VRRP Version 3 for IPv4 and IPv6 – RFC 5798BIS
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VRRP Version 3 - Primary Motivation

• Update terminology to be consistent with IETF Inclusive Language Guidelines
  • IETF follows National Institute of Standards and Technology (NIST) "Guidance for NIST Staff on Using Inclusive Language in Documentary Standards"
  • Vendors implementing VRRP want to update software and documentation
  • Replace term for the VRRP Router forwarding IP traffic from “Master” to “Active”.
    • "Active" is better corollary to “Backup”
    • Consistent with other high availability mechanisms
  • Resulting in changing almost every page of specifications.
  • Also changed a couple instances of “Blackhole”
VRRP Version 3 – Additional Changes (1/2)

- xml2rfc Version 3 based draft
- Fix Errata and reformat section 5 – “Protocol State Machines” for consistency
- Many editorial changes to fix grammatical errors, sentence fragments, and run-on sentences.
- Consistent usage of capitalization and terminology.
- For IPv6 VRRP Routers, the acceptance of Unsolicited Neighbor Advertisements (RFC 9131) was added.
VRRP Version 3 – Additional Changes (2/2)

- In received VRRP packets, the Maximum Advertisement Interval is checked for a match with the one configured for the VRID.
  - Mismatch is logged but the packet is accepted for backward compatibility.
- Removed appendices describing VRRP operation over legacy LAN technologies.
- Additional ”Security Considerations” added.
- IANA Section augmented include all allocations, registries, and RFC references.
Next Steps

• Solicit additional reviewers
• Some good reviews already from Druv, Pascal, and others.
• If someone else is interested in doing an implementation survey and report, I’d consider moving to Internet Standard.
• Working Group Last Call and publish so vendors are comfortable making code changes.