

Access Node Control Protocol for Source Address Validation

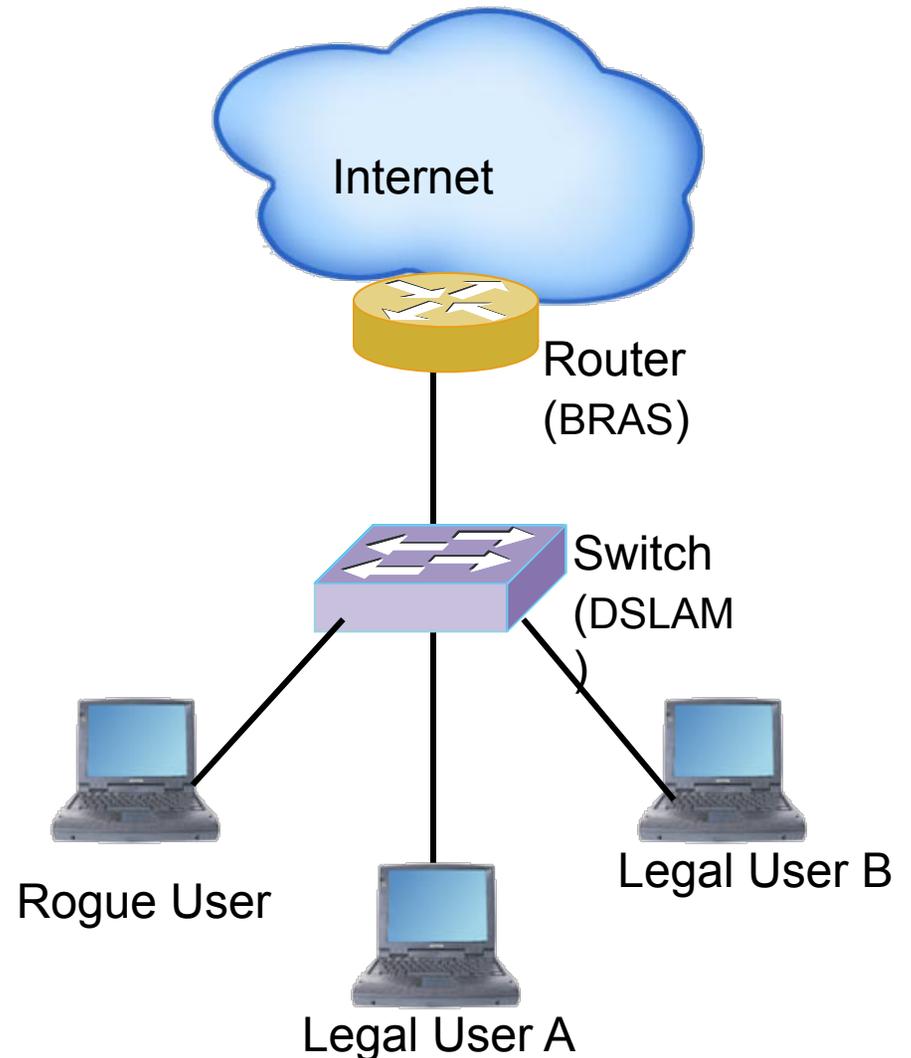
draft-kaippallimalil-ancp-sav-00.txt

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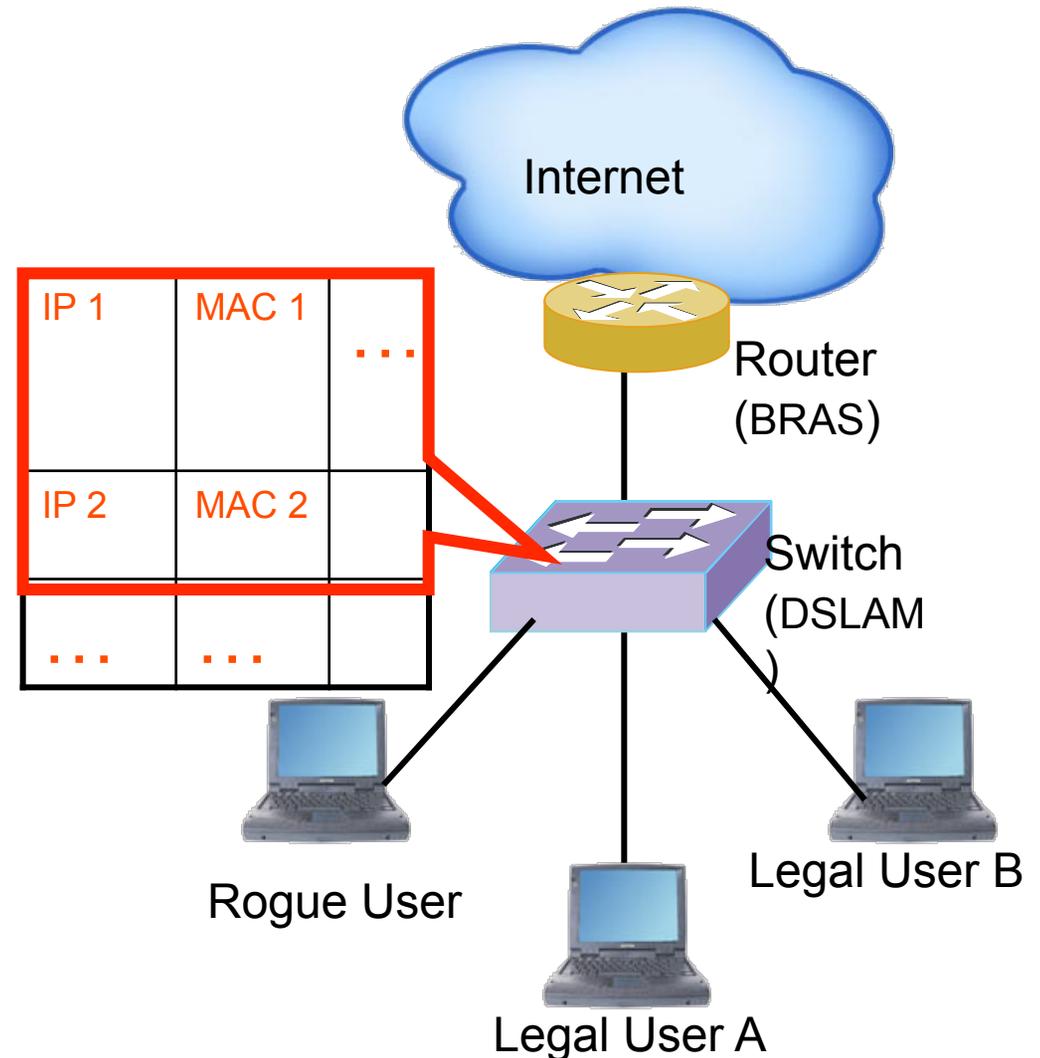
Scenario

- **Source Address Validation** is to prevent the rogue user from using addresses of legal users
- **Both switches** (DSLAM in BBF) **and routers** (BRAS in BBF) **can enforce source address validation.**



Existing Solution

- **Source address validation states are usually built up in the switch**
- **Data and control plane traffic between hosts and the router is used for the states establishment .**

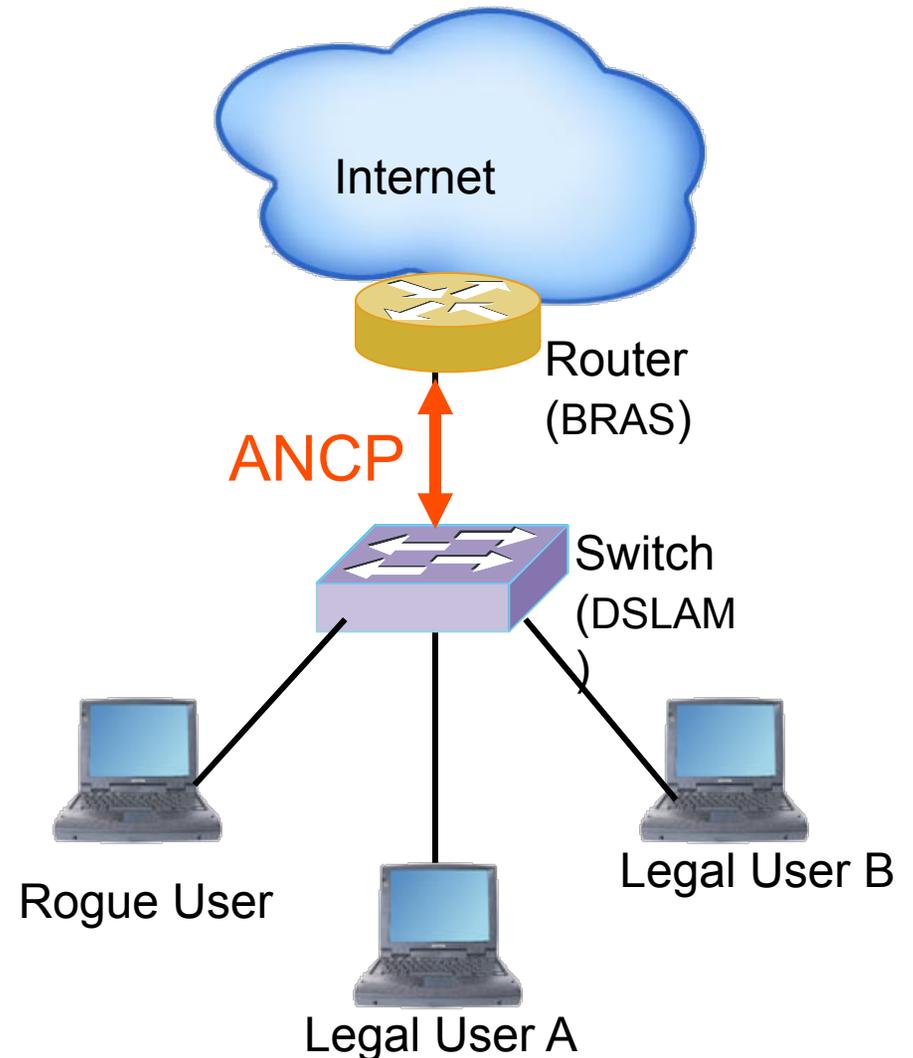


Proposed Solution

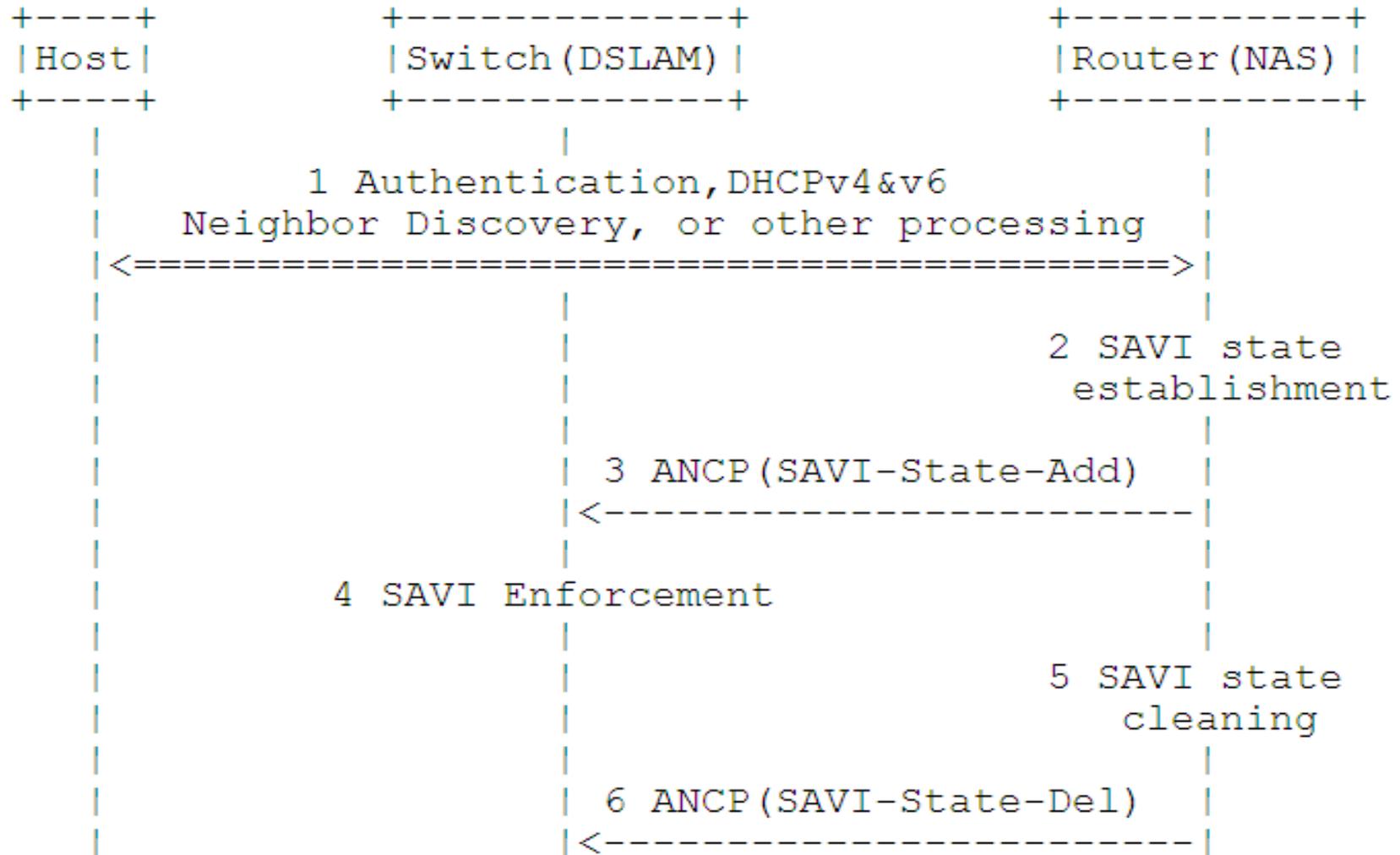
- **The router builds up source address validation states**

(ND and ARP tables etc are natural source address validation states tables)

- **The router populates the states in the switch through control signaling (ANCP in BBF)**



Proposed Solution (cont.)



Adopted as a WG draft?

Thank you