

## Testing Root Name Servers with Inter Domain Anycast Addresses

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### Abstract

This memo describes an environment to test a proposal to have root name servers with shared unicast addresses described in [<draft-ietf-dnsop-ohta-shared-root-server-00txt>](#).

## 1. Introduction

In [[SRS](#)], there is a proposal to have multiple name servers sharing unicast (anycast) addresses. The proposal is designed to work in intra domain environment with route registries by using multiple ASes sharing AS numbers.

This memo describes an environment to test the proposal.

While the proposal is on root domain using multiple unicast (anycast) addresses and (anycast) AS numbers, the experiment is on a real but non-root domain using only one unicast address and one AS number.

## 2. IP addresses

A block of IP addresses:

192.83.230/24

which is expected to be globally routable, is reserved for the test.

The DNS servers share an IP address of:

192.83.230.1

### **3. AS number**

AS 4128 is used for the test.

### **4. Domains**

The initial domains to be served by the DNS servers are:

real-internet.org.  
psg.com.

There may be additional domains tested.

### **5. Participants**

The initial participants of the test and globally unique unicast addresses of their servers are as follows:

????.????.????.??? Francisco Arias <farias@nic.mx>  
????.????.????.??? Frederico A. C. Neves <fneves@ansp.br>  
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????.????.????.??? Randy Bush <randy@psg.com>  
????.????.????.??? Stacy Smith <stacy@broadwing.net>

### **6. Mailing List**

If you are interested in joining (or just watching) the test, send a mail containing a single line of:

subscribe aroot

to

majordomo@ops.ietf.org

the mailing list is located at:

aroot@ops.ietf.org



Archive of the list is available at  
<ftp://ops.ietf.org:/pub/lists/aroot>.

## **7. Contact**

If there is something wrong with route information from AS 4128, the author of the memo or the mailing list for the test may be contacted.

However, for direct contact to the source of the problem, the contact person of an AS next to AS 4128 in the AS path of problematic route information should be contacted as described in [[SRS](#)].

## **8. References**

[SRS] <[draft-ietf-dnsop-ohata-shared-root-server-00.txt](#)>.

## **9. Author's Address**

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