10/24/23, 7:17 PM TPKT



## **TPKT**

# ISO transport services on top of the TCP (TPKT)

"Emulate" ISO transport services COTP on top of TCP. The two major points missing in TCP (compared to COTP) are the TSAP addressing and the detection of packet boundaries on the receiving host. See the IsoProtocolFamily page for an overview.

### History

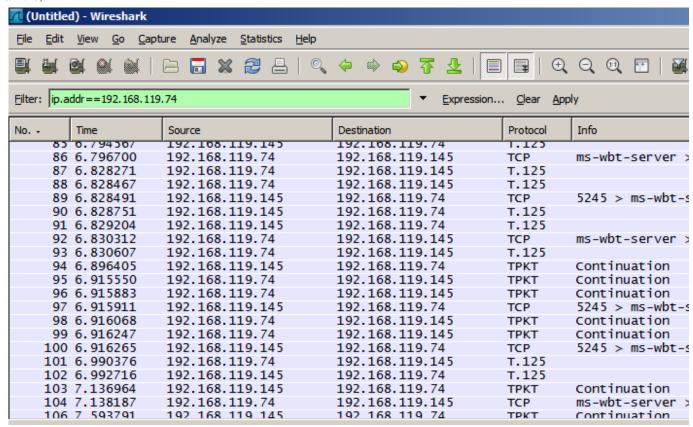
As TCP becomes more and more popular (around 1995?), a mechanism was needed to encapsulate ISO services on top of TCP transport, as both protocols have similiar tasks and COTP was becoming obsolete these days.

## **Protocol dependencies**

• TCP: Typically, TPKT uses TCP as its transport protocol. The well known TCP port for TPKT traffic is 102.

# **Example traffic**

10/24/23, 7:17 PM TPKT



#### Wireshark

The TPKT dissector is fully functional.

#### **Preference Settings**

\* Wether TPKT packets spanning multiple TCP segments should be reassembled or not, for VoIP traffic this setting is essential.

#### Example capture file

XXX - Add a simple example capture file to the SampleCaptures page and link from here. Keep it short, it's also a good idea to gzip it to make it even smaller, as Wireshark can open gzipped files automatically.

#### **Display Filter**

A complete list of TPKT display filter fields can be found in the display filter reference

Show only the TPKT based traffic:

tpkt

2/3

10/24/23, 7:17 PM TPKT

# **Capture Filter**

You can filter TPKT protocols while capturing, as it's always using TCP port 102.

Capture only the TPKT based traffic (you will only see TPKT, but not additions like the corresponding ARP packets):

tcp port 102

#### **External links**

- RFC1006 ISO Transport Service on top of the TCP Version: 3, based on ISO 8073 which is available as RFC905
- RFC2126 ISO Transport Service on top of TCP (ITOT)

#### Obsolete:

• RFC983 ISO Transport Services on Top of the TCP

### Discussion

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https://wiki.wireshark.org/TPKT 3/3