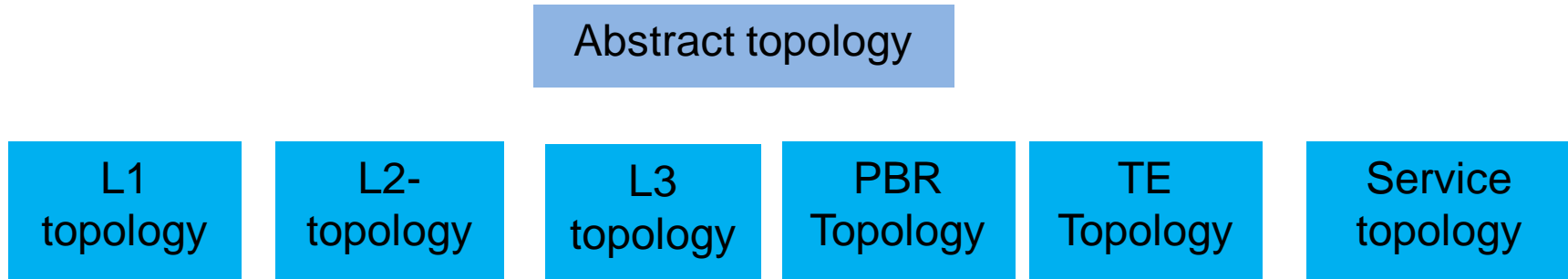


Protocol Independent Data Models

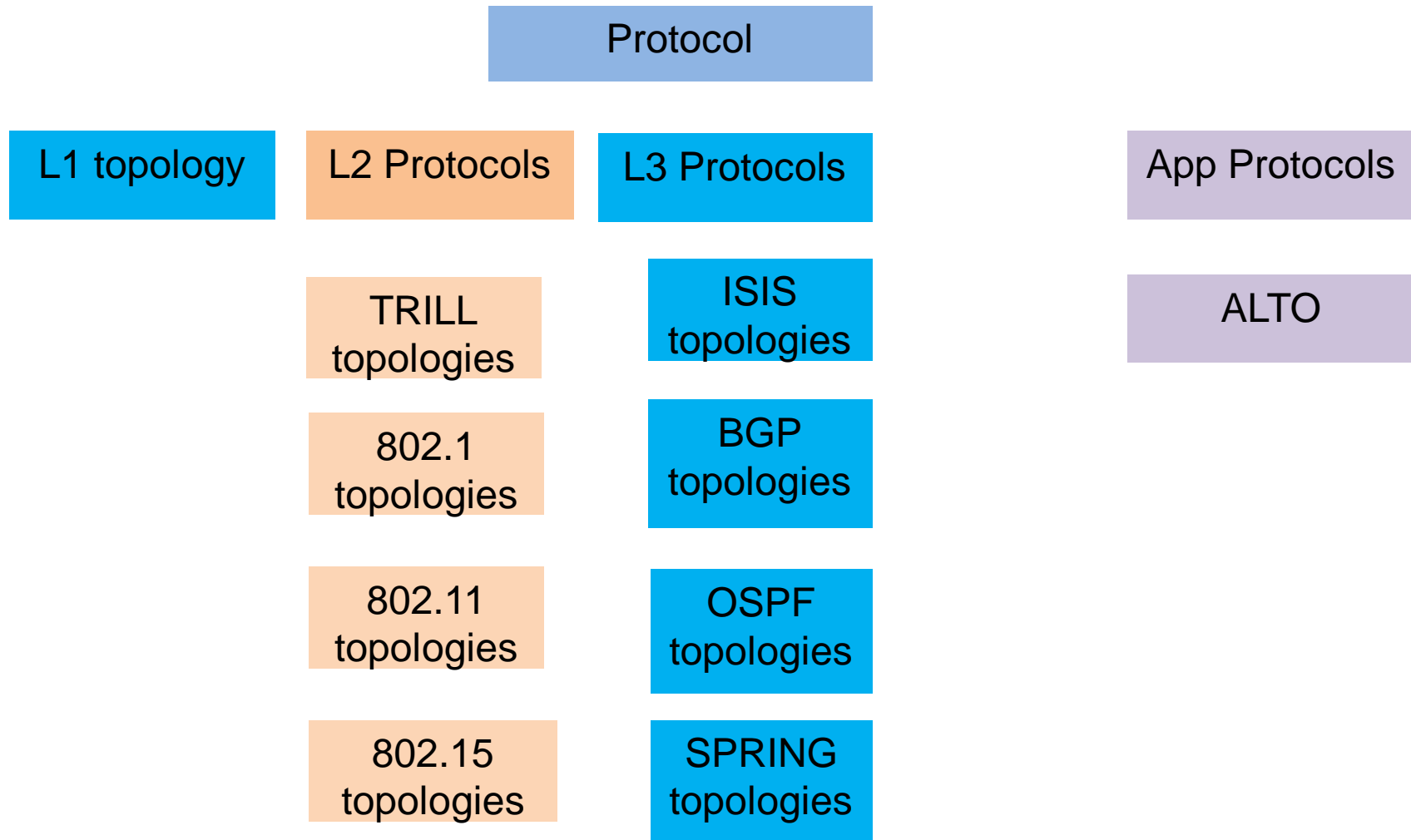
Sue Hares

Protocol Independent Topologies



- ” draft-sraft-clemm-i2rs-yang-network-topo-02
- ” draft-clemm-i2rs-yang-network-topo
- ” draft-clemm-i2rs-yang-l3-topo
- ” draft-liu-yang-abstract-te-topo
- ” draft-dong-i2rs-l2-network-topology

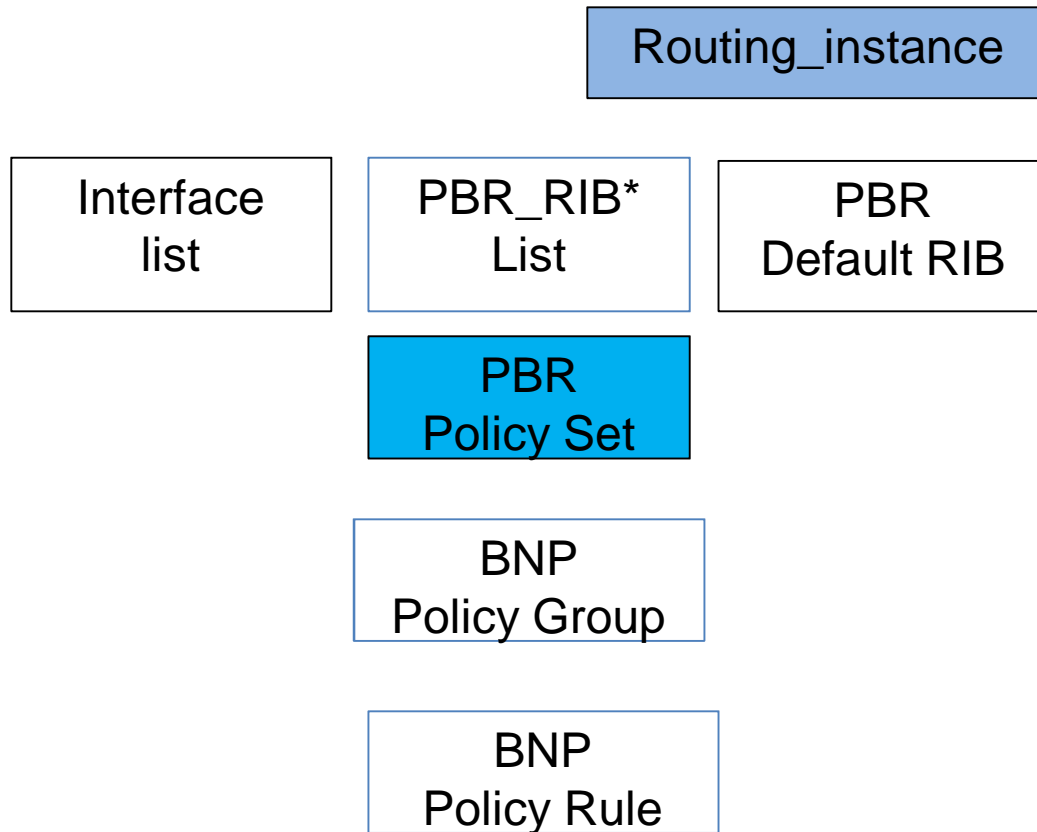
Protocol Dependent Topologies



PRB

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Anoop Ghanwani (Dell), Ram Krishnan
Brocade], Qin Wu (Huawei),
Dean Bogdanovic (Juniper)

Protocol Dependent Topologies



Top-level yang diagram for PBR

module: PBR

+--PRB-RIB-module

+--rw pbr-instance-name

+--rw pbr-router-id uint32

+--rw pbr-interface*

| +--rw pbr-interface interface-ref-id

+--rw PBR-Default-RIB

+--rw PBR-RIB

+--rw PBR-RIB-Name

+--rw PBR-RIB-AFI

+--rw PBR-RIB-intf*

+--rw PBR-status-info

| +--rw pbr-update-ref uint64

+--rw PBR-Ordered-Route-Policy

+--rw pbr-group-policy* [group-ppolicy-ref]

....

+--rw probr-policy-set [policy-set-name]

+--rw pbr-group-policy* [group-policy-ref]

- | +--rw group-policy-ref uint16
 - | +--rw group-policy-name string
 - | +--ro group-policy-status-info
 - | | +--ro group-policy-status
 - | | +--ro group-policy-inactive-reason
 - | **+--rw policy-rule* [policy-rule-ref]**
 - | | +--rw policy-rule-ref
 - | | +--ro policy-rule-status-info
 - | | | +--ro policy-rule-status enumeration
 - | | | +--ro policy-rule-inactive-reason
 - | | **+--rw pbr-match-filter* [nr-policy-match]**
 - | | | +--rw pbr-match-term
 - | | | | +--rw pbr-match-condition
 - | | | | | +--rw nr-policy-match
 - | | | | | +--rw pbr-ipv4-matches
 - | | | | | +--rw pbr-ipv6-matches
 - | | | | | +--rw pbr-transport-matches
 - | | | | | +--rw pbr-combo-operator
 - | | | | **+--rw pbr-rule-action**
 - | | | | **+--rw pbr-forwarding action**

+--rw prb-rule-action

- | +--rw pbr-QOS-acts [nbr-act]
- | +--rw npbr-act
 - | +--rw set-in-ipv4-packet
 - | +--rw set-in-ipv6-packet
 - | +--rw set-vendor

+--rw pbr-forwarding-actions

- | +--rw pbr-std-fwd enumeration
- | +--rw pbr-vendor-fw enumeration