About CCAMP

Common Control and Measurement Plane

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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, ROADM, 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)