Abstract

In this paper, mainly concentrate on reduce the burst loss and Non-availability of wavelength in network; proposed an overlay model known as Fault Tolerant Overlay Network (FTON) which improves the performance of a regular IP electronic network. An FTON is created over the existing network; an FTON node collects the information about the underlying network periodically. Whenever a fault occurs in the underlying network, and in case of non availability of required wavelength, FTON nodes generate an alternate path to route the bursts. This proposed work extends the resilience concept to the Optical Burst Switched Network.

References

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Multipath Global Rerouting for Fault Tolerant Overlay Network (FTON) in Labeled Optical Burst-Switching


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Index Terms

Computer Science
Communication Systems

Keywords
Burst dropped  Fault Tolerant  IP-over-WDM  OBS  QoS  Resilience