

EFFICIENT LSP PROTECTION METHOD BASED ON RSVP-TE DYNAMIC TUNNEL

ABSTRACT

An efficient LSP protection method based on an RSVP-TE dynamic tunnel, relating to the field of data and IP transmission devices. The method comprises: using a loose route constraint to establish a main LSP, and establishing a standby LSP automatically or by means of the loose route constraint, so as to form main and standby LSP protection; after a main LSP link fails, switching a service to the standby LSP, establishing a new main LSP and ensuring that paths of the new main LSP and the standby LSP do not completely overlap, and forming new main and standby LSP protection; and after a standby LSP link fails, re-establishing a new standby LSP and ensuring that paths of the new standby LSP and the main LSP do not completely overlap, and forming new main and standby LSP protection with the main LSP. According to the present invention, when main and standby LSPs both fail in a link, main-standby switching can still be performed, so that service interruption is avoided, and the efficiency of the main and standby LSP protection is improved.

[FIG. 1]