Routing Area WG (rtgwg)

IETF 94 – Yokohama

Chairs: Jeff Tantsura (jeff.tantsura@ericsson.com)
Chris Bowers (cbowers@juniper.net)
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IPR Disclosure


• rtgwg Process
  - poll authors on their compliance with IETF IPR rules prior to moving a document to the next step in the WG process, e.g., before an individual draft becomes a WG document or a WG document goes to last call.
Administrivia

• Note taker:
  – Monday: Acee Lindem
  – Thursday: ?
  – Jabber Scribe: Looking for a volunteer?

• Blue sheets --- please sign them!

• Agenda Bashing

• WG Update
IETF 94 Routing Area WG Agenda
Monday, November 2, 2015

- 15:20-15:30 - WG Status Update
  Jeff Tantsura, Chris Bowers
  10 minutes
- 2) 15:30-15:45 - draft-vandevelde-idr-flowspec-path-redirect
  Gunter Van de Velde 15 minutes
- 3) 15:45-16:00 - draft-bashandy-rtgwg-bgp-pic
  Ahmed Bashandy 15 minutes
- 4) 16:00-16:10 - draft-hegde-rtgwg-microloop-avoidance-usin-spring
  Shraddha Hegde 10 minutes
- 5) 16:10 - 16:20 - draft-agv-rtgwg-spring-segment-routing-mrt
  Anil Kumar S N 10 minutes
- 6) 16:20-16:30 - draft-acee-rtg-yang-key-chain
  Yingzhen Qu 10 minutes
- 7) 16:30-16:40 - draft-acee-rtgwg-yang-rib-extend
  Yingzhen Qu 10 minutes

Wrap Up
IETF 94 Routing Area WG Agenda
Thursday, November 5, 2015

1) 15:20-15:30 - draft-liu-rtgwg-yang-vrrp
   Xufeng Liu 10 minutes
2) 15:30-15:40 - draft-liang-rtgwg-staticrt-yang-cfg
   Vincent 10 minutes
3) 15:40-16:05 - OpenConfig models
   -- draft-ietf-rtgwg-policy-model
   -- draft-openconfig-rtgwg-local-routing
   -- draft-openconfig-rtgwg-network-instance
   Rob Shakir / Anees Shaikh 25 minutes
4) 16:05-16:25 - unified tunnel model discussion
   -- draft-li-rtgwg-utunnel-yang
   -- draft-li-rtgwg-tunnel-policy-yang
      -- draft-wwz-netmod-yang-tunnel-cfg
   -- draft-zheng-intarea-gre-yang
   -- draft-liu-intarea-gre-tunnel-yang
      -- draft-liu-intarea-ipipv4-tunnel-yang
   Zhenbin Li 20 minutes
5) 16:25 - 16:35 - draft-chen-rtgwg-resource-management-yang
   Xia Chen 10 minutes
6) 16:35 - 16:50 - draft-mwnpkazcap-rtgwg-common-oam
   Greg Mirsky 15 minutes
7) 16:50-17:00 - draft-nitish-vrrp-bfd
   Greg Mirsky 10 minutes
8) 17:00 - 17:20 - Routing YANG DT update
   --draft-rtgyangdt-rtgwg-device-model
   Acee Lindem / Lou Berger 20 minutes

Wrap Up
Charter Update(approved)

The Routing Area working group (RTGWG) is chartered to provide a venue to discuss, evaluate, support and develop proposals for new work in the Routing Area and may work on specific small topics that do not fit with an existing working group.

http://datatracker.ietf.org/wg/rtgwg/charter/
Milestones

Nov 2014

- Submit Remote LFA (link protection) for publication as Proposed Standard
  ([draft-ietf-rtgwg-remote-lfa](draft-ietf-rtgwg-remote-lfa))
  - RFC7490

Mar 2015

- Submit initial Internet Draft on Multicast IP Fast Reroute Architecture
  ([draft-ietf-rtgwg-mofrr](draft-ietf-rtgwg-mofrr))
  - RFC7431
Milestones

Nov 2015

• Submit Operational Management for LFA for publication as Proposed Standard
  ([draft-ietf-rtgwg-lfa-manageability](draft-ietf-rtgwg-lfa-manageability))
  - in RFC Ed Queue

• Submit Remote LFA (node protection) for publication as Proposed Standard
  ([draft-ietf-rtgwg-rlfa-node-protection](draft-ietf-rtgwg-rlfa-node-protection))
  - in routing directorate QA review (almost ready)

• Submit Document on Operational Experience of using BGP in a Data Center for publication as Informational ([draft-ietf-rtgwg-bgp-routing-large-dc](draft-ietf-rtgwg-bgp-routing-large-dc))
  - ready for submission

• Submit specification on Advanced IP Fast Reroute mechanism to IESG for publication as Proposed Standard ([draft-ietf-rtgwg-mrt-frr-algorithm](draft-ietf-rtgwg-mrt-frr-algorithm) / [draft-ietf-rtgwg-mrt-frr-architecture](draft-ietf-rtgwg-mrt-frr-architecture))
  - Updated drafts have been published

Apr 2016

• Submit MIB for IP Fast-Reroute for publication as Proposed Standard ([draft-ietf-rtgwg-ipfrr-ip-mib](draft-ietf-rtgwg-ipfrr-ip-mib))
Document Status (1)

- Published
  - Remote LFA FRR – RFC7490
  - MoFRR – RFC7331
Document Status (2)

- Publication Requested
  - Operational management of Loop Free Alternates
    - draft-ietf-rtgwg-lfa-manageability-11 – MISSREF (124 days!)
Document Status (3)

• New WG Drafts
  - Routing Policy Configuration Model for Service Provider Networks
    • http://datatracker.ietf.org/doc/draft-ietf-rtgwg-policy-model/
  - A YANG Data Model for Routing Information Protocol (RIP)
    • http://datatracker.ietf.org/doc/draft-ietf-rtgwg-yang-rip/
  - Destination/Source Routing
  - Microloop prevention by introducing a local convergence delay
    • http://datatracker.ietf.org/doc/draft-litkowski-rtgwg-uloop-delay/
Document Status (4)

• WG Drafts
  – SPF Back-off algorithm for link state IGPs
    • draft-ietf-rtgwg-backoff-algo
  – Use of BGP for routing in large-scale data centers
    • draft-ietf-rtgwg-bgp-routing-large-dc
  – Encapsulation Considerations
    • draft-ietf-rtgwg-dt-encap
  – Link State protocols SPF trigger and delay algorithm impact on IGP micro-loops
    • draft-ietf-rtgwg-spf-uloop-pb-statement
Document Status (5)

- WG Drafts
  - An Architecture for IP/LDP Fast-Reroute Using Maximally Redundant Trees
    - [draft-ietf-rtgwg-mrt-frr-architecture](#)
  - Algorithms for computing Maximally Redundant Trees for IP/LDP Fast-Reroute
    - [draft-ietf-rtgwg-mrt-frr-algorithm](#)
  - IP MIB for IP Fast-Reroute
    - [draft-ietf-rtgwg-ipfrr-ip-mib](#)
  - Remote-LFA Node Protection and Manageability
    - [draft-ietf-rtgwg-rlfa-node-protection](#)