EVPN AC-aware Bundling
IETF-111

A. Sajassi (Cisco), P. Brissette (Cisco), M. Mishra (Cisco), S. Thoria (Cisco)
J. Rabadan (Nokia)
J. Drake (Juniper)

July, 2021
Broadcast Domain (B3)

Broadcast Domain (B1)

Broadcast Domain (B2)

ARP
MAC
IGMP
synchronization

MAC 1 | BE1.1

ESI: XYZ

MAC 1 | BE1.1

MAC 1 | ESI: XYZ | NH: B1 | VID: 10
Next Step

✓ Shipping solution to several customers - (Cisco)
✓ Multi-vendors draft

◆ Seeking for comments and workgroup Adoption ◆
EVPN VPWS Seamless migration

IETF-111

Cisco, Juniper, Nokia, ATT, Bell Canada, Linkedin, Verizon Wireless, Comcast

July, 2021
draft-brissette-bess-evpn-vpws-seamless  
(May 2020)

Cisco, ATT, Bell Canada, Linked, Verizon Wireless

draft-lin-bess-evpn-bgp-based-l2vpn-seamless-integ  
(May 2020)

Juniper, Nokia, Comcast

MERGING  
(VPWS)

draft-brissette-bess-evpn-vpws-seamless  
(July 2021)

Cisco, ATT, Bell Canada Linked, Verizon Wireless  
+  
Juniper, Nokia, Comcast
Next Step

✓ Shipping solution to several customers - (Cisco, others)
✓ Multi-operators sponsored
✓ Multi-vendors draft

Seeking for comments and workgroup Adoption
EVPN FAST DF recovery

IETF-111

P. Brissette (Cisco), A. Sajassi (Cisco), LA. Burdet (Cisco)
J. Drake (Juniper)
J. Rabadan (Nokia)

July, 2021
Approach #1
DF Election Handshake

No objection over BESS alias

Approach #2
NTP-based Synchronization

In shipping product
Multi-vendor agreement

draft-ietf-bess-evpn-fast-df-recovery-02

NTP-based Synchronization
Next Step

✓ Shipping solution to several customers - (Cisco)
✓ Multi-vendors draft

Seeking for comments, asking for WGLC