

REQUEST FOR PROPOSAL

Hosting of ARIN Public Facing Network Services

EXECUTIVE SUMMARY

The American Registry for Internet Numbers, ARIN, is seeking Internet Colocation providers (Hosts) to bid on the hosting of ARIN equipment and applications used in the operation of ARIN's public facing Internet services. These services include DNS, WHOIS, Routing Registry, RWhois, Resource Certification Services, and Web based applications including the ARIN website. Many of the services provided by ARIN are important parts of the critical infrastructure of the Internet. ARIN is looking for sites that are situated on the west coast of the United States or Canada.

ARIN is operated as a nonprofit 501(c)(6) corporation which is chartered for educational, charitable, and scientific purposes. It is a membership organization with an official IRS designation as a "business league".

STATEMENT OF WORK

ARIN is requesting proposals for the hosting of ARIN equipment and Internet connectivity suitable for serving ARIN services. The following services will be provided by ARIN at this site: DNS, WHOIS, Routing Registry, RWhois, and Resource Certification Services, The ARIN Website and supporting applications. A detailed explanation of the requirements for providing these services summarized below:

Section 1: Rack Space / Power

1.1 Physical Requirements:

The host shall provide rack space, power and cooling for 34 rack units of ARIN equipment.

1.2 Power requirements:

The host will provide at least three 20 Amp, 120 volt electrical circuits. All power provided will be regulated and be on a power backup system such that power will be available 100% of the time.

Section 2: Network Requirements

2.1 Summary

- The host will provide 2 X 1Gb (Gigabit Ethernet) Full Duplex, 1000mb, no auto.
- The host will provide native IPv4 and IPv6 connectivity.
- The host will allow ARIN BGP announcements.
- The host will provide a /24 IPv4 Address Assignment with transit to the Internet.
- The host will provide a /48 IPv6 Address Assignment with transit to the Internet.
- The host will provide a full view of the IPv4 and IPv6 routing table.
- The host will provide 24x7x365 NOC contact information for problem resolution.
- The host will provide environmental and security infrastructure at their facilities.

2.2 Connection Requirements

The host will provide two 1000 Mbps Ethernet connections on standard multi-mode fiber. All ports must have auto-negotiation turned off and be locked to 1000 Mbps full duplex.

2.3 Address Space Requirements

The host will provide one publicly routable /24 IPv4 address block and one publicly routable IPv6 address block. The network blocks will be used for both management and publicly available services. If the host is not in a position to provide address space ARIN will work with a transit provider for IP address space.

2.4 Routing Requirements

The host will peer with ARIN's routers via BGP4 and/or provide access to the peering fabric via BGP4. The host will facilitate the ability for ARIN to get transit for the /24 and /48 given by the host as well as facilitate additional /24's that ARIN may use to announce services.

2.5 Bandwidth Requirements

The host must provide bandwidth to support up to 200 Mbps of traffic under normal operations. Burst capacity should be available up to 300 Mbps.

2.6 Quality of Service

The host will provide ARIN with QOS services to ensure that management traffic such as VPN and other management mechanisms perform adequately. The host will not administer any QOS policies without the approval of ARIN.

2.7 Security Requirements

The host must provide access control mechanisms such as router ACLs to filter traffic at ARIN's request. The host will not apply any access controls without ARIN's approval.

Section 3: Facilities

3.1 Environmental Systems

The host shall provide Heating, Ventilation and Air conditioning (HVAC) and other environmental components including UPS and fire suppression. All of these systems will be operational 24x7x365 with 99.9% availability.

3.2 Security

The host facility will have security procedures in place that restrict access to ARIN equipment to only those authorized by ARIN.

Section 4: Service Availability

4.1 Uptime Guarantee

The host will guarantee network availability of 99.9% for a given month excluding scheduled maintenance. Scheduled maintenance is downtime for which the host will provide ARIN 7 days notice. ARIN and the host will jointly determine the cause of any unscheduled downtime.

4.2 Notification

The host will notify ARIN of all outage events via email to designated ARIN contacts.

PROPOSAL SCHEDULE

All proposals must be submitted no later than close of business on July 31, 2008. ARIN will evaluate proposals using a phased approach detailed in the **EVALUATION PHASES** section of this document. ARIN will select a winning bidder no later than August 31, 2008. It is expected that all bidders meet the requirements set forth in this document when they submit their proposal.

EVALUATION PHASES

ARIN will evaluate proposals in three phases. The first phase will consist of a review of submitted proposals. Phase two will consist of a presentation by the submitter detailing their bid and phase three will be a site visit by ARIN staff to the facility which will house ARIN equipment.

TERMS AND CONDITIONS

All contractual terms and conditions related to the work performed, nondisclosure of information, or liability issues must be detailed. ARIN will require that the vendor performing this service sign a nondisclosure agreement due to the proprietary nature of the information ARIN retains for its subscribers. Proposals must include references, proposed fees, and charges.

SUBMIT PROPOSAL TO:

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