

BMP for BGP Route Leak Detection

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Actions Against Route Leaks

- Route leak prevention
 - Inbound/outbound prefix/peer/AS filtering policies
- **Route leak detection**
 - **Intra-AS: business relation analysis of ingress + egress nodes within an AS**
 - Inter-AS: business relation analysis of upstream ASes
- Route leak mitigation
 - Reject or reduce priority of invalid routes

RLD TLV for BMP Route Monitoring Message

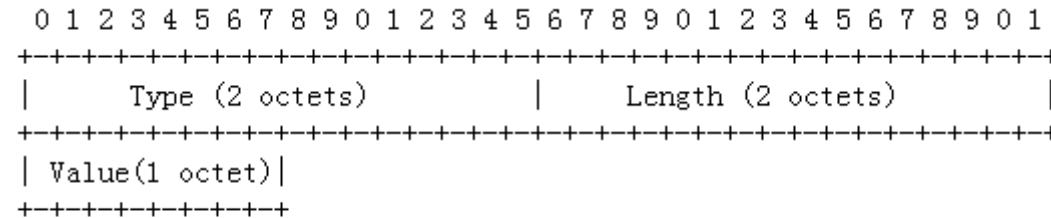


Figure 1: RLD TLV

Value	Business Relationship
0	P2C
1	C2P
2	P2P
3	I2I

Single ISP Deployment Example

