

## Mnemonics to help you memorize those network trivia

I hope the mnemonics below will help you to remember the ridiculous amount of technical trivia that we have to reproduce on (Cisco) Network related exams;

### ISO/OSI

One of many mnemonics to remember the 7 layer ISO/OSI model, I honestly can't recall who told me about this one first:

**"All People Should Talk Networks During Parties"**

Short for: **A**pplication **P**resentation **S**ession **T**ransport **N**etwork **D**atalink **P**hysical - Layer

Another one that might be easier to remember the ISO/OSI 7 layers:

**"Please Do Not Touch Superman's Private Areas"**, - if that's your kind of thing..

→ of course, this sums up the 7 layers in reverse order so from bottom to top.

### EIGRP

To remember the 5 potential EIGRP metrics:

**BANDERELOMAX**

Short for: **B**andwidth **D**elay **R**eliability **L**oad **M**aximumTransmission Unit

My mentor Remmert first told me about this one, it sums up the EIGRP metrics in the proper order for redistribution into OSPF as well

### BGP

Another can of worms seem to be the endless number of rules that BGP goes through in trying to determine the *best* route. This mnemonic is not complete, and then there is the difference between iBGP and eBGP etc.. but the most important rules of the Cisco BGP algorithm are in here:

**We Love Oranges As Oranges Mean Pure Refreshment**

Short for: **W**eight(highest) **L**ocal-preference (highest) **O**riginated locally **A**utonomous system path (shortest) **O**igin(i>e>?) **M**edia Exit Discriminator ("metric", lower is better) **P**ath (External before Internal) **R**outer-ID (lower is better)

I learned this once in a course and it stuck to mind.

### IPsec – IKE phase 1 / ISAKMP

To remember the 5 parameters that will need to be tuned for IKE phase 1 / ISAKMP:

**HAGLE**

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Short for: **H**ashing **A**uthentication **G**roup (DH-group) **L**ifetime (key) **E**ncryption

This mnemonic I encountered while viewing a Keith Barker presentation on youtube about IKE phase 1 negotiations: <https://www.youtube.com/watch?v=oTcicLggyY>

### MQC / COPP control plane policing

Anything that involves QoS seems hard, so here is a mnemonic to remember the steps to take in order to configure MQC for control plane policing:

**A**ll **C**onsumer **P**Cs Suck **M**ajor

Short for: **A**CL **C**lass- **P**olicy- **S**ervice-policy **M**AP

This one isn't very strong as I came up with this myself. I vigorously support the statement though as cheaper Windows PC's have given me soooooo much grief over the years.

### Syslog levels

This mnemonic again may not be strong but I just needed SOMETHING to force the Syslog levels into my aging brain with. Talk about a waste of memory space..

**E**at **A**pple **C**ider **E**ven **W**hen **N**ot **I**n **D**ublin

Short for: **E**mergency(0) **A**lert(1) **C**ritical(2) **E**rror(3) **W**arning(4) **N**otification(5) **I**nformation(6) **D**ebug(7)

I know you are supposed to DRINK and not *eat* Apple Cider, but as I lived in Dublin for a few years, I wanted to mention the city I loved so much.

If you have any more useful mnemonics, feel free to send them to me!

Cheers..!