Insight Network Solutions (AS328964) Peering Policy – 2024-10-01

Introduction:

Insight Network Solutions (AS328964) operates under an open peering policy. We believe in fostering robust, reliable, and efficient interconnection relationships with a wide range of networks to enhance the quality and reach of our services. This policy outlines the requirements and procedures for establishing peering with AS328964.

General Requirements:

- **Mutual Benefit:** Peering must be mutually beneficial for both parties. Traffic exchanged should be balanced or at an acceptable ratio as per industry standards.

- **No Settlement:** Peering will be settlement-free, meaning no party shall pay the other for traffic exchanged.

- **Public Peering:** AS328964 prefers to peer at mutually accessible public Internet Exchange Points (IXPs). Private Network Interconnects (PNIs) can be considered in specific cases based on traffic volume and strategic need.

Technical Requirements:

1. **BGP4:** Peers must support BGP4 (Border Gateway Protocol version 4).

2. **Public ASN:** Peers must use a public Autonomous System Number (ASN) assigned by a Regional Internet Registry (RIR).

3. **Redundant Connections:** Peers should have redundant physical connections to maintain network resilience and uptime.

4. **24/7 NOC:** Peers must maintain a 24/7 operational Network Operations Center (NOC) capable of addressing technical issues and troubleshooting within a reasonable timeframe.

5. **Prefix Filtering:** Peers are required to announce only their own prefixes and those of their downstream customers. Insight Network Solutions may implement prefix filtering to ensure route integrity.

6. **Aggregation:** Where possible, peers should aggregate routes and avoid de-aggregating prefixes to minimize the size of the global routing table.

7. **IPv6 Support:** Peers should be capable of supporting both IPv4 and IPv6.

Peering Locations:

We are available for peering at the following IXPs as detailed on our peeringdb page:

- https://www.peeringdb.com/net/28643

Traffic Engineering:

- **Balanced Traffic:** We expect traffic ratios to remain within acceptable industry norms. AS328964 reserves the right to renegotiate or review peering if ratios are significantly unbalanced.

- **No Transit Routes:** Peers should not transit routes from third-party networks through the peering session unless explicitly agreed.

Routing Policies:

- **No Default Route:** AS328964 does not accept a default route or partial routing information via peering. Only specific routes to peered ASNs will be accepted.

- **BGP Communities:** Where relevant, AS328964 does utilise BGP communities for traffic engineering or to control route announcements.

Operational Guidelines:

- **Maintenance Coordination:** Routine maintenance should be scheduled and communicated in advance to minimize downtime and disruption. Both parties agree to provide notice for planned outages.

- **Incident Management:** In the event of a network issue, peers are expected to work together to promptly resolve any technical problems impacting connectivity.

Termination of Peering:

Either party may terminate the peering agreement with 30 days' written notice. In cases of abuse or non-compliance with the policy, Insight Network Solutions reserves the right to terminate peering immediately.

How to Apply for Peering:

To establish peering with AS328964, please send an email to our peering contact:

- **Email:** peering@insight.co.za

- **Peering Request Information:** Please include the following in your peering request:

- ASN

- List of IXPs where you can peer

- A brief network overview, including your peering policy (if applicable)

- Contact information for your NOC

We aim to respond to all peering requests within 5 business days.

Additional Information:

Insight Network Solutions reserves the right to review and update this policy periodically. For the latest version, please visit our website or contact our peering team.

Useful Information:

- **NOC:** noc@insight.co.za

- **Peering Coordination:** peering@insight.co.za

- **Website:** www.insight.co.za

- **Looking Glass:** https://lg.insight.co.za/

- **BGP Route view and Ripe Atlas Probes:** https://bgp.tools/lg/328964#bgp

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This policy is intended to promote efficient, stable, and fair peering relationships that benefit all parties involved. We welcome peering requests from networks that align with these principles.