

IETF-78

Maastricht, Netherlands

draft-uttaro-idr-add-paths-guidelines-02

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Collaboration

draft-vvds-add-paths-analysis-00

- Focus on analysis of different path selection algorithms
 - All paths
 - N paths
 - All AS-wide best paths
 - All neighbor AS group best paths
 - Best LocPref/2nd best LocPref
 - Paths at decisive step -1
- Some discussion of different applications

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- General focus on providing implementation recommendations
- Detailed discussion of fast convergence use case, other applications highlighted
- Discussion of advertise N paths algorithm and implications of selecting different values of N per peer, prefix, etc.

draft-uttaro-idr-add-paths-guidelines-01, 02, etc.

- Provide recommendations to implementers, maintain focus on the question of which set of paths to advertise
- Add new path selection algorithms if appropriate
- Complete discussion of different applications, providing recommendations specific to each one

Upcoming Plans

- Make recommendation for default path selection algorithm
 - MUST be available in all Add-Paths implementations
 - Applicable to largest number of applications/use cases, reasonable scalability/complexity
 - Converging towards N-paths or a variant of all AS-wide best paths

Upcoming Plans

- Complete discussion of different use cases for Add-paths, at least
 - Fast convergence
 - Loadsharing
 - Route oscillation mitigation
 - Graceful shutdown
- Provide recommendations for each, particularly wrt path selection mode

Upcoming Plans

- Discussion about forwarding paths vs. advertised paths
 - Multipath considerations
 - Tunneled vs. non-tunneled transport to BGP next-hop

Looking for Feedback

- Other Applications
- Other Path Selection Modes
- Choice of default Path Selection Mode

Questions?