

WHOLESALE ETHERNET PRIVATE NETWORK (EPN)

FIRST-CLASS SECOND-LAYER CONNECTIVITY

IS.

Whether you are a network service provider, Internet service provider or communication service provider, our Wholesale ecosystem creates an opportunity for you to connect customers quickly and effectively.

Our Wholesale Ethernet Private Network (EPN) is a carrier-grade Layer 2 service that has speed and intelligence-based performance at its core. EPN's point-to-point (PtP) or point-to-multipoint (PtM) data link enables you to provide connectivity to any access, metro and core location within South Africa and throughout the rest of Africa.

EPN is ideal for global carriers looking for local reach and a local capability partnership to meet customers' bandwidth and continuity needs.



A GLOBAL DATA-LINK SERVICE WITH PERFORMANCE AT ITS CORE

Keeping users connected across the world



PTP OR PTM CONNECTIVITY IN A CHOICE OF LOCATIONS

Making sure your bandwidth options suit
your requirements



MANAGED SERVICES AND RELIABLE SUPPORT

Enabling your business to do so much
more

A GLOBAL DATA-LINK SERVICE WITH PERFORMANCE AT ITS CORE

Keeping users connected across the world

Enhanced reliability

Our EPN services are delivered globally on our very own fibre network. You can get dedicated bandwidth for high-priority data, voice traffic and video traffic. We also offer a fully managed service that brings a great degree of responsiveness, agility and a customer-centric focus to your local service provider needs. Backed by our highly skilled resources, our scalable network guarantees the bandwidth you require in our global locations.

We use certified industry architectures to provide you with redundant and resilient networks. Our architecture supports business continuity by creating diverse paths across the network and offering immediate restoration if something goes wrong. EPN is a protected service: we manage your failover risk by using industry-standard Synchronous Digital Hierarchy (SDN) and Optical Transport Network (OTN) infrastructure for efficient prioritisation of data applications as well as tunnel provisioning.

- **International** : EPN enables NNI traffic transfer between different service providers, helping to reduce the cost of international connectivity. You also have the option to connect an Internet exchange to local data centres which have content and applications that reduce the need for international connectivity.
- **Metropolitan connectivity (middle mile)** : If you want to provision services in South Africa only, EPN gives you connectivity options within defined metropolitan regions.
- **Local connectivity (last mile)**: Interconnect user network interfaces directly to defined broadband tail type services in local areas.

Whether you need to enable large, multinational enterprises, provide customised services to clients in a particular region or neighbourhood, or simply connect your own points of presence, EPN allows you to focus on the big-picture and small-detail needs of any customer.

International, national, metro and access

We can support network implementation in multiple points of presence in Africa and other international locations.

Our global network coverage enables you to connect to important points of presence such as carrier hotels, data centres, mobile switching centres and cable headends. In addition, EPN offers you a choice of routes for transferring traffic:



BUSINESS BENEFITS

PTP OR PTM CONNECTIVITY IN A CHOICE OF LOCATIONS

Making sure your bandwidth options suit your requirements

A range of bandwidth and configuration options

We offer a range of options across three EPN routes: metro, international and national networks:

- Metro and international speeds: from 1Mbps up to 100Gbps
- National and international speeds: from 1Mbps up to 100Gbps
- Guaranteed bandwidth contention : Throughput
- Last-mile support available for NNI
- Choice of service levels (Bronze, Silver, Gold or Platinum)

Whatever the option, EPN can meet the needs of global carriers looking for local reach and a local capability partnerships.

A wholesale solution to boost your business

EPN is a last-mile or middle-mile solution that can support your network implementation and the flow of application-aware, communication, cloud and multimedia services that the Internet can carry.

It can also enable you to build the disaster recovery and business continuity for big data that your customers demand. Through this wholesale carrier ethernet solution, you benefit from:

Dedicated, scalable bandwidth

Dedicated bandwidth offers unparalleled quality of service (QoS) and class of service (CoS). You can increase bandwidth capacity in manageable increments, up to as much as 100Gbps, as the need arises.

Fast and flexible performance

EPN supports frame technology for better transportation of data and greater bandwidth efficiency. High levels of resilience and best-in-class service level agreements ensure your business enjoys the best network performance.

Better control of network switching

You can scale bandwidth up or down, as you need to, using network switching configuration techniques provided by us.

Network security and protection

Our private, dedicated mesh network allows you to connect to more points and create more reach without increasing your exposure to risk. All data is transported over a reliable private-line connection, making this a data-link secure service.



PRODUCT OVERVIEW

MANAGED SERVICES AND RELIABLE SUPPORT

Enabling your business to do so much more

A fully managed networking service with minimal failover time

Our managed services allow you to focus on other strategic and operational areas of growth in your business while we take care of things like network switching and monitoring. This also allows you to reach customers in areas where you might not necessarily have a presence at the moment.

With a failover time of less than 50ms, EPN comes with a standard, best-effort 99% service availability guarantee on our own network

This means your connections are protected against outages that could adversely affect your customers.

Thanks to our range of monitoring tools, we can keep a trained eye on any fault notifications to ensure maximum availability, 24/7. Our support does not end with technical expertise. Our experienced project management teams can sit with you to determine how best to implement the right EPN solution for your business.



OTHER FEATURES



WHOLESALE

Capacity Africa spurs our ambitions to change the telecoms world



Internet Solutions
Crew Writer

WHOLESALE

Expanding into Africa? Know the market



Internet Solutions
Crew Writer

CARRIER SERVICES



CHAT TO US

MORE FROM WHOLESALE