

BSR Spec Status

BSR Spec authors

08/02/05

Agenda

- Status
- Proposed modifications for next revision.
- Remaining Open Issues.
- Discussion

Status

- ID expires in Aug :(.
- Good news - concluded on several open issues.
- Would like WG input on Key proposed changes...

RP-Set maintenance (EW/IW)

- E-BSR
 - Always send the entire set of RP mappings for a group range in the BSM.
 - When an RP mappings is removed, it is included in the next BSM with a holdtime of 0.
- Non-BSRs
 - Remove mappings which are not present in any received group range.
 - Use the holdtime to time-out RP mappings. As a special case of this, receipt of a mapping with holdtime 0 will cause the RP mapping to time-out immediately.

RP-Set maintenance (BSR re-election)

First BSM from newly elected E-BSR MUST be empty.

- For non-scoped BSR, "empty" implies no group ranges.
- For scoped BSR, "empty" implies containing only a scoped zone range .
- An empty BSM MUST NOT timeout existing RP set at non-BSRs.
- C-RPs MUST trigger C-RP-Adv to newly elected E-BSR using some small delay
- E-BSR to trigger BSM with RP-set after some back-off/delay.

RP-Set maintenance (Misc.)

- The BSR uses the Holdtime value received in the C-RP-Adv message in BSM.
- $C_RP_Adv_Period$ MUST be $\geq BS_Period/2$.
- RP-Set changes should trigger BSMs with some backoff to allow aggregation.

BSR Election

- Set startup delay in P-BSR state to `BS_Rand_Override`.
- Add text to update E-BSR preference/priority when non-preferred BSM is received from E-BSR.
- Unify BSM originate/forward description to send only on interfaces with PIM neighbors.

MISC

- Why should C-RP zone border routers set ZBR bit in C-RP advs?
- Do we need to forward Unicast BSMs?

Remaining Issues

- Various issues related to BSR
Semantic Fragmentation (Mostly editorial)
- Unicast BSM.

Hope to submit draft w/ conclusions before IETF 64.