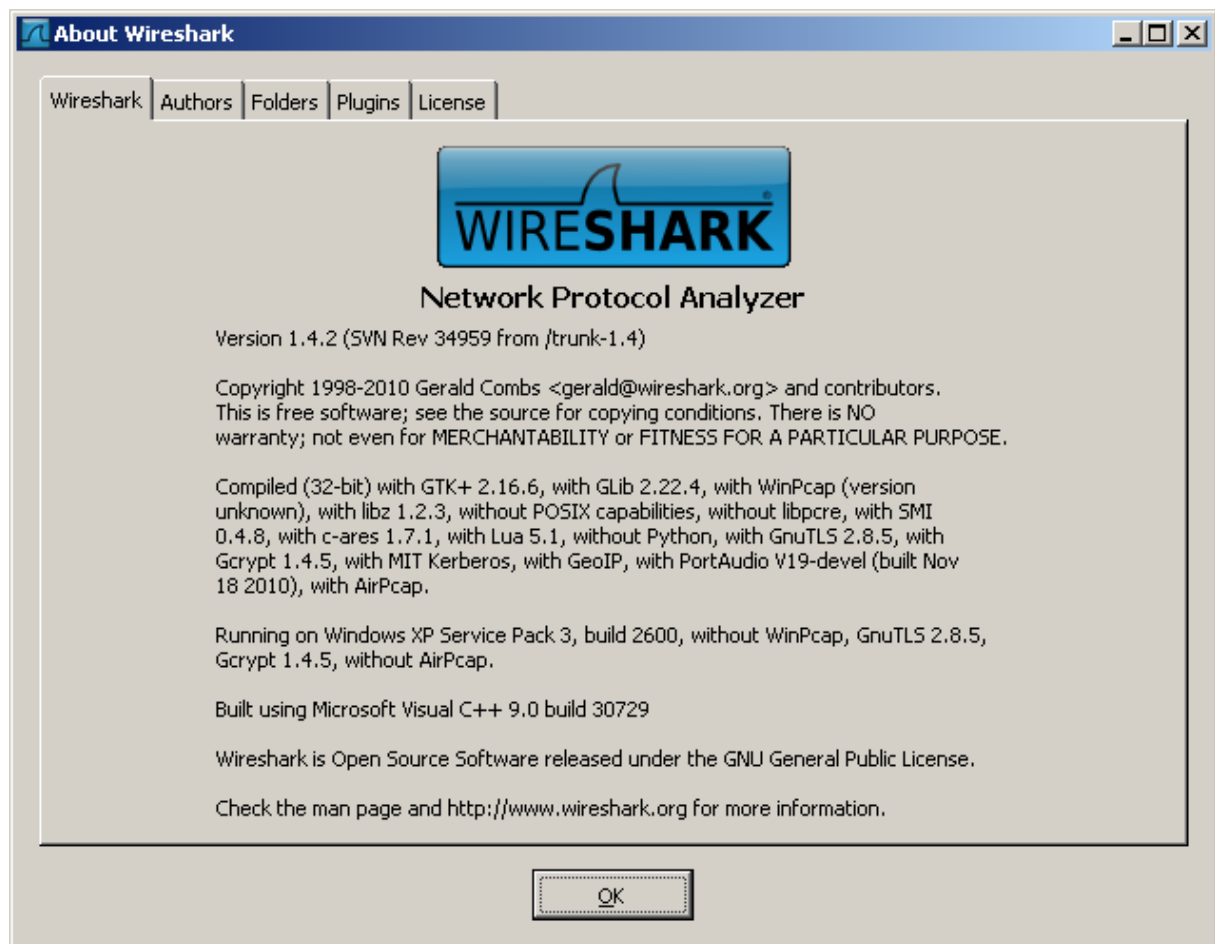


Wireshark Version:



The Problem with wrong decode:

The image shows a Wireshark capture of a packet titled "1731_CCM_TLV_Port_blocked.pcap - Wireshark". The packet list shows 10 Type Continuity Check Message (CCM) packets. The packet details pane for the first packet (Frame 1) shows the following structure:

- Frame 1: 104 bytes on wire (832 bits), 104 bytes captured (832 bits)
- Ethernet II, Src: Performa_00:00:01 (00:10:94:00:00:01), Dst: TimetraN_41:ed:a4 (00:03:fa:41:ed:a4)
- 802.1Q Virtual LAN, PRI: 7, CFI: 0, ID: 10
- 802.1Q Virtual LAN, PRI: 0, CFI: 0, ID: 100
- CFM EOAM 802.1ag/ITU Protocol, Type Continuity Check Message (CCM)
- CFM CCM PDU
 - Flags: 0x04
 - First TLV offset: 70
 - Sequence Number: 0
 - ...0 0000 0000 0001 = Maintenance Association End Point Identifier: 1
 - Maintenance Association Identifier (MEG ID)
 - MD Name Format: No Maintenance Domain Name preset (1)
 - Short MA Name (MEG ID) Format: ICC-based Format (32)
 - Short MA Name (MEG ID) Length: 13
 - Short MA Name: 31323334353637383930313233 (highlighted with a green circle)
 - Zero-Padding
 - Defined by ITU-T Y.1731
- CFM TLVs

The packet bytes pane shows the raw data. A red circle highlights the first 13 bytes of the Short MA Name field: 31 32 33 34 35 36 37 38 39 30 31 32 33. A black circle highlights the next 19 bytes: 12 34 5 6 7 8 9 0 1 2 3. The status bar at the bottom indicates "Short MA Name (cfm.maid.ma.name), 13 bytes".

We setup a test and sniffer the Ethernet OAM PDUs. We configure the systems with the MEG ID: 1234567890123 (see the black cycle).

The red cycle is ok, too.

But the decode in the green cycle is wrong, I suppose. Their shut be written the content of the black cycle and not the content of the red one.

The Table VI.1 comes from the ITU-T recommendation Y.1731.
There is written that short MA name is not the same then MEG ID.

The relationship of the terminology used in this Recommendation and [IEEE 802.1ag] is captured below.

Table VI.1 – Terminology mapping

Y.1731 term	802.1ag term	Comments
MEG	MA	
MEG ID	MAID (domain name + short MA name)	Unlike 802.1ag, the MEG ID does not imply a split between domain name and a short MEG name in this Recommendation.
MEG level	MA level	

But this is not so imported.