

PAW

About CCAMP

Common Control and Measurement Plane

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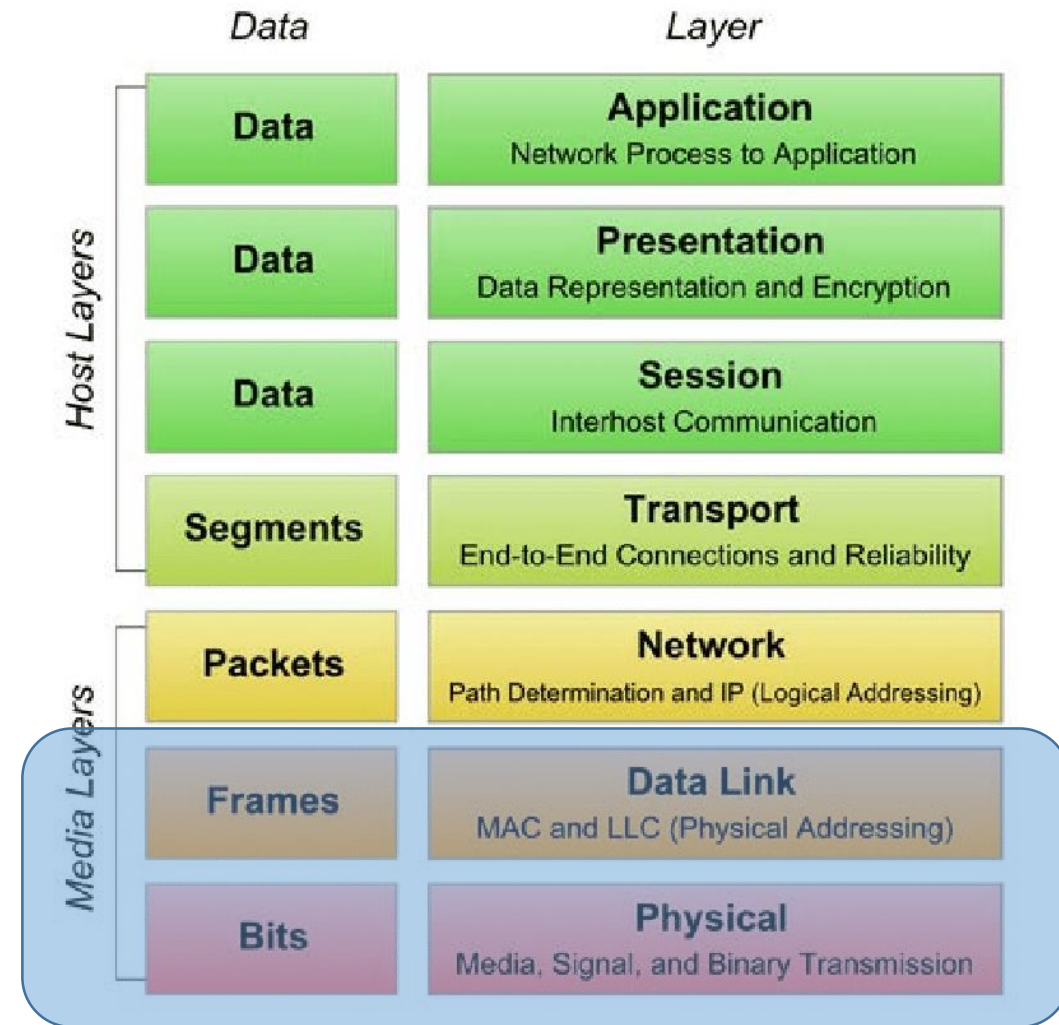
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What is CCAMP?



The CCAMP working group is responsible for standardizing a common control plane and a separate common measurement plane for **non-packet technologies** found in the Internet and in the networks of telecom service providers (ISPs and SPs). Examples of the devices in such networks include photonic **cross-connects**, **OEO switches**, **ROADMs**, **TDM switches**, **microwave links**, and **Ethernet switches**.

In this context, measurement refers to the **acquisition and distribution of attributes** relevant to the setting up of tunnels and paths.



CCAMP work



- Extensions to core Traffic Engineering protocols for the non-packet technologies (L0-L1-L2)
 - ISIS-TE, OSPF-TE, RSVP-TE, LMP
- LMP (Link Management Protocol) ownership
 - It is a protocol that runs between a pair of nodes and is used to manage TE links. Specifically, LMP will be used to:
 - Maintain control channel connectivity
 - Verify the physical connectivity of the data links
 - Correlate the link property information
 - Suppress downstream alarms, and localize link failures for protection/restoration purposes in multiple kinds of networks.
- YANG models for non-packet technologies
- SDN technology specific extensions (mostly YANG models for topology and services)