

# IDR at IETF 84

Chairs slides

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# Agenda

- Administrivia 10 minutes
- BGP Flow-spec Extended Community for Traffic Redirect to IP Next op  
<http://tools.ietf.org/html/draft-simpson-idr-flowspec-redirect-01>  
Adam Simpson 10 minutes
- BGP Tunnel Address Prefix Attribute and Tunnel Address Prefix Extended Community
- <http://tools.ietf.org/html/draft-xu-idr-tunnel-address-prefix-01>
- Xuxiaohu 15 minutes
- Transitive BGP Graceful Restart
- <http://tools.ietf.org/html/draft-zhang-idr-transitive-gr-00>
- Alvaro Retana 10 minutes
- North-Bound Distribution of Link-State and TE Information using BGP
- <http://datatracker.ietf.org/doc/draft-gredler-idr-ls-distribution/>
- Stefano Previdi 5 minutes o
- Using BGP for routing in large-scale data centers
- <http://tools.ietf.org/html/draft-lapukhov-bgp-routing-large-dc-01>
- Petr Lapukh 20 minutes
- o Autonomous System (AS) Reservation for Private Use
- <http://tools.ietf.org/html/draft-mitchell-idr-as-private-reservation-00>
- Jon Mitchell 15 minutes
- Speaker shuffling time 5 minutes Total 1 hour 30 minutes

# Status - outgoing

- Published RFCs
  - [RFC 6608 \(draft-ietf-idr-fsm-subcode-03\)](#)
- Approved Waiting for RFC editor
  - Draft-ietf-idr-as0-05
- Approved Waiting for AD write-up
  - [draft-ietf-idr-rfc4893bis-07](#)
- Submitted for IESG approval
  - Draft-ietf-bgp-issues-01
- In MIB Doctor review
  - Draft-idr-bgp4-mibv2

# Status

Added since Last IETF

- draft-ietf-idr-rfd-usage-00

WG Adoption Call Closed not adopted

- draft-uttaro-idr-bgp-persistence

# Looking for implementations

- draft-ietf-idr-aigp-07
- draft-ietf-idr-as4octet-extcomm-generic-subtype-05
- draft-ietf-idr-bgp-enhanced-route-refresh-01
- draft-ietf-idr-bgp-flowspec-oid
- draft-ietf-idr-bgp-gr-notifications
- draft-ietf-idr-bgp-ipv6-rt-constrain-01
- Draft-ietf-idr-bgp-nh-cost-01
- draft-ietf-idr-bgp-optimal-route-reflection-02
- **Draft-ietf-idr-bgp-mibv2-13**
- draft-ietf-idr-bgp-multisession-06

# Looking for implementations (2)

- draft-ietf-idr-custom-decision
- draft-ietf-idr-dynamic-cap-14
- draft-ietf-idr-enhanced-gr-01
- Draft-ietf-idr-error-handling-02
- draft-ietf-idr-ext-opt-param-02
- draft-ietf-idr-legacy-rtc-00
- Draft-ietf-idr-link-bandwidth-02
- Draft-ietf-mrai-dep-dep
- Draft-ietf-idr-rfc4760bis

# Upgrades

Need implementations for these upgrade drafts:

- Draft-ietf-idr-as4octet-extcomm-generic-subtype-05
- Draft-ietf-idr-bgp-enhanced-route-refresh-01

BIS-es

- draft-ietf-idr-rfc4760bis-03 (MP-BGP)



# NM - MIBS

- Draft-ietf-idr-bgp-mibv2-13 –
  - Heading for Last call (see messages)
- Draft-ietf-idr-bgp-mibv2-tc-mib-03
  - Will be coming

# Status Error Handling (Group)

Key draft by Grow WG:

- draft-error-handling-02
  - Still getting good implementation reports

## **Other documents:**

- draft-idr-as0-03 – passed WGLC
- draft-idr-bgp-extended-messages
- Draft-idr-operational-message-00

## **Upgrade Documents**

- Draft-ietf-idr-as4octet-extcomm-generic-subtype-05

Draft with combination list & process for upgrade

- Draft-hares-RFC4271-error-update-00 (coming)

# Status Graceful Restart

- Graceful Restart Respin started
- Goal:
  - Clarify operational modes (helper, managed, headless),
  - Fix bugs, clarify language
- Related drafts
  - Draft-idr-bgp-gr-notification-00
  - Draft-idr-enhanced-gr-00

Draft with combination list & process for upgrade

- Draft-hares-RFC4271-GR-update-00 (coming)

# Status Route Refresh/ORF update

- Route Refresh Update

Draft-ietf-idr-bgp-enhanced-route-refresh-0

- Goal:
  - Collect changes to RR
  - Update Pull in any ORF (Add your proposals)

Draft with combination list & process for upgrade

- Draft-hares-RFC4271-RR-ORF-update-00 (coming)

# Servers

- draft-ietf-ix-bgp-route-server-03

# BGP Paths & Path Selection

- Draft-idr-add-paths-06
  - Draft-idr-add-paths-guidelines-01
  - Draft-idr-best-path-external-06
  - Idr-bgp-nh-cost-00
  - [draft-ietf-idr-custom-decision](#)
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- Still looking for implementations
  - Path Calculation will be consider as a cluster after Error, GR, RR/ORF –

Q & A