GUAM IX
Guam IX Peering Policy

ABSTRACT

Guam IX is an Internet Exchange Point operated and maintained by Guam Exchange. The purpose of Guam IX is to aggregate IP networks present in Guam to exchange local traffic minimizing the need for off-island transit and multiple direct peering cross connects. The Guam IX network will operate independently of all other networks and will serve only as a means of connection among IP networks that choose to peer at Guam IX. More information can be found at https://ix.gu

SCOPE

This document provides the technical specifications which define the means of access, operation and restrictions that are necessary to fulfill the more general goals of Guam IX. The reader will need to have a clear understanding of IP routing among various, interconnected networks, as well as the consequences of incorrect routing. A firm grasp of router configuration will be necessary to implement the specifications described in this document.

CONVENTIONS

The following language conventions are used in the items of specification in this document:

Must, Shall or Mandatory

The item is an absolute requirement of the specifications.

Should or Recommend

The item should generally be followed for all but exceptional circumstances.

May or Optional

The item is truly optional and may be followed or ignored according to the needs of the implementer.

IP

Refers to both IPv4 and IPv6 protocols. Members are encouraged to use both IPv4 and IPv6 for peering at Guam IX.

CONTENTS

1.0 Means of Access
2.0 Necessary Equipment and Network Resources
3.0 Routing Protocols, Rules, and Configuration
4.0 Client Organization Acknowledgement of Specifications

1.0 Means of Access

1.1 Access to the Guam IX switch shall be via Ethernet.
1.2 Guam Exchange shall be contacted for details of and arrangements for physical access for the member's chosen connectivity media.

2.0 Necessary Equipment and Network Resources

2.1 Each network connecting to the Guam IX must have their own public autonomous system number (ASN), their own public IP address space registered with a Regional Internet Registry, and their own independent transit arrangements.
2.2 The supported physical connection to Guam IX are 1/10/25/100Gbps Ethernet.
2.3 No servers or other equipment may be collocated with Guam IX without consent of the Guam Exchange.

3.0 Routing Protocols, Rules, and Configuration

3.1 Guam IX Peering LAN IP addresses are administered by Guam Exchange.
Assignment of Guam IX addresses will be made as part of the signed agreement between the Guam IX member and Guam Exchange.
3.2 Networks peering with the Guam IX route servers will use BGP.
3.3 Members must be registered in the Peering Database (peeringdb.com).
Reasonable exceptions may be appealed after review by Guam IX administrators.
3.4 Members are free to choose with whom they peer.
3.5 Members must not announce default route or the full BGP table to the Guam IX route server.
3.6 Guam IX administration will monitor traffic levels and reserves the right to isolate networks from the IX LAN that are the source of unusually high traffic levels without prior notice. Guam IX administrators will make every effort to contact the technical contact of the member through contact information provided on the Guam IX agreement prior to the shutdown of the connection.
3.7 Members must not leak IGP, DHCP announcements, or IPv6 Router Advertisements to the Guam IX LAN.
3.8 Administration and Technical Contact information must be kept up to date with Guam Exchange. This allows the Guam IX administrator to notify and troubleshoot routing problems that may be affecting the client or other member's connectivity.

4.0 Client Organization Acknowledgement of Specifications

Prior to connections of Guam IX service, the following statement shall be signed by a representative of the client organization and returned via email to peering@ix.gu

I_____, being an authorized agent or representative of _____(Member) acknowledge that I have read and understood the Guam Exchange Technical Specifications provided in this document, and that the Member will guarantee compliance with the specifications herein. I understand that non-compliance, in the event that it affects the operation of Guam IX, may require Guam IX administration to interrupt my service in order to restore proper operation.

Signed: _____

Date: _____

Title: _____

Network Operator Information

Organization: _____

Address: _____

ASN: _____

Technical Contact: _____

Technical Phone: _____

Technical Email: _____

Administrative Contact: _____

Administrative Phone: _____

Administrative Email: _____