DCROUTING
(Data Center Routing BOF)

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Administrivia

- Chairs:
  - Gunter Van de Velde
  - Victor Kuarsingh
- Jabber Scribe:
  - dcrouting@ietf.jabber.org
- Minutes:
  - http://tools.ietf.org/wg/dcrouting/minutes
- Note Well.
- Blue Sheets.
- Agenda Bashing.
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Blue Sheets

- Please fill these in
- The secretariat makes grumpy-face if we don’t.
Agenda

- Administrivia
  - Chairs, 5 min

- Requirements Discussion
  - Cloud DC and Operator requirements – (10+10min) (Jeff)
  - Enterprise requirements – (10+5min) (Nalini)
  - Section wrap-up – (5min) (chairs)

- Proposals for New Routing technology
  - BGP-LS SPF - (20+15min) – (Keyur)
  - RIFT – (20+15min) – (Tony)
  - Section wrap-up: 10 min (chairs)

- Proposals for extensions to existing routing protocols
  - ISIS Spine-leaf – (5min) (Naiming)
  - Openfabric – (5min) (Russ)
  - Flooding Reductions (ISIS/OSPF) – 5min (Xiaohu)

- Wrap-up & Next steps
  - (10 min) - chairs
BOF Intent

- **FOCUS**
  - Provide ADs input on potential future actions for this developing problem space (modern DC)
  - Discovery of modern DCs needs regarding routing, management, resiliency, programming, operation, etc
  - It is not the direct intention of this BoF to form a general DC Routing WG
    - However, such result is not excluded
BOF Intent

- To address a key question:
  - Does it make sense for the IETF to increase focus on DC routing and operational specifics?
BOF Intent

- Expectation to receive guidance and input
  - Discover leading indicators of change for routing in modern Data Center environments
  - We do not need to gain consensus on a detailed / fixed set of requirements
  - Augmentation of existing protocols does not preclude new protocol work development
    - which may be more purpose built for modern DC environments
Questions to think about

● Be concise if asking questions/clarifications
  ● We have dense agenda today

● Are the DC requirements clear enough to justify IETF focus? What else is needed?
  ● Today, the target is not to achieve BOF consensus

● Can a single solution provide all requirements?

● Are you interested to work on the solution space?

● Thoughts how IETF should frame the solution space development
DC Routing Requirements Questions

DC ROUTING BOF
Questions - Requirements

- Do we agree that DC Fabrics have augmented routing requirements from traditional routing?
- Do the DC Routing requirements drive towards protocol work?
New Protocols Questions

DCROUTING BOF
Questions: New protocols

- Do you believe:
  - the solutions solve the same set of requirements?
  - the solutions solve a different set of requirements?
  - the solutions solve nothing?

- BOF interest in
  - Interest on working upon one of the proposals
    - Contributing to the solutions are not mutually exclusive from each other
Questions: New protocols

- How to approach solution space development
  - 1 or multiple DC Routing solution space WGs
  - Each approach has pro’s on con’s

- If ADs were to consider chartering WGs
  - How many believe it is more effective into general WG?
  - How many believe it is more effective into multiple WG?
Whats Next…

DCROUTING BOF
What's Next?

- What happens after IETF100?
THANK YOU!