Suggestion for L2 and L3 Streams

16-07-2013

IEEE 802.3 Plenary Meeting – Geneva

Marcel Kießling, Siemens AG
Connection between two IP Addresses

- IP Address in the same Subnet?
  - **YES:** L2 Forwarding to the target
  - **NO:** L2 Forwarding to the next router
**IP and Layer 2 in a network**

- **DA MAC** address is only valid inside a L2 network / IP Subnet

  ![Diagram](image)

- **DA IP** address is fixed over whole connection
  - **L2 Forwarding** to the **target** (Listener)
  - or to the **next router** (closer to target-subnet)
Mapping between L2 and L3

- Mapping of L3 Routes on L2 Paths
- Connection between L2 domains using L3 “forwarding” in router
IP Multicast maps to L2 Multicast

- Mapping of L3 Routes to L2 Paths needed
- Connection between L2 domains using L3 in router

Multicast IP – L2 MAC Address Mapping

```
| DA | SA | VLAN | H | SA | DA |
```

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Additional Information

Layer 2 and Layer 3 uses the same HW: