

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 any RBridge subscribing using the ESADI protocol [RFC7357]. Pull Directories respond to queries from edge TRILL switches using RBridge Channel messages.
 - . 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.

TRILL Directory Assist Drafts

- “ draft-ietf-trill-directory-assist-mechanisms-01.txt
 - . Specifies the push and pull directory mechanisms.
- “ draft-ietf-trill-ia-appsubtlv-02.txt
 - . Specifies data format of directory information on the wire.
 - . ia = interface addresses.
- “ draft-ietf-trill-directory-assisted-encap-00.txt
 - . Uses directory and existing TRILL feature to support pre-encapsulation on CE for ingress with de-capsulation at edge TRILL switch on egress.
- “ draft-yizhou-trill-arp-optimization-00.txt
 - . Using directory information to respond to ARP and ND messages.

Draft Status

- “ draft-ietf-trill-directory-assist-mechanisms-01.txt
 - . Need work on state machine for Push and error handling.
- “ draft-ietf-trill-ia-appsubtlv-02.txt
 - . Probably ready for WG Last Call but no rush.
- “ draft-ietf-trill-directory-assisted-encap-00.txt
 - . I think this needs a little work.
- “ draft-yizhou-trill-arp-optimization-00.txt
 - . Still a personal draft.

Draft Dependencies

