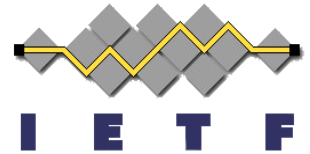


LSVR BGP-SPF Implementation

IETF-108 Online

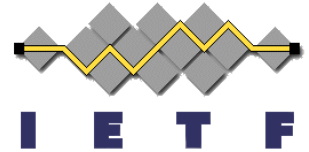
July, 2020

Pushpasis Sarkar
Keyur Patel
Santosh Pallagatti
Basil Saji



Implementators

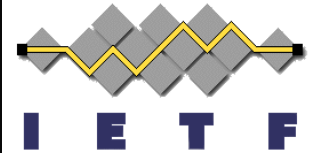
- ArcOS
 - Pushpasis Sarkar
- FRR routing stack
 - Santosh Pallagatti
 - Basil Saji



Implementation Report

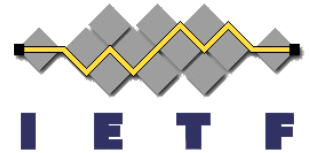
Implementations	BGP Single-Hop Peering on Network Node Connections [draft-ietf-lsvr-bgp-spf section 2.1]	BGP Peering Between Directly Connected Network Nodes [draft-ietf-lsvr-bgp-spf section 2.2]	BGP Peering in Route-Reflector or Controller Topology [draft-ietf-lsvr-bgp-spf section 2.2]
ArcOS	Yes	Yes	Yes
FRR	Yes	Yes	Yes

Implementation Report (cont'd)

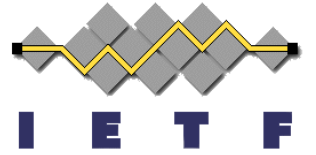


Participant	Send/Recv	Node NLRI Attribute SPF Capability TLV	Node/Link /Prefix NLRI Attribute SPF Status TLV	Link NLRI Attribute IPv4 Prefix- Length TLV	Link NLRI Attribute IPv6 Prefix- Length TLV	Attribute Sequence- Number TLV
ArcOS	Send	Yes	Yes	Yes	Yes	Yes
	Recv	Yes	Yes	Yes	Yes	Yes
FRR	Send	Yes	Yes	Yes	Yes	Yes
	Recv	Yes	Yes	Yes	Yes	Yes

Implementation Report (cont'd)



Participant	Phase 1 – NLRI Selection	Dual Stack Support	SPF Calculation based on BGP-LS NLRI
ArcOS	Yes	Yes	Yes
FRR	-	-	-



Thank you