

Miscellanea

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1. ComSigArg Module Description

ComSigArg module is interface between signaling protocol and MPLS management module. Because it is efficient to provide the common internal signaling interface to two signaling protocol to access MPLS management module, we design and implement common internal signaling interface, ComSigArg.

LSP signaling information of two signaling protocol is converted into common internal signaling information. And this information is delivered to MPLS Management module in order to do proper signaling related functions.

In order to convert the signaling protocol information into common internal signaling, there are several converting functions. In case CRLDP, it is converted from the received CRLDP signaling message and in case of RSVP-TE, it is converted from the both Path and Resv Messages.

Figure 1 shows the block diagram between the signaling protocol of MPLS and MPLS management module. Internal Signaling Interface module is located between the Signaling protocol and MPLS management module and performs interface functions.

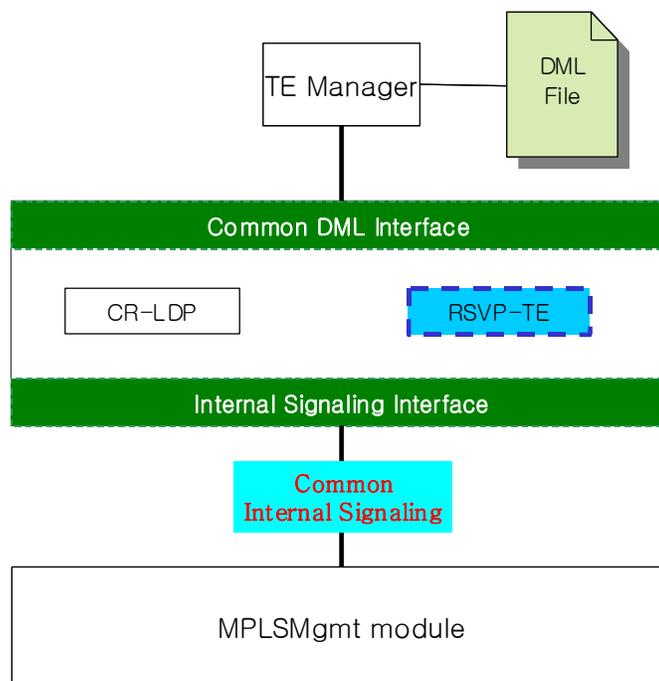


Figure 1 Common Internal Signaling

2. Common DML Interface

Because two signaling MPLS signaling protocol require the different format of information from the DML file it is efficient to support interface module that translate the DML information into protocol-specific information. In order to support these translation functions we design and implement the Common DML interface module.

This module read the LSP configuration data from the DML file and composes the LSP setup information. According to the specific signaling protocol, this module translates the configured LSP setup information into proper protocol-specific information and delivers it to the signaling protocol module.