

Directory Assisted TRILL Edge Status

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Directory Assisted TRILL Edge

- RFC 7067, “Directory Assistance Problem and High-Level Design Proposal”
- Scenario: One or more Push or Pull directories.
 - Directory information can be used for ARP/ND optimization, reduced or eliminated unknown destination address flooding, and protection against forged source addresses.
 - Push Directories push info to anyone subscribing using the ESADI protocol (RFC 7357).
 - Pull Directories respond to queries from edge TRILL switches.
 - Directory information is a set of “addresses” for an interface/port, such as an IP address, MAC address, and TRILL switch nickname from which that interface is reachable.

Directory Assist Drafts

- draft-ietf-trill-directory-assist-mechanisms-03
 - Specifies the push and pull directory mechanisms.
- draft-ietf-trill-ia-appsubtlv-05
 - Specifies a data format for directory information on the wire.
 - ia = interface addresses.
- draft-ietf-trill-directory-assisted-encap-01
 - Uses directory and existing TRILL features for pre-encapsulation on CE for ingress and de-capsulation at edge RBridge on egress.
- draft-ietf-trill-arp-optimization-01
 - Uses directory for local ARP and ND responses.
- draft-ietf-trill-channel-tunnel-07
 - Specifies two orthogonal extensions to the Rbridge Channel feature (see RFC 7178): security and payload type.

Directory Assist Drafts

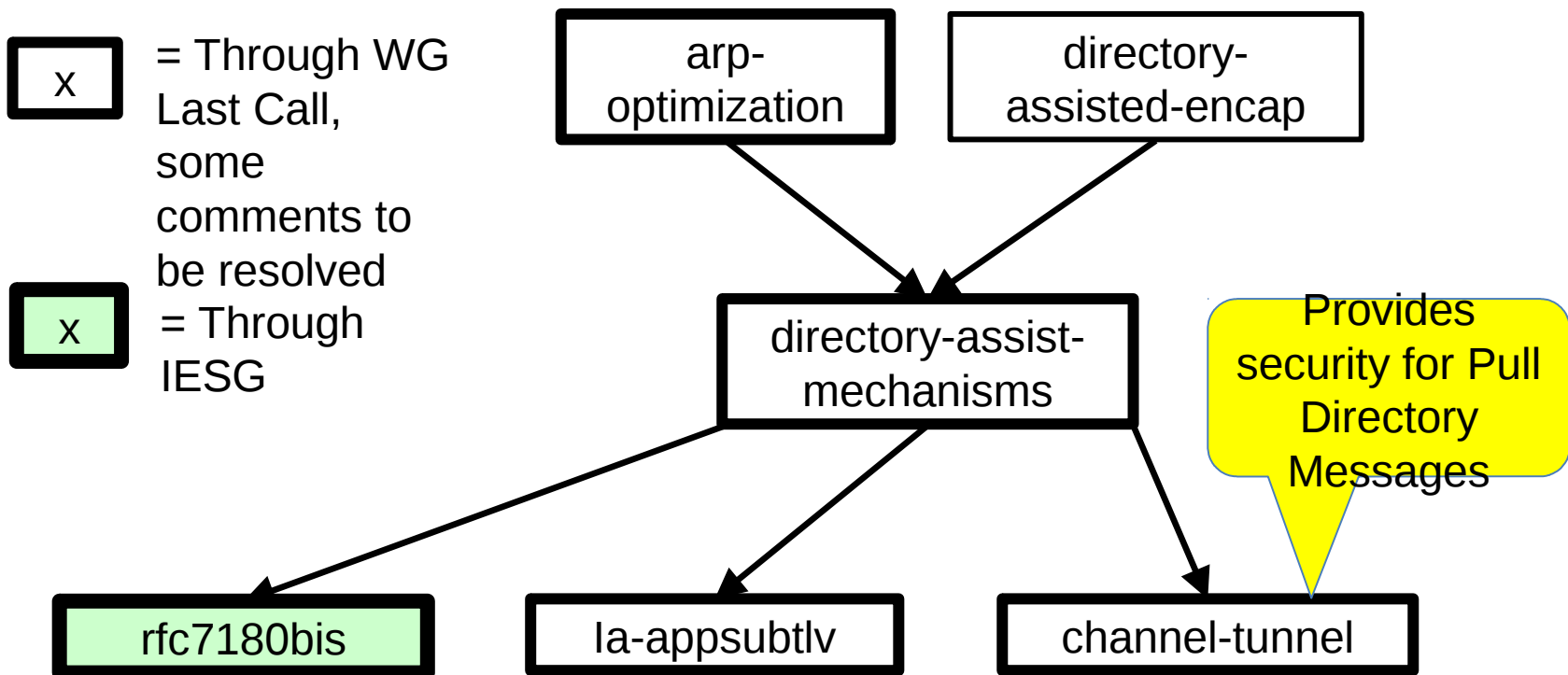
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Directory Assisted TRILL Edge

- Draft dependencies



Directory Assisted TRILL Edge

- Most Recent Presentations:
 - draft-ietf-trill-directory-assist-mechanisms-01
 - <http://www.ietf.org/proceedings/88/slides/slides-88-trill-3.pdf>
 - draft-ietf-trill-ia-appsubtlv-02
 - <http://www.ietf.org/proceedings/88/slides/slides-88-trill-3.pdf>
 - draft-dunbar-trill-directory-assisted-encap-08
 - <http://www.ietf.org/proceedings/90/slides/slides-90-trill-7.pdf>
 - draft-yizhou-trill-arp-optimization-01
 - <http://www.ietf.org/proceedings/interim/2015/02/04/trill/slides/slides-interim-2015-trill-1-1.pdf>
 - draft-ietf-trill-channel-tunnel-04
 - <https://www.ietf.org/proceedings/92/slides/slides-92-trill-5.pdf>

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