Routing Area WG (rtgwg)

IETF 101 – London

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Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

• BCP 9 (Internet Standards Process)
• BCP 25 (Working Group processes)
• BCP 25 (Anti-Harassment Procedures)
• BCP 54 (Code of Conduct)
• BCP 78 (Copyright)
• BCP 79 (Patents, Participation)
• https://www.ietf.org/privacy-policy/ (Privacy Policy)
IPR Disclosure


• rtggwg 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.
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/
Administrivia

• Note takers:
  – Monday: Yingzhen Qu, Ignas Bagdonas
  – Thursday: Yingzhen Qu, Ignas Bagdonas
  – Jabber Scribe: Looking for a volunteer?

• Blue sheets --- please sign them!

• Agenda Bashing

• WG Update
Liaisons

• **BBF - TR-384 Cloud Central Office Reference Architectural Framework**

• Currently in IETF, the standards work on the interfaces of the disaggregated BNG has started. For example, the draft “Information model of control plane and user plane separation BNG”: [https://datatracker.ietf.org/doc/draft-cuspdt-rtgwg-cu-separation-infor-model/](https://datatracker.ietf.org/doc/draft-cuspdt-rtgwg-cu-separation-infor-model/)

• In addition, the draft “Requirements for the protocol of the control plane and user planes separation BNG”: [https://datatracker.ietf.org/doc/draft-cuspdt-rtgwg-cusp-requirements/](https://datatracker.ietf.org/doc/draft-cuspdt-rtgwg-cusp-requirements/)

• We look forward to continued IETF progress on the drafts for interfaces of the disaggregated BNG which will give operators a complete view of the BNG disaggregation. It also can provide a standardized way to manage multiple vendors in the BNG access devices and improve the cooperation and interconnection of different vendors’ devices. Therefore, the standards works are very important to the BNG disaggregation’s deployment and development.

• Please find the link to BBF TR-384 “Cloud Central Office Reference Architectural Framework”

1) 09:30-09:45 - WG Status Update
   Jeff Tantsura, Chris Bowers
   15 minutes

2) 09:45-09:55 - Routing Policy Model draft-ietf-rtgwg-policy-model
   Yingzhen Qu
   10 min

3) 09:55-10:05 - ARP YANG Model draft-ding-rtgwg-arp-yang-model
   Xiaojian Ding
   10 min

4) 10:05-10:15 - YANG Model for QoS (and QoS operational parameters)
   draft-asechoud-rtgwg-qos-model-03 draft-asechoud-rtgwg-qos-oper-model-00
   Aseem Choudhary
   10 min
5) 10:15-10:25 - Update from Routing Area YANG Architecture Design Team
Lou Berger
10min

6) 10:25-10:40 - Control and User Plane separation for BNG
draft-cuspdt-rtgwg-cu-separation-bng-deployment
draft-cuspdt-rtgwg-cusp-requirements
draft-cuspdt-rtgwg-cu-separation-infor-model
Gu Rong
15 min

7) 10:40-10:55 - Control and User Plane separation for BNG (YANG model)
draft-hu-rtgwg-cu-separation-yang-model
Fangwei Hu
15 min
8) 10:55-11:10 - gRPC Services on Network Devices - Implementation Update
Update on progress towards:
gNMI - config manipulation and streaming telemetry implementation.
gNOI - operational commands.
gRIBI - RIB injection service for gRPC.
Rob Shakir
15 min

9) 11:10-11:25 - Considerations on Network Virtualization and Slicing
draft-arkko-arch-virtualization
Jari Arkko
15 min

Khaled Omar
15 min
IETF 101 Routing Area WG Agenda
Thursday, March 22, 2018

1) 13:30-13:35 - Enterprise Multihoming using Provider-Assigned Addresses
draft-ietf-rtgwg-enterprise-pa-multihoming
Jen Linkova
5 min

2) 13:35-13:45 - Toward a Network Telemetry Framework draft-song-ntf
Haoyu Song
10 min

3) 13:45-13:55 - Enterprise to Cloud DC connectivity draft-dm-net2cloud-problem-statement
Linda Dunbar
10 min

4) 13:55-14:05 - Enhanced VPN draft-bryant-rtgwg-enhanced-vpn
Stewart Bryant
10 min

5) 14:05-14:15 - Testing of TI-LFA implementations
Carsten Rossenhoeven
10 min
Document Status (1)

- Published
  - RFC 8294, Common YANG Data Types for the Routing Area
Document Status (2)

✓ Publication Requested:
  • draft-ietf-rtgwg-yang-rip (RFC Ed Queue : MISSREF)
  • draft-ietf-rtgwg-yang-vrrp (RFC Ed Queue : AUTH48)
  • draft-ietf-rtgwg-uloop-delay (RFC Ed Queue : AUTH48)
  • draft-ietf-rtgwg-backoff-algo (IESG Evaluation::AD Followup)
  • draft-ietf-rtgwg-ni-model (RFC Ed Queue : MISSREF)
  • draft-ietf-rtgwg-lni-model (RFC Ed Queue : MISSREF)
  • draft-ietf-rtgwg-multihomed-prefix-lfa (AD Evaluation)

✓ WGLC finished:
  • Waiting for shepherd write up: draft-ietf-rtgwg-bgp-pic
  • draft-ietf-rtgwg-spf-uloop-pb-statement

✓ WGLC ready:
Document Status (3)

• Working group drafts
  • draft-ietf-rtgwg-dst-src-routing
  • draft-ietf-rtgwg-enterprise-pa-multihoming
  • draft-ietf-rtgwg-policy-model
  • draft-ietf-rtgwg-routing-timer-param-sync
  • draft-ietf-rtgwg-vrrp-bfd-p2p
Document Status (4)

- Related Active drafts (not working group documents):
  - draft-acee-rtgwg-yang-rib-extend
  - draft-asechoud-rtgwg-qos-model
  - draft-asechoud-rtgwg-qos-oper-model
  - draft-bashandy-rtgwg-segment-routing-ti-lfa
  - draft-bashandy-rtgwg-segment-routing-uloop
  - draft-bryant-rtgwg-enhanced-vpn
  - draft-cuspdt-rtgwg-cu-separation-bng-deployment
  - draft-cuspdt-rtgwg-cu-separation-infor-model
  - draft-cuspdt-rtgwg-cusp-requirements
  - draft-hu-rtgwg-cu-separation-yang-model
Document Status (5)

- Related Active drafts (not working group documents):

  - draft-ding-rtgwg-arp-yang-model
  - draft-dong-rtgwg-enhanced-vpn-protocol
  - draft-dt-rtgwg-dcrouting-requirements
  - draft-kapoor-rtgwg-dynamic-multipath-routing
  - draft-lanzhangwang-rtgwg-npmnrp
  - draft-lee-rtgwg-actn-applicability-enhanced-vpn
  - draft-ooamdt-rtgwg-ooam-header
  - draft-openconfig-rtgwg-gnmi-spec
  - draft-sl-rtgwg-far-dcn