

## IP Backhaul

AGGREGATION SERVICES

### HIGHLIGHTS

**Private Nationwide IP Network**—Leverage the MegaPath private nationwide IP network infrastructure for delivering high priority IP services

**Increased Efficiency**—Only customer designated IP traffic is delivered to the IP Backhaul interconnection, maximizing the full capacity of the IP Backhaul service

**Enhanced End User Experience**—End-to-end QoS and CoS to drive a predictable end user experience

**Grow as You Go**—Incremental bandwidth (from 100 Mbps to 1 Gbps) that fits your needs

**National Presence**—Redundancy options for mission-critical network deployments

**High Availability**—Connect with MegaPath at IP POPs nationwide

**Flexible Billing Options**—Choose the fee structure that best meets your needs today and into the future

Use MegaPath IP Backhaul to bypass the public Internet and deliver a superior end user experience for quality and delay-sensitive services like voice and video.

IP Backhaul Aggregation Service provides a scalable high-speed connection to the MegaPath private, nationwide IP network as a platform for delivering high availability and predictable quality services to end users, and avoids the unpredictability of exposing those services to the public Internet.

**EXPAND AND SAVE.** MegaPath Gigabit Ethernet, with capacity up to 1.0 Gbps, provides Ethernet-based connectivity between the MegaPath network and your network.

Border Gateway Protocol (BGP) is used to transport IP traffic only to the routes advertised by the customer, maximizing the full capacity and efficiency of the IP Backhaul interconnection. The IP Backhaul interconnection delivers Quality of Service (QoS) and Class of Service (CoS) over the full suite of MegaPath broadband services, including recently launched Ethernet access services, for additional levels of prioritization and segmentation of traffic end-to-end.

**EFFICIENT, COST-EFFECTIVE SCALABILITY.** MegaPath delivers IP traffic only to the routes advertised by the customer, ensuring only relevant traffic is traveling on the IP Backhaul circuit. Network expansion can be scaled incrementally as network demands increase, with flexible bandwidth upgrade options from 100 Mbps to 1 Gbps in 100-Mbps increments, and the ability to oversubscribe as needed.

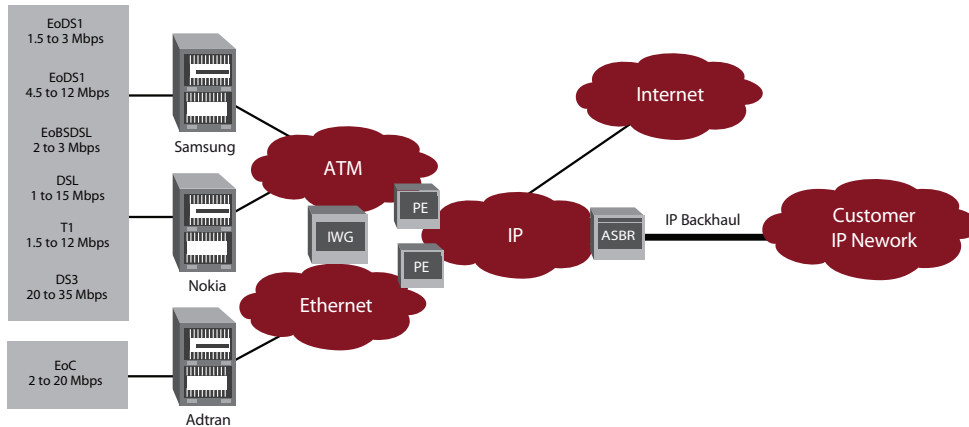
**HIGH AVAILABILITY.** MegaPath offers IP Backhaul redundancy options to facilitate risk management. Industry-standard LAG plus LACP provide redundancy at a single site. Additional redundancy can also be achieved by deploying MegaPath IP Backhaul aggregation services at geographically diverse MegaPath connection facilities.

**MEGAPATH AUTOMATION.** IP Backhaul customers can order, track, and manage their services through an easy-to-use, MegaPath-provided automated portal that gives customers better control over the end user experience.

# IP Backhaul

AGGREGATION SERVICES

## ADD TO YOUR ACCESS PORTFOLIO WITH MEGAPATH IP BACKHAUL AGGREGATION SERVICE



<b>PHYSICAL HANDOFF</b>	Gigabit Ethernet.
<b>BANDWIDTH OPTIONS</b>	100 Mbps to 1,000 Mbps in 100-Mbps increments.
<b>HANDOFF PROTOCOL</b>	BGP v4.
<b>AVAILABILITY</b>	IP POPs Nationwide.
<b>CONNECTION OPTIONS</b>	MegaPath-provided Aggregation Port with either MegaPath-provided or partner-procured circuit and/or cross-connect.
<b>BILLING OPTIONS</b>	Available in flat-rate capped, burstable, or usage-based billing options.
<b>REDUNDANCY OPTIONS</b>	<ul style="list-style-type: none"> <li>LAG plus LACP—Redundancy included on all circuits 500 Mbps and above. Superior link aggregation management with link aggregation control protocol (LACP) for load sharing of bandwidth and automatic failover.</li> <li>Geographic redundancy in diverse MegaPath IP POPs.</li> </ul>
<b>ATM TO GIGABIT ETHERNET INTERWORKING PROTOCOLS</b>	<ul style="list-style-type: none"> <li>PPPoE to Gigabit Ethernet S-VID/C-VID tagged.</li> <li>IPoA to Gigabit Ethernet S-VID/C-VID tagged.</li> <li>IPoE to Gigabit Ethernet S-VID/C-VID tagged.</li> </ul>
<b>MEGAPATH ACCESS PRODUCT SUPPORTED</b>	IP Backhaul Aggregation Service supports MegaPath's entire suite of access services, including xDSL, T1, DS3, and Ethernet.
<b>SUPPORT</b>	Dedicated, advanced technical support team, structured for end-to-end problem resolution, available 24 x 7 x 365, even on weekends and holidays.

**COUNT ON MEGAPATH.** From our nationwide coverage to our best-of-breed broadband services, we give you the rock-solid foundation you need to succeed. Our easy-to-use order management and trouble ticket systems simplify your business, and you can count on our support 24 x 7 year round. With over 12 years' experience, MegaPath has you covered.

Contact your MegaPath account executive, email [wholesale@megapath.com](mailto:wholesale@megapath.com) or call us at 408-856-6712.



W H O L E S A L E

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