



Flexible Protection
Always-On Reliability

Pacnet SmartTransport Private Line Services

Network disruptions are unavoidable. Accidents, forces of nature and random events can cause network outages which could severely impact your business by way of decline in profits and productivity, missed business opportunities and loss of business confidence. To ensure network performance and availability, carriers and large enterprises need a more resilient network capable of delivering higher level of customized protection over private line circuits.

To create a more resilient backbone and ensure availability and performance of business critical applications, carriers and large MNCs often resolve to buying multiple unprotected private line circuits over different cables. Besides increasing your connectivity costs, this measure adds complexity to your network infrastructure, further escalating your network management costs. The more simple and cost efficient approach is to leverage flexible private line protection configured according to your needs and capable of delivering the secure and dedicated capacity you require.

Because Pacnet owns the highly resilient cable system EAC-C2C in Asia, it is uniquely positioned to offer you a wider range of protection schemes to suit your varying resiliency and performance requirements. Pacnet SmartTransport Private Line Services, a new offering under the Pacnet Global International Private Line (IPL) and Pacnet Global Ethernet International Private Line (EIPL) product suites, leverages Automatic Switching Optical Network (ASON),

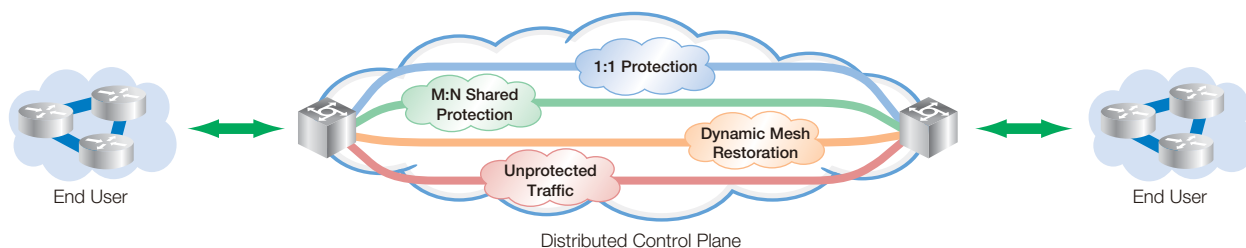
which allows us to provide different layers of resiliency for different groups of services running across the same network.

With Pacnet SmartTransport, you can benefit from predictive performance of dedicated capacity to meet your bandwidth demands, highly secure transport to support your mission critical applications, and a variety of protection schemes to prepare you for any network disruptions and help you to recover quickly from downtime.

Intelligent Transport – Driving Unparalleled Performance and Resiliency

Pacnet SmartTransport is riding on our unique meshed Synchronous Digital Hierarchy (SDH) infrastructure, which enables us to build an easier to manage yet highly flexible network to deliver intelligent network protection at the circuit level.

TECHNICAL DESCRIPTION



Pacnet SmartTransport Private Line Services create selected cable paths by utilizing the selected segments of Pacnet's wholly-owned EAC-C2C network, which provides different levels of resiliency for different traffic running on our network.

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Four Paths to Optimum Resilience and Guaranteed Performance

To ensure performance and availability of traffic that runs across our network, Pacnet SmartTransport Private Line Services offer customizable paths for both “worker route” or the path in use, and “protected route” or the path where traffic is reverted in the event of a failure.

Pacnet SmartTransport offers:

1:1 High Speed Protection

Delivers high level of availability and expected latency in both worker and protected routes by transmitting information through both paths with a selector at the end of the destination choosing the best signal for your services. In the event of a failure, the selector simply diverts the traffic to the secondary path and automatically switches it back to the original path when the failure has been resolved. It guarantees blazing speed recovery in less than 50 milliseconds.

Auto Reroute

Offering cost effective mesh restoration, Auto Reroute performs service restoration while network capacity is available. Supporting a single path, it calculates, sets up and creates an alternate path when the original path fails. Restoration can take place in seconds when sufficient capacity is available. Traffic reverts to the original path when the failure has been fixed.

M:N Shared Protection

This shared protection circuit offers flexibility in protection subscription, allowing you to avail one protected circuit for two (2) or three (3) circuits over the same city pairs. If one of the worker route fails, M: N Shared Protection diverts traffic to the protection route and switches it back to the worker route as soon as the fault is resolved. Protection becomes available as soon as the circuit is successfully reverted.

Unprotected

Offering the lowest cost connectivity to support non-mission critical traffic, unprotected route offers customers the option to seamlessly upgrade the service to different protection schemes or perform manual restoration if required. Unprotected Route builds one path for a single service which switches off in the event of failure and resumes immediately as soon as the fault is restored. This route delivers the same set of network capacity as protected service helping you to maximize your capacity utilization so you can save cost and enhance your profitability.

Pacnet SmartTransport Feature Table

	Features	Dedicated Protection path	< 50msec restoration	SLA POP-to-POP Availability	SLA Prem-to-Prem Availability	SLA - Latency
1:1 Protection	High availability network connection at predictable performance	○	○	○	○	○
M:N Protection	Flexible subscription of level of protection for multiple network connection	○ (Shared)		○	○	○
Auto Reroute	Cost effective option for minimum network protection			○	○	
Unprotected	Lowest cost option for network			○		