

# BGP for Mirror Binding

draft-chen-idr-mbinding-00

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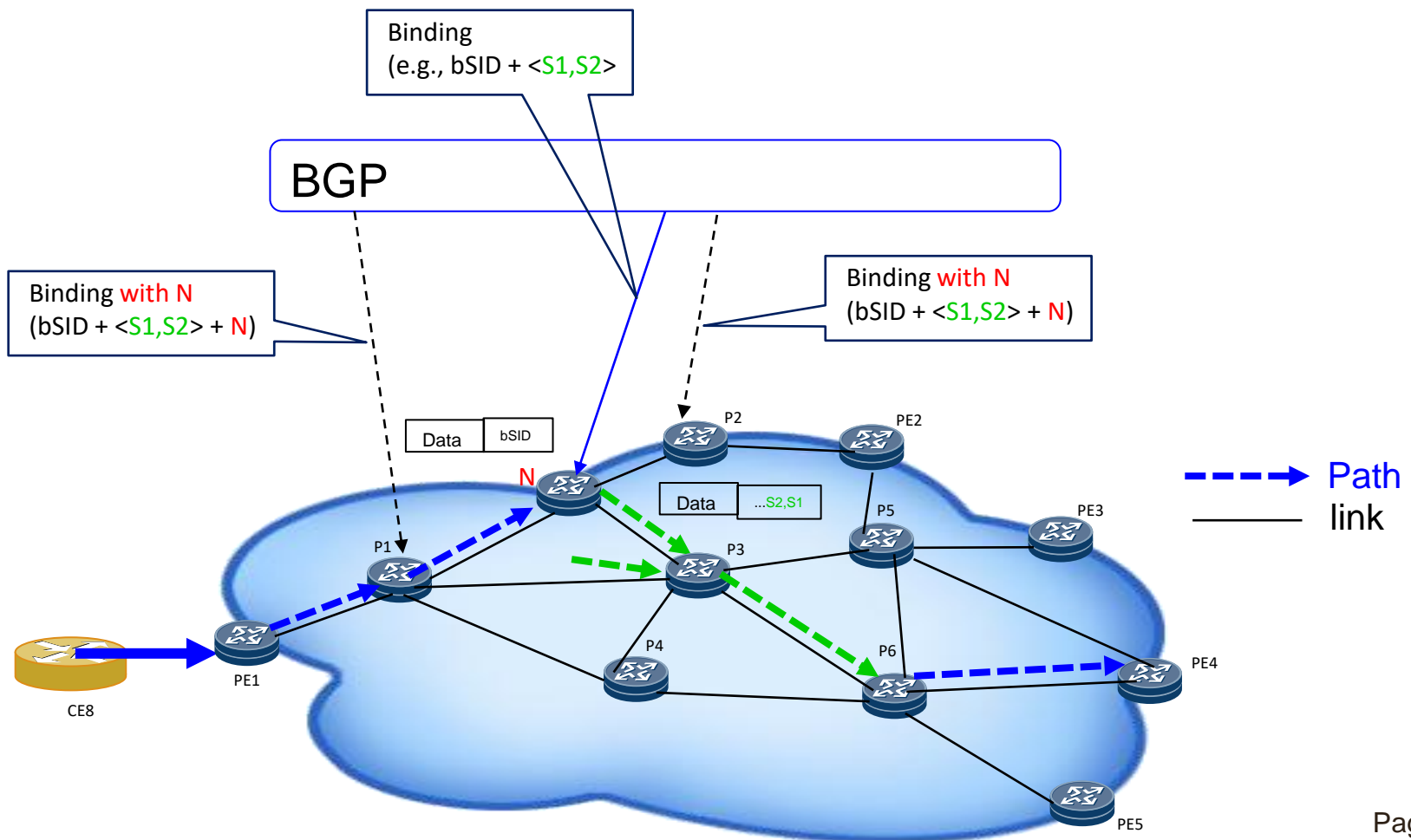
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IETF 115

# Overview

SR path with Binding (BSID with a list of SIDs for another path segment):

1. BGP sends Binding to node N
2. Node N replaces BSID in packet with the list of SIDs and sends packet along the path segment defined by the list of SIDs
3. **Extensions**: BGP sends **Binding with N** to N's neighbors



# Extensions to BGP

Tunnel Encapsulation Attribute TLV of type 15 (i.e., SR Policy TLV):

- Existing sub-TLVs (for Binding, Binding SID + Segment List)
- **Binding Protection sub-TLV**

Attributes:

Tunnel Encapsulation Attribute (23)

Tunnel Type (15): SR Policy TLV

Preference sub-TLV

Binding SID sub-TLV

SRv6 Binding SID sub-TLV

Explicit NULL Label Policy (ENLP) sub-TLV

Priority sub-TLV

Policy Candidate Path Name sub-TLV

Policy Name sub-TLV

**Binding Protection sub-TLV**

Segment List sub-TLV

Weight sub-TLV

Segment sub-TLV

Segment sub-TLV

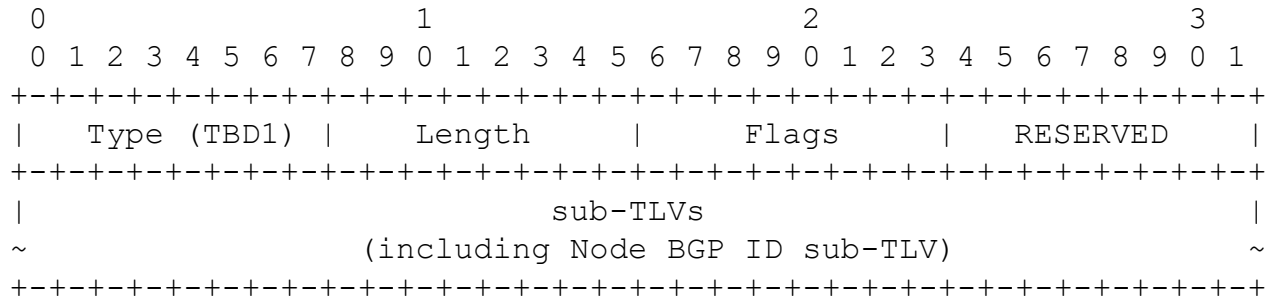
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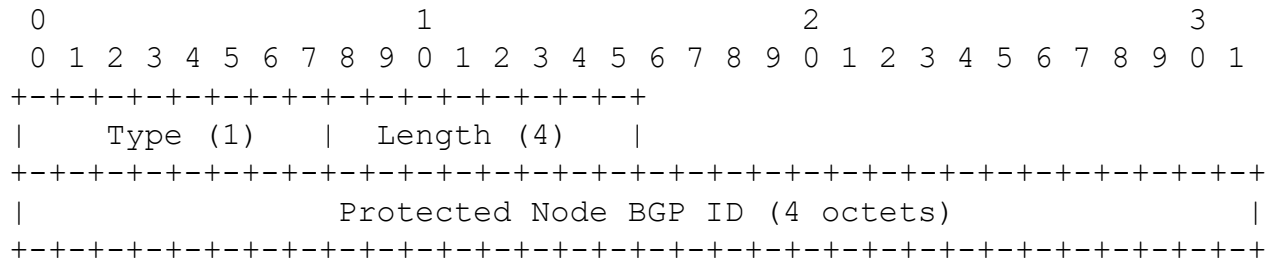
# Binding Protection sub-TLV

It contains:

- Node BGP ID sub-TLV: identifier of the node



Binding Protection sub-TLV



Node BGP ID sub-TLV

# Next Step

- Comments