

# Directory Assisted TRILL Edge Status

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# Directory Assisted TRILL Edge

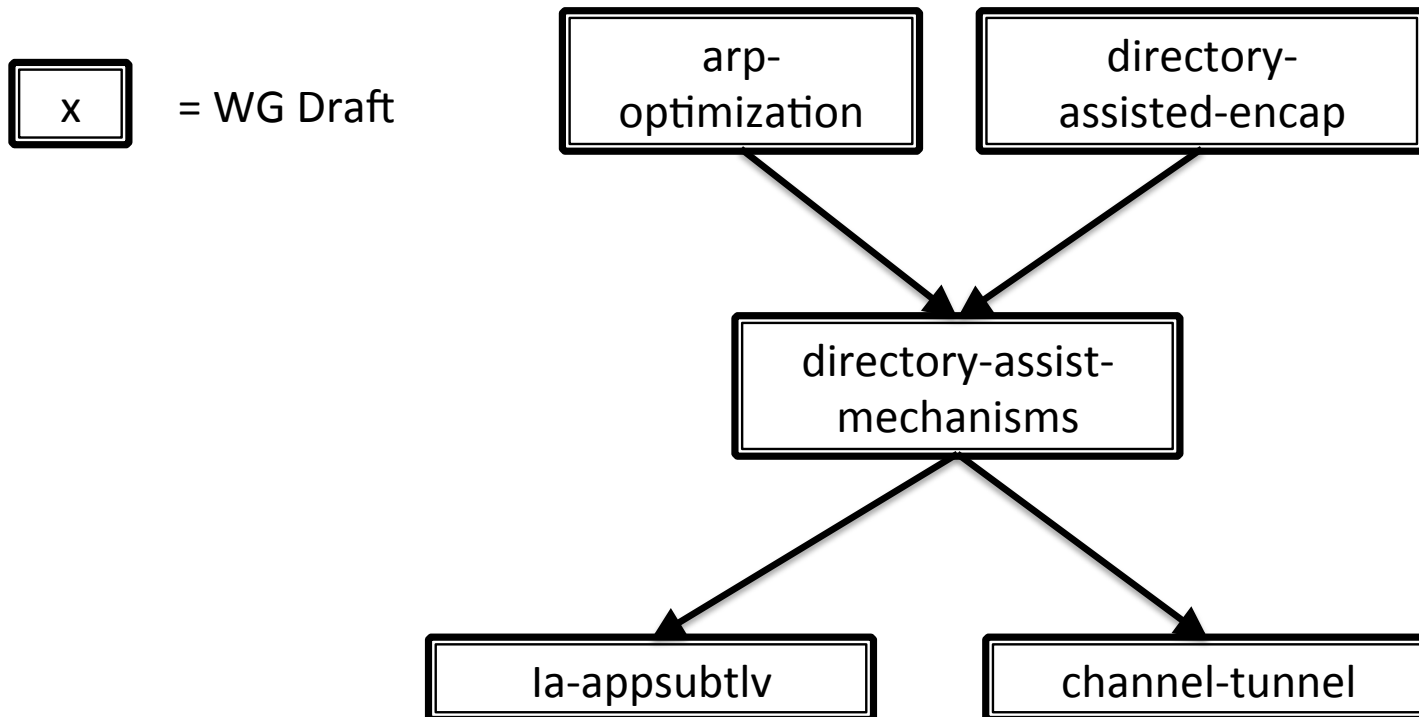
- **RFC 7067, “Directory Assistance Problem and High-Level Design Proposal”**
- Scenario: One or more Push or Pull directories.
  - Directory information can be used for ARP/ND optimization, reduced or eliminated unknown destination address flooding, and protection against forged source addresses.
  - 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-01
  - Specifies the push and pull directory mechanisms.
- draft-ietf-trill-ia-appsubtlv-02
  - Specifies a data format for directory information on the wire.
  - ia = interface addresses.
- draft-ietf-trill-directory-assisted-encap-00
  - Uses directory and existing TRILL features for pre-encapsulation on CE for ingress and de-capsulation at edge RBridge on egress.
- draft-yizhou-trill-arp-optimization-01
  - Uses directory for local ARP and ND responses.
- draft-ietf-trill-channel-tunnel-04
  - Specifies two orthogonal extensions to the Rbridge Channel feature (see RFC 7178): security and payload type.

# 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
    - <http://www.ietf.org/proceedings/88/slides/slides-88-trill-0.pdf>

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