Telia Carrier

IP TRANSIT

INTERNET TRANSIT OVER THE WORLD'S BEST-CONNECTED BACKBONE

Tier-1 Internet Services for organizations with their own AS number.

CONNECTING EYEBALLS TO CONTENT

We provide the largest number of direct connections and extensive upstream connections with transit partners. AS1299, our global Autonomous System, is a carrier-class network built for reliability and uptime. We bring together eyeball networks and content providers – by offering a complete global routing table with minimal hops.

MISSION-CRITICAL INTERNET CONNECTIVITY

We built our backbone using our fiber network, with an abundance of capacity to avoid network congestion. We have more than two decades of experience meeting the significant capacity demands from the world's biggest content distributors, ISPs, service providers, and hyperscalers.

CARRIER-GRADE IP TRANSIT

Our BGP expertise and formidable backbone capacity reserves ensure cost-effective connectivity in the volatile and unpredictable Internet traffic environment. Our SLA considers the well-defined attributes of carrier-grade services together with the flexibility of Internet connectivity.

As an interconnected network, the Internet requires a continuous and collaborative effort between all stakeholders to sustain the resilient, reliable, and secure infrastructure necessary to power the global economy.
We implement best practices and enhanced security measures for routing and exchanging traffic with other public networks.

BENEFITS IN BRIEF

WORLD'S BEST-CONNECTED

We offer a complete global routing table, of which 60% are directly connected, ensuring minimal hops to destination.

ZERO CONGESTION

Our backbone is built on our global fiber network. With an abundance of capacity, we can avoid network congestion.

BGP EXPERTISE

Our IP Network Engineers are industry experts and continually work with the wider Internet community to ensure we provide secure and reliable Internet services.

DID YOU KNOW?

Our IP customer base accounts for 60% of global Internet routes.

In 2020, we announced the industry's first full-scale, 400GE-ready network, using advanced cloud-scale routing technology.

We also operate a global fiber backbone – stretching 67,000km across Europe, North America, and Asia, between more than 300 PoPs (Points of Presence) across 120 global cities.

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TECHNICAL HIGHLIGHTS

IP Transit customers must operate and administer their own Autonomous System ("AS") and be capable of enabling BGP4 routing updates at network exit points/boundaries.

Our standard offer includes a carrier-grade SLA defining:

- Installation
- Availability
- Round-trip delay
- Packet loss
- Secure customer portal
- Usage reporting
- Order management

We offer three route options:

- Global Connect (Global routes)
- Euro Connect (European Customers and Peers)
- Content Connect (Global customer routes)

All connectivity options are available in the IPv4 and IPv6 domains.

NETWORK OPERATIONS AND INFRASTRUCTURE

From the fiber up, our highly skilled engineers manage our network infrastructure from a nuclear bomb-proof network operations center, cased in two meters of concrete and a wall of Swedish granite, 35 meters below the ground. Our fully-owned fiber and network assets allow us to operate a fully scalable, reliable, and diverse network environment to deliver an award-winning customer experience.

INVESTING IN THE FUTURE OF BGP AND IP ROUTING

BGP COMMUNITIES

Telia Carrier's position as the World's #1 Internet backbone carries with it the responsibility of securing a stable routing environment, not only for the networks that directly connect with AS1299 but the Internet as a whole. Our BGP communities can be used by customers and peers alike, to manage upstream connections and optimize traffic towards different network destinations.

RPKI & MANRS

Telia Carrier, takes the responsibility to secure Internet Routing very seriously. Through a mix of industry best practices, our systems, and well-crafted policies, we minimize the chances of common routing threats, including BGP Hijacks and Route Leaks.

USE CASES

SUPPORT OPERATING MODELS WITH SCALE

IP Transit provides economies of scale for organizations with content delivery at the core of their business model – with operations dependent on the availability of bandwidth, direct connections, and a high-performance network.

EMERGING HIGH-TECH INDUSTRIES

Organizations with their own Autonomous System use IP Transit services to improve their end-user services with low latency, speed, and high-performance across global markets. We see a new wave of demand from emerging industries like EdTech, Cyber Security, and Remote Workplace platforms.

Note: This document provides indicative service information and is not contractually or legally binding. Updated May 2020.