

# IS-IS Spine-Leaf

*IETF 102 Montreal*

*LSR*

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*Naiming S., Les G., Sanjay T.*

# DC IS-IS Spine-Leaf

- Reuses well deployed protocol for DC fabric supporting large number of network routing entries and features
- Supports full routing in small/median DC and serves as a DC fabric for overlay routing
- Supports Auto-tier discovery and protocol configuration for Zero Touch Provisioning
- Minimizes IS-IS LSP flooding to leaf nodes in DC topology
- Handles link/node DOWN events in spine-leaf topology to avoid black holes
- Supports other mechanisms/proposals such as Openfabric and Dynamic Flooding

# Changes

- Added Tier level information in spine-leaf TLV in version 4 for ZTP and interworking with Openfabric proposal
- Added 'Connect to RF-Leaf Node' bit in link-attribute values of sub-TLV 19 of TLV 22, to work with Dynamic Flooding proposal
- Clarified the text on Info-Request sub-TLV used for advertise and withdraw the more specific prefixes

# Next Steps

- Request LSR working group further review and comments
- Ask for WG adoption