

NAPAfrica - www.napafrika.net

NAPAfrica overview

NAPAfrica is a neutral, layer 2 Internet eXchange (IX) point, located in South Africa. NAPAfrica enables the exchange of large volumes of traffic between Network Service Providers (NSPs) via public peering. NSPs include Local and International Carriers, Internet Service Providers (ISPs), Application Service Providers (ASPs) and Content Providers, among others.

Once connected to NAPAfrica, NSPs negotiate individual and multilateral peering relationships.

NAPAfrica is open to all Network Service Providers. Because of its regional focus, the natural partners are those networks having a Point of Presence in Africa, however there are no restrictions regarding NSPs located elsewhere.

The need for a neutral peering location

Connectivity options within Africa and between Africa and the rest of the world are growing. As an NSP you want to collocate where you are most likely to find others already connected. Vendor neutral locations throughout the world have become popular interconnected locations for exchange points such as AMS-IX, LINX and JPNAP for just this reason.

Location of NAPAfrica

NAPAfrica peering points are located in Teraco Data Environments data centres in Cape Town and Johannesburg, South Africa. Teraco operates the only vendor neutral data centre facilities in South Africa and therefore offers the highest carrier diversity. Its open, unrestricted interconnect policies between companies collocating within its facilities makes Teraco the natural home for a growing number of carriers and service providers operating within Africa.

Why peer at NAPAfrica?

- The greatest carrier diversity in Africa;
- Open marketplace where NSPs, Enterprise customers, and Content Delivery Networks can do business together without restriction;
- Virtual Network Interconnections allowing the rapid provisioning of one-to-one and one-to-many interconnects;
- Carrier class services with guaranteed availability at 99.999% uptime, backed by a comprehensive Service Level Agreement;
- IPv4 and IPv6 available;
- Flexible and scalable connectivity available from Fast Ethernet to 10 Gigabit Ethernet;
- Peering and traffic management tools;
- Peering introductions. Teraco is not an NSP and does not compete with any of its customers and so invests in introducing its customers to each other;
- Nominal port fees.

About Teraco

Teraco is South Africa's first provider of vendor neutral Data Centres. Teraco Data Centres offer a flexible, technically superior and physically safe environment, built and operated to global best practice. Customers benefit from unrestricted choice of network and service provider and an open market for interconnection to service providers and partners within the Data Centre. Teraco Data Centres are located on the fibre rings of the major licensed carriers in South Africa, including Telkom, Neotel and Dark Fibre Africa, all of which have fibre nodes within the building, presented in the Teraco "Meet Me" room.

The benefits of Public Peering

Instead of costly multiple direct links, a single peering point allows multiple networks to interconnect using a shared switch fabric. This fabric typically takes the form of high end Ethernet switches.

In today's broadband market of exploding growth of traffic, network service providers peer to exchange their traffic in order to achieve

- Reduced cost by avoiding costly transit agreements;
- Increased redundancy by offering convenient multiple network connection options;
- Reduced latency with simplified routing and direct interconnects;
- Improved performance by bypassing potential traffic bottlenecks.

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Connect to NAPAfrica to lower transit cost

