Apple Screen Layout - <https://support.apple.com/en-us/HT201956>
- h. Data Measurement Chart - <http://www.wu.ece.ufl.edu/links/dataRate/DataMeasurementChart.html>
- i. Speed Test – <http://www.speedtest.net> or your ISP Speed Test site
- j. Search Engine – <https://www.google.com>, <http://www.bing.com>, <http://www.yahoo.com>