

Directory Assisted TRILL Edge Status

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Directory Assisted TRILL Edge

- 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.
 - See RFC 7067, “Directory Assistance Problem and High-Level Design Proposal”
 - 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.

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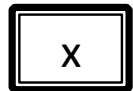
- Most Recent Presentations:
 - draft-ietf-trill-directory-assist-mechanisms-00
 - <http://www.ietf.org/proceedings/88/slides/slides-88-trill-3.pdf>
 - draft-ietf-trill-ia-appsubtlv-01
 - <http://www.ietf.org/proceedings/88/slides/slides-88-trill-3.pdf>
 - draft-ietf-trill-channel-tunnel-01
 - <http://www.ietf.org/proceedings/88/slides/slides-88-trill-0.pdf>
 - draft-dunbar-trill-directory-assisted-encap-08
 - <http://www.ietf.org/proceedings/90/slides/slides-90-trill-7.pdf>

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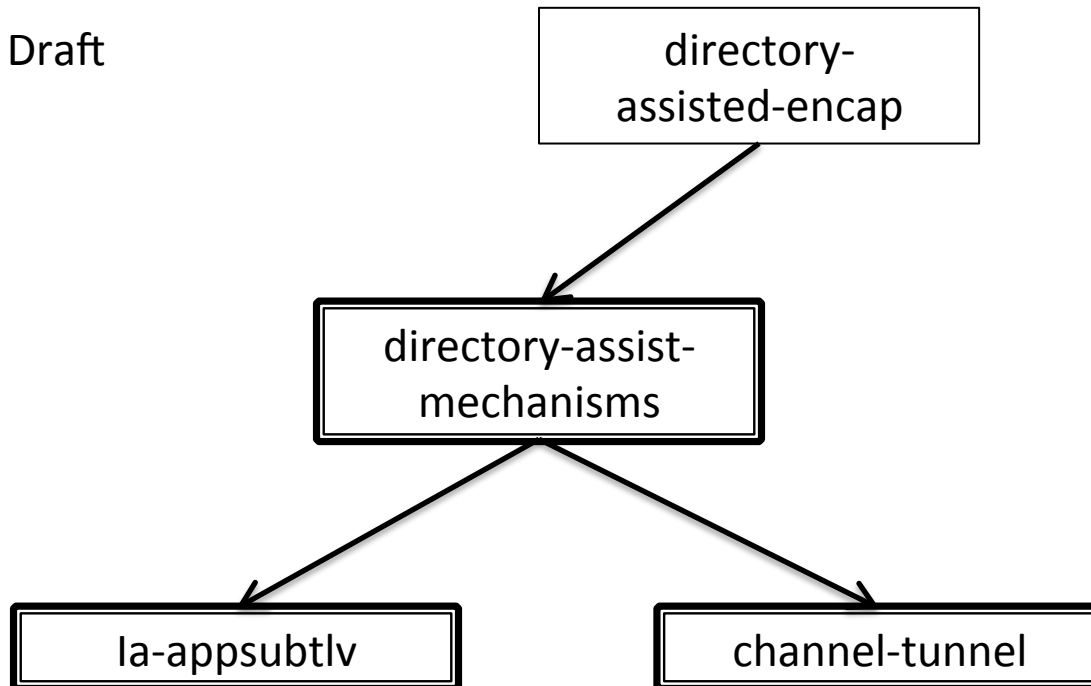
- Drafts
 - draft-ietf-trill-directory-assist-mechanisms-00
 - Specifies the push and pull directory mechanisms.
 - draft-ietf-trill-ia-appsubtlv-01
 - Specifies a data format for directory information on the wire.
 - ia = interface addresses.
 - draft-ietf-trill-channel-tunnel-01
 - Specifies three orthogonal extensions to the RBridge channel feature (see RFC 7178): security, payload type, and “scope”.
 - draft-dunbar-trill-directory-assisted-encap-08
 - Uses directory and existing TRILL feature to support pre-encapsulation on CE for ingress with de-capsulation at edge TRILL switch on egress.

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- Draft dependencies



= WG Draft



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- Recommend call for WG adoption of directory-assisted-encap

