TATA COMMUNICATIONS

TAKING YOU FARTHER™

WAN Ethernet

Point to Point Configuration Fact Sheet

Point to point configurations from Tata Communications offer all the flexibility of Ethernet together with the security of a private line, providing enterprises with a more robust alternative to traditional Layer 1 connectivity.

Point to Point

A point to point configuration provides connectivity directly between two points, the same as a traditional Layer 1 service (see Figure 1). Using a series of point to point circuits, an enterprise can build its own private network, connecting all of its sites worldwide.

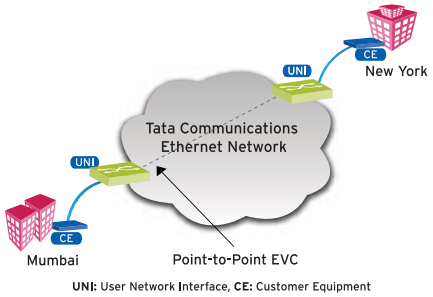

Figure 1. Point to point configurations provide direct connectivity between two locations.

Point to point Ethernet offers far greater flexibility than a Layer 1 service. For instance, Ethernet offers more granularity, so that users need only purchase specific bandwidth required, rather than large "slabs" that may only be partially used. While Ethernet service quality is equivalent to Layer 1 service quality, only Ethernet provides measurable packet Service Level Agreements (SLAs). What's more, Ethernet ports are less expensive and more flexible than Layer 1 ports. Finally, Ethernet offers greater operational flexibility than Layer 1 service, allowing upgrades without service interruption.

Point to Point Services Offered by Tata Communications

Global Dedicated Ethernet This service features a global reach, ring protection, a transparent pipe, a single priority service with frames forwarded in the order received, and choice of protected or unprotected circuits. For complete details, refer to the data sheet on this service.

National Dedicated Ethernet Currently available in India, this service features ring protection, a transparent pipe, and a single priority service with frames forwarded in the order received. For complete details, refer to the data sheet on this service.

Priority Ethernet This service features mesh protection for ensuring continuity of service in the event of a regional disaster (multiple global connections for alternative connectivity), as well as a choice of multiple classes of service on a single platform and interclass bursting. For complete details, refer to the data sheet on this service.

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Best Applications for Point to Point Configurations

Ideal applications for point to point configurations are those where strong security is desired or required. For instance, a government agency may need to comply with stringent security requirements yet also need the flexibility of Ethernet to comply with budget constraints. Ethernet can be used to communicate between two locations–a point to point configuration will enable the agency to satisfy both needs.

Enterprises may also utilize point to point services to develop and deploy their own global private networks. For instance, a software company may purchase point to point circuits between its engineering center in North America, its service center in India, and its distribution centers in Europe. Deploying the necessary equipment to link these circuits internally, the enterprise creates a robust private network to facilitate seamless business operations.

Did You Know?

Classes of service (CoS) enable customers to prioritize their traffic. Delay-sensitive data can be transmitted first as CoS1. Other high priority data may be carried as CoS2 or CoS3 and arrive in a timely manner. If network congestion occurs, the network responds by reducing traffic beginning with CoS4.

For more information on Ethernet Point to Point, please visit:
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