BAB V

KESIMPULAN

1. Pada frame relay berlaku mekanisme *bandwidth-on demand*, yang menunjang efektifitas dari frame relay. Dengan mekanisme ini, bandwidth tidak langsung dialokasikan pada jalur sampai ada data yang dikirim. Bila ada data yang akan dikirim, maka bandwidth akan dialokasikan pada pengirim. Proses pengiriman data melalui ini hanya terjadi pada layer 1 dan layer 2 saja, tidak ada proses pada layer 3 dan diatasnya.
2. Besarnya kecepatan yang digunakan mempengaruhi prosentase waktu tunda sentral terhadap waktu tunda jaringan secara keseluruhan. Waktu tunda yang mempunyai pengaruh terbesar terhadap waktu tunda jaringan adalah waktu tunda transmisi dan waktu tunda antrian.
3. Waktu tunda sentral pada kecepatan 2 Mbps lebih tinggi dibandingkan dengan kecepatan 64 kbps, dikarenakan data atau informasi yang dikirim lebih cepat sampai pada suatu node, karena waktu tunda transmisi dan antriannya kecil.
4. Dari perhitungan waktu tunda pada saat mencoba mengirim data atau informasi melalui jaringan frame relay, terlihat bila kecepatan akses pada frame relay makin tinggi, maka waktu tunda transmisi dan waktu tunda antrian makin kecil, ditinjau dari pengambilan kecepatan minimum dan maksimum akses, yaitu 64 kbps dan 2 Mbps, sehingga dengan demikian

frame relay layak diaplikasikan pada jaringan data yang membutuhkan kecepatan akses tinggi.

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FrameAccess

Highlights

The FrameAccess product family are small, high performance, multiprotocol, fast packet frame relay access switches. Targeted for low-cost access to public or private frame relay networks, they provide network access that combines IP switching with frame relay. Designed to support one or a few remote-office applications, they consolidate data services including LANs, frame relay, SNA, X.25, voice and video onto a single network, and provide:

- high-performance frame switching
- public or private frame relay trunking capability
- real-time remote configuration & management
- automatic alternate path selection for mission-critical data
- enables use of cost-effective frame relay services for switched-IP networks
- compatibility with Simple Network Management Protocol (SNMP)

FrameAccess devices provide switched network access with user-definable Quality of Service (QoS) levels to support a broad range of applications, delivering significantly better performance and greater flexibility than traditional FRADs or routers. The FrameAccess delivers high performance in a compact, cost-effective package, making it an ideal solution for small- to medium-size locations. FrameAccess products increase the leverage of the FrameNet product family in delivering high-performance, cost-effective enterprise networks.

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FrameSwitch

Highlights

The FrameSwitch product family of frame/cell relay switches provides powerful and cost effective switching over public, private and hybrid frame relay networks. Designed to support consolidated enterprise networking at central sites or at larger regional switching centers, they provide:

- high-performance frame relay switching
- public or private frame relay trunking capability
- real-time remote configuration & management
- automatic alternate path selection for mission-critical data
- enables use of cost-effective frame relay services
- compatibility with Simple Network Management Protocol (SNMP)

FrameSwitch products apply dynamic bandwidth management, congestion control and user-selectable Quality of Service (QoS) to multimedia applications. These products switch multiple applications on a single consolidated virtual network, providing high-performance, cost-effective switched communications in a compact, scalable package. FrameSwitch products increase the leverage of the FrameNet product family for delivering efficient enterprise networks.

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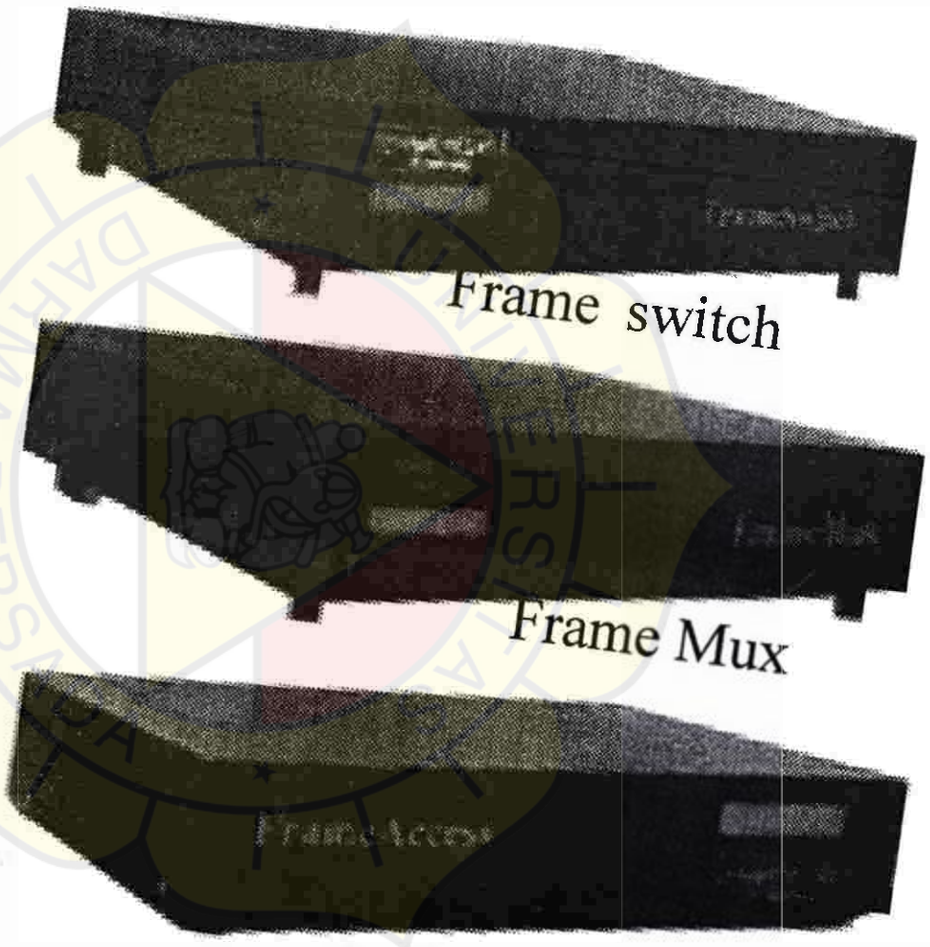

Frame switch

Frame Mux

Frame Access