

RFC4601bis Update

draft-ietf-pim-rfc4601bis-01

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Motivation

- Advancing PIM specification from Proposed Standard to Internet Standard (RFC6410)

Work & Plan

- -00 adopted as WG draft early Oct 2011
- -01 draft with minor changes
- Future version will deal with the references and security section
- Survey:
 - Vendors & Operators
 - Implementations & Deployments, Operational experiences
 - Survey Questionnaire finalized
- Implementation & Deployment Report

Next Steps

- Stig & Mike will issue the survey shortly (April)
- Marshall will help to collect the responses as the neutral third-party (June)
- Responses analysis & initial report (August)

Thanks!

Questionnaire

- Questions for operators:
 1. Have you deployed PIM-SM in your network?
 2. How long have you had PIM-SM deployed in your network? Do you know if your deployment is based on the most recent RFC4601?
 3. Have you deployed PIM-SM for IPv6 in your network?
 4. Are you using equipment with different (multi-vendor) PIM-SM implementations for your deployment?

Questionnaire

- Questions for operators:
 5. Have you encountered any inter-operability or backward-compatibility issues amongst differing implementations? If yes, what are your concerns about these issues?
 6. Have you deployed both dense mode and sparse mode in your network? If yes, do you route between these modes using features such as *,*,RP or PMBR?

Questionnaire

- Questions for operators:
 7. To what extent have you deployed PIM functionality, like e.g. BSR, SSM, and Explicit Tracking?
 8. How many RPs have you deployed in your network?
 9. If you use Anycast-RP, is it Anycast-RP using MSDP (RFC 3446) or Anycast-RP using PIM (RFC 4610)?
 10. Do you have any other comments on PIM-SM deployment in your network?

Questionnaire

- Questions for implementers:
 1. Have you implemented PIM-SM?
 2. Is the PIM-SM implementation based on RFC 2632 or RFC 4601?
 3. Have you implemented (*,*, RP) state of RFC 4601? What is the rationale behind implementing or omitting (*,*,RP)?
 4. Have you implemented the PMBR as specified in RFC 4601 and RFC 2715? What is the rationale behind implementing or omitting PMBR?

Questionnaire

- Questions for implementers:
 - 5. Have you implemented other features and functions of RFC 4601, e.g.
 - SSM
 - Join Suppression
 - Explicit tracking
 - Register mechanism
 - SPT switchover at last-hop router
 - Assert mechanism
 - Hashing of group to RP mappings

Questionnaire

- Questions for implementers:
 6. Does your PIM-SM implementation support IPv6?
 7. Have you encountered any inter-operability issues with other PIM implementations in trials or in the field?
 8. Do you have any other comments or concerns about PIM-SM as specified in RFC4601?