Extended Mobility Procedures for EVPN-IRB

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RECAP – Host Mobility Extensions for EVPN IRB Scenarios

- Mobility procedures for across various EVPN-IRB scenarios:
  - Fixed MAC <-> IP binding across host moves
  - Host IP moves to a different MAC binding
  - Host MAC moves to a different IP binding
  - Routed Overlay – IP mobility
- Duplicate Address Detection for advanced EVPN-IRB scenarios:
  - Duplicate MAC detection (baseline)
  - Duplicate IP detection with different MAC bindings (no duplicate MAC)
  - Duplicate IP detection in a routed overlay (no MAC advertisements)
- Duplicate Host Recovery for above scenarios

Updates

- New section on Mobility Convergence section (section 7.8).
  - Details specific triggers, where ARP/ND probes MAY be used for faster convergence on mobility events as well as how this may be achieved via a common MAC-IP -> MAC, child to parent resolution relationship that is also used for sequence number inheritance in the document.

Status

- Multiple Vendor Implementations.
- In WGLC queue.
- No outstanding comments / happy to get any additional comments before WGLC.