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Data routing and remote protocol analysis using the TETHRA system

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Abstract: This paper focuses on describing the data routing techniques and their applications to remote protocol analysis, of a digital equipment capable of acting as a bridge between a plesiochronous digital hierarchy and a Fast-Ethernet network. The paper also describes aspects related to the design and implementation of this device, named TETHRA (an acronym of TDM over Ethernet Router and Analyzer), which is capable of routing data contained in the received time-division multiplex (TDM) frames towards equipments connected to the Fast-Ethernet network, and vice-versa, in a transparent and flexible manner.

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