g3 network services

Global SIP Network Access

In partnership with Global Crossing, G3NS offers one of today's largest VoIP deployments with over 140 SONUS VoIP Switches throughout a global VoIP backbone, using session border control technology globally. The highly reliable, fully meshed IP MPLS network reaches over 600 cities, 60 countries, and 6 continents consistently operating at 99.999% reliability. The network is supported by customer support in 18 countries with a team fluent in over 20 languages.

g3 Product Data Sheet

Features and Benefits

- Session Border Controller
  - Secure interconnection point
  - Mated pair provides redundancy and automatic fail over
- Public or private addresses
  - Customers can keep current addressing methodology
- Private Backbone
  - Private MPLS backbone, not public Internet
- Reduced latency
  - No unnecessary IP to TDM conversions
- Experienced technical support
  - Six years of VoIP deployment
  - 20 years voice experience

Interoperability Testing

Migrating a telecoms system to a new network demands attention to compatibility with the VoIP equipment installed, the protocols used, the signaling options, codec chosen, etc. For this reason, customers are offered a free service for testing equipment for interoperability with Global Crossing Network.

The streamlined process incurs no access investment and no network downtime. Global Crossing IP Engineers will take the time to test call flows, signaling types, transcoding options, and other configuration parameters to ensure network compatibility and a no network down time at cut-over. To date, the Global Crossing network has been able to operate with every equipment manufacture tested.

Connectivity Services

Technology:

Session Border Controller:
Security - Access Control
Network Address Translation (NAT)
SIP & H.323 Mediation

Architecture:

Private IP backbone
Session Border Controller (Firewall)
Toll Quality

Maximum QoS for VoIP packets:

Increased security & reliability
Carrier quality service
Minimized latency, packet loss, and jitter

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