

Root Server Operators

November 2024 Meeting Report

On November 3, 2024, the root server operators met in Dublin, Ireland prior to the IETF meeting. Representatives from all 12 organizations were present, with 20 attendees in person and 21 attendees remote.

Personnel Changes

The meeting opened with introductions and notice of any personnel changes since the last meeting. Personnel changes at UMD, NASA, DOD-NIC, ICANN, and JPRS were noted.

Alert System Test

A regularly scheduled test of the alert system was conducted. Everyone reported receiving the expected alert notifications via at least one method (SMS, voice, email). A few individuals reported not receiving the alert via SMS, probably due to mobile phone roaming.

TSIG Key

As part of the procedure for generating a new zone transfer TSIG key, all participants chose and spoke a word or phrase. The words will be collated and provided as a source of randomness when generating the key, which will be distributed after the meeting.

Incidents

No attacks or other significant incidents were noted since our July meeting.

There was a discussion about recurring availability alerts received by some RSOs from a commercial monitoring platform. Other RSOs were unaware of these alerts since monitoring company stopped providing complimentary monitoring services to them.

As a follow-up to previous incidents involving stale data, the group discussed options for inter-RSO monitoring and alerting.

Architecture Presentation

The team from DOD-NIC gave a presentation on the architecture of operations for G-root and answered questions from the other RSOs.

Security Items

The group briefly discussed the utility of obscuring name server software version information in “version.bind” queries. Some operators feel that obfuscation is unwarranted. At least one RSO reported that obfuscating minor version information results in a reduction of “helpful” suggestions by external parties to update name server software.

Data Collection

The RSSAC-002 metrics include a count of unique source addresses, which presents a challenge for some RSOs. It was noted that in the latest version of RSSAC-002, publishing the unique sources data is optional.

Root KSK Rollovers

The root zone KSK rollover is proceeding as scheduled. Phase “C” was completed last month. The KSK-2024 key is expected to appear in the root zone in January 2025.

RPKI Status

Service	IPv4 ROAs	IPv6 ROAs	Validating
A	Planned	Planned	
B	Yes	Yes	
C			
D	Yes	Yes	No
E			
F	Yes	Yes	No, but monitoring
G	Researching	Researching	
H	Researching	Researching	
I	Yes	Yes	
J	Planned	Planned	
K	Yes	Yes	No
L			
M	Planned	Yes	No
SNS	Planned	Planned	

Collaboration Systems

The sysadmin group has thus far been unsuccessful in migrating the collaboration server to a new operating system and new hardware. They plan to try again before the end of the year.

External Communications

All RSOs have now provided their input to the internal diversity document. A small group of volunteers will aggregate the internal information and begin drafting a high-level diversity report.

Root Server System Governance Working Group Update

A brief update on the RSS GWG was given for any RSO participants that are not already participating in the GWG. Since all RSO organizations have direct representation in the GWG, there was no significant follow-up discussion.

Root Server System Advisory Committee Update

Representatives from RSSAC provided updates on the committee's recent activities, including the work party on security incident reporting, and the work party on changing root server IP addresses.

Root Zone Evolution Review Committee Update

RZERC has not been meeting recently.

Meeting Expenses

The four RSOs that previously volunteered to sponsor the July meeting were reminded to expect invoices. For the upcoming meeting in March, two RSOs have already volunteered to cover the costs.

The group additionally discussed possible ways to simplify and improve the process of invoicing and paying for rootops meetings.