

Multicast Distribution Tree Extensions for IS-IS

draft-yong-isis-ext-4-distribution-tree-02

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Changes from -01 to -02

- Add a section on Reverse Path Forwarding Check (RPFC)
 - Performing this check is optional
- Add a section on Mobility Support
 - Both sources and listeners can move
- Minor Correction to sub-TLV format
- Editorial improvements

Benefits

- Support for multicast, as well as unicast, is important for a variety of applications.
- Extending the IGP to support multicast traffic distribution as well as unicast traffic forwarding has significant benefits:
 - Faster convergence: When a separate protocol is used, such as PIM, the IGP converges first, then PIM converges, so the convergence times add.
 - Using one base protocol is simpler, more efficient, and makes automated configuration easier.

Next Step

- (Past Steps: Technical presentation at IETF 88 & 87
<http://www.ietf.org/proceedings/88/slides/slides-88-isis-6.pdf>
<http://www.ietf.org/proceedings/87/slides/slides-87-isis-4.pdf>)
- Request that this be adopted as a WG draft
 - There have been questions and suggestions for improvement but no objections
- Additional Work
 - Security Considerations section needs work
 - Interworking with PIM – could be a separate draft