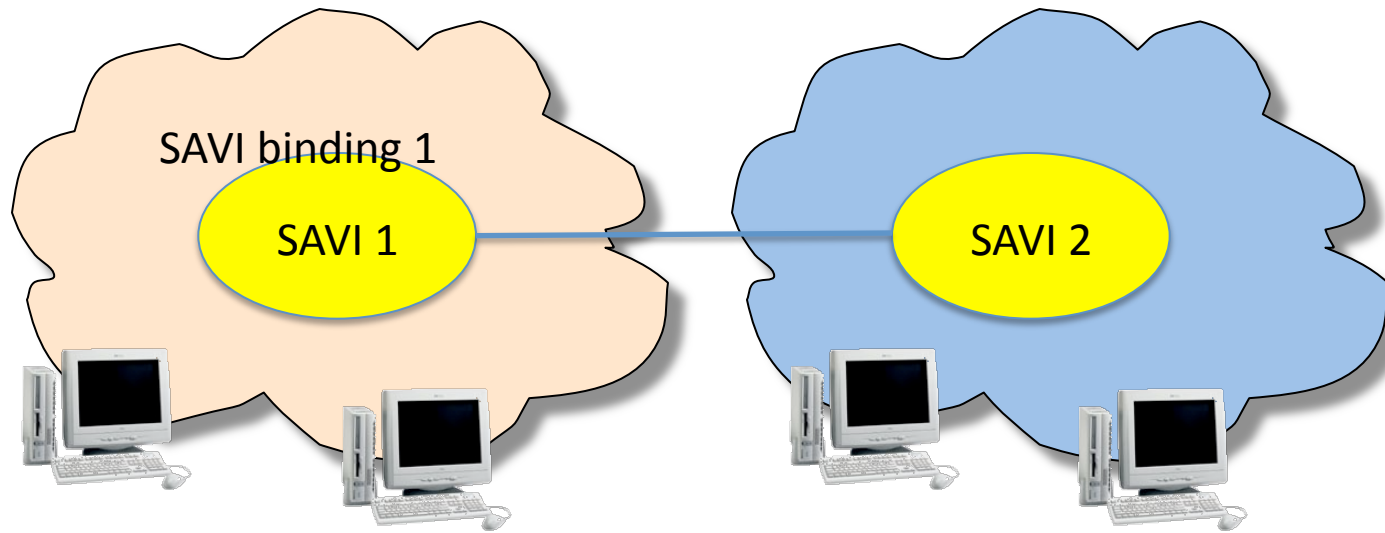


SAVI Binding Distribution Protocol

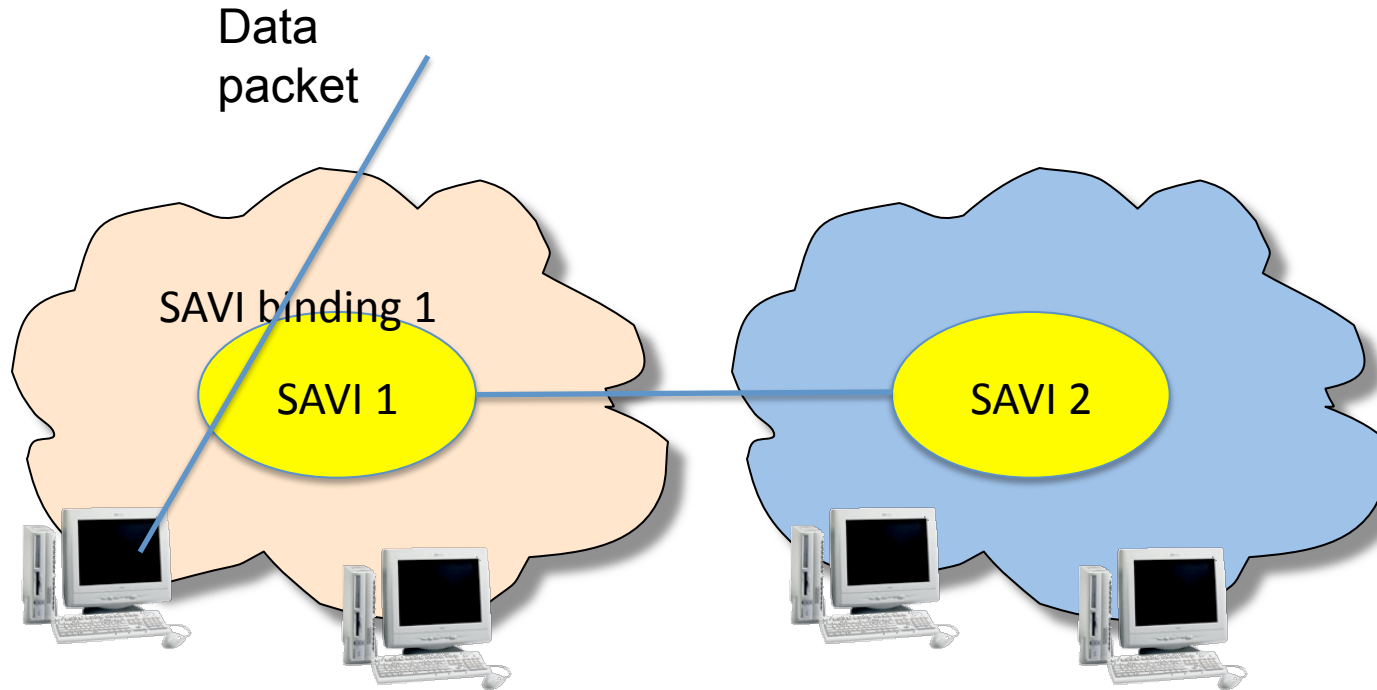
Marcelo Bagnulo, Christian Vogt

IETF 74 – SAVI meeting

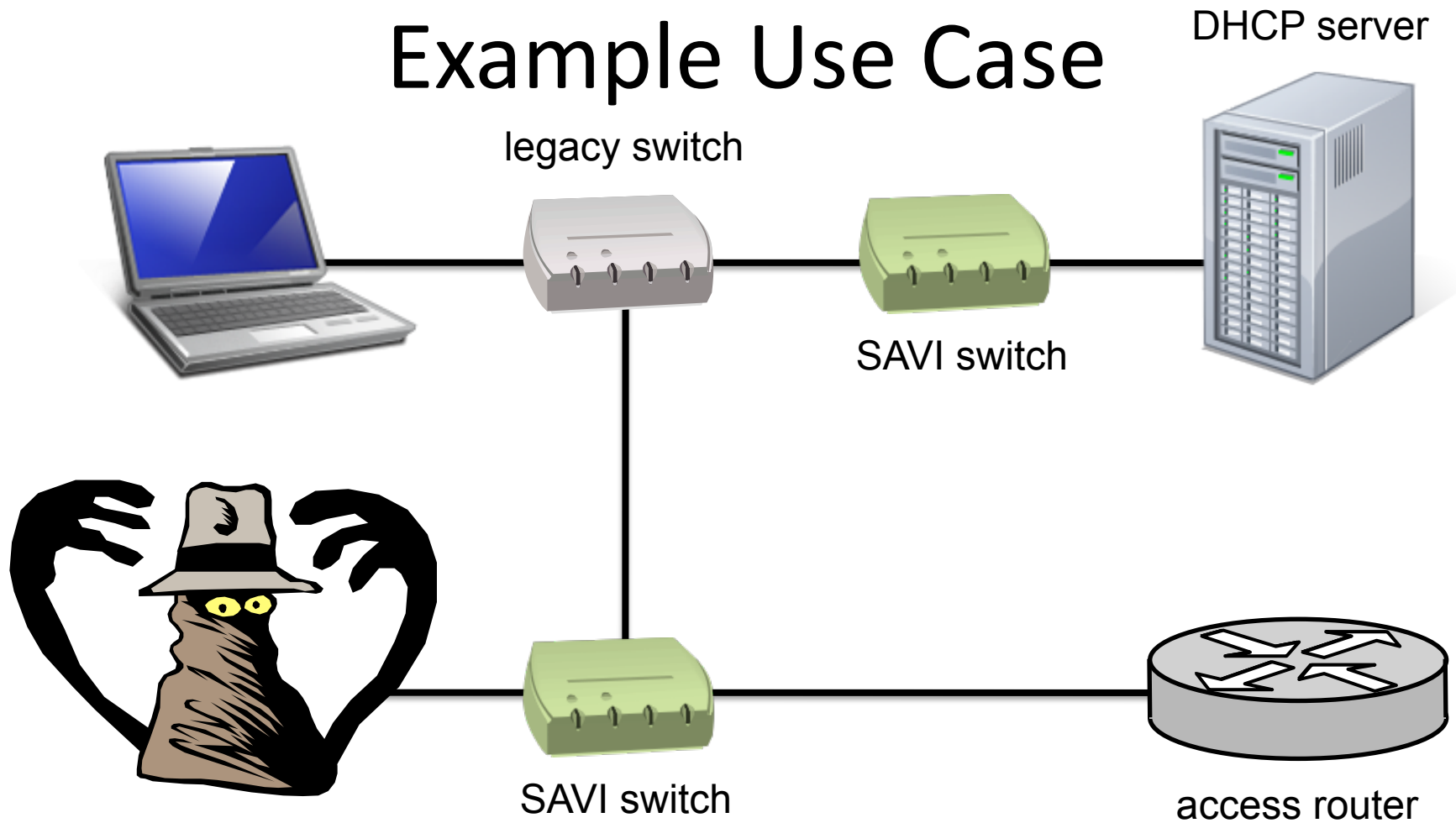
Do we need it?



Do we need it?

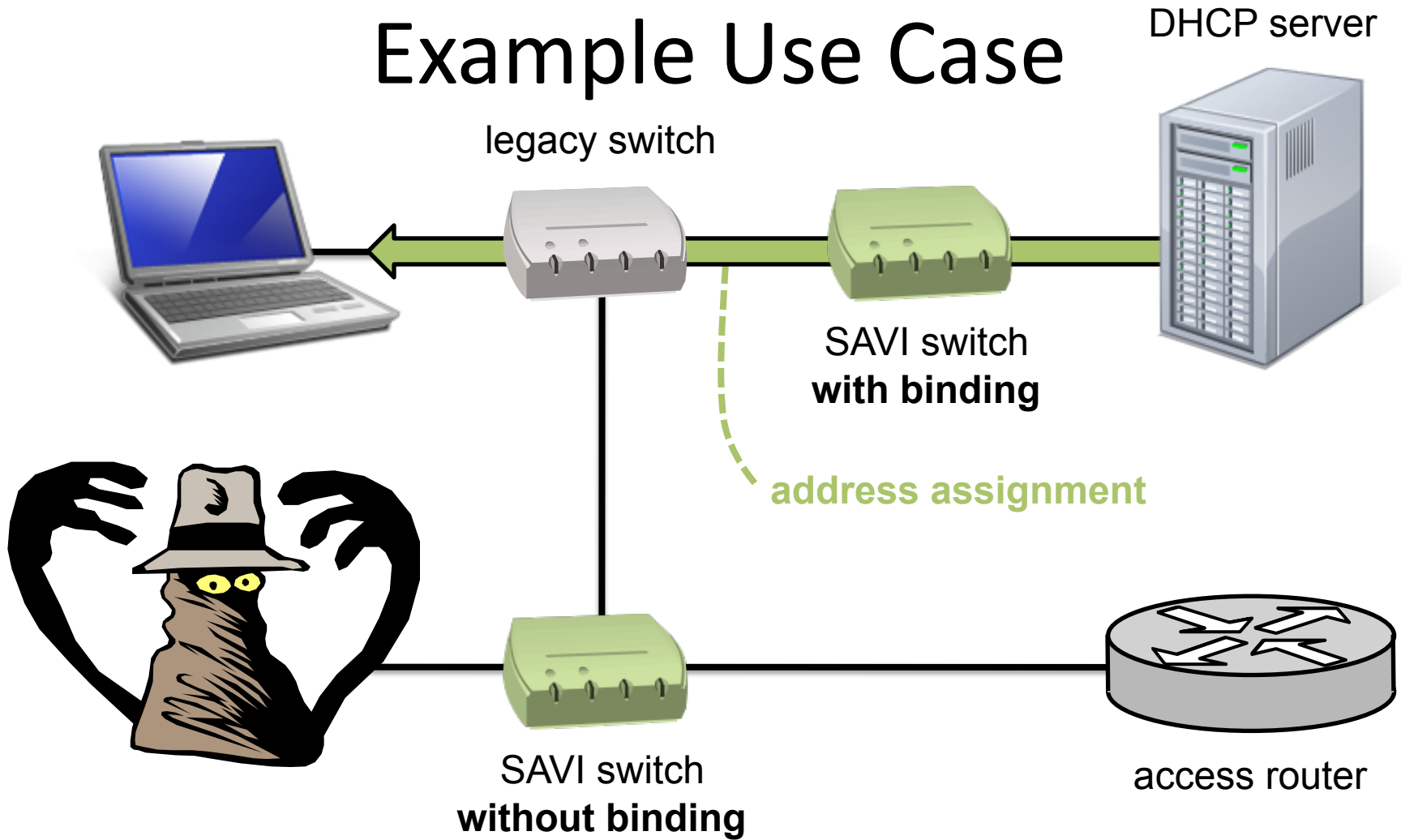


Example Use Case



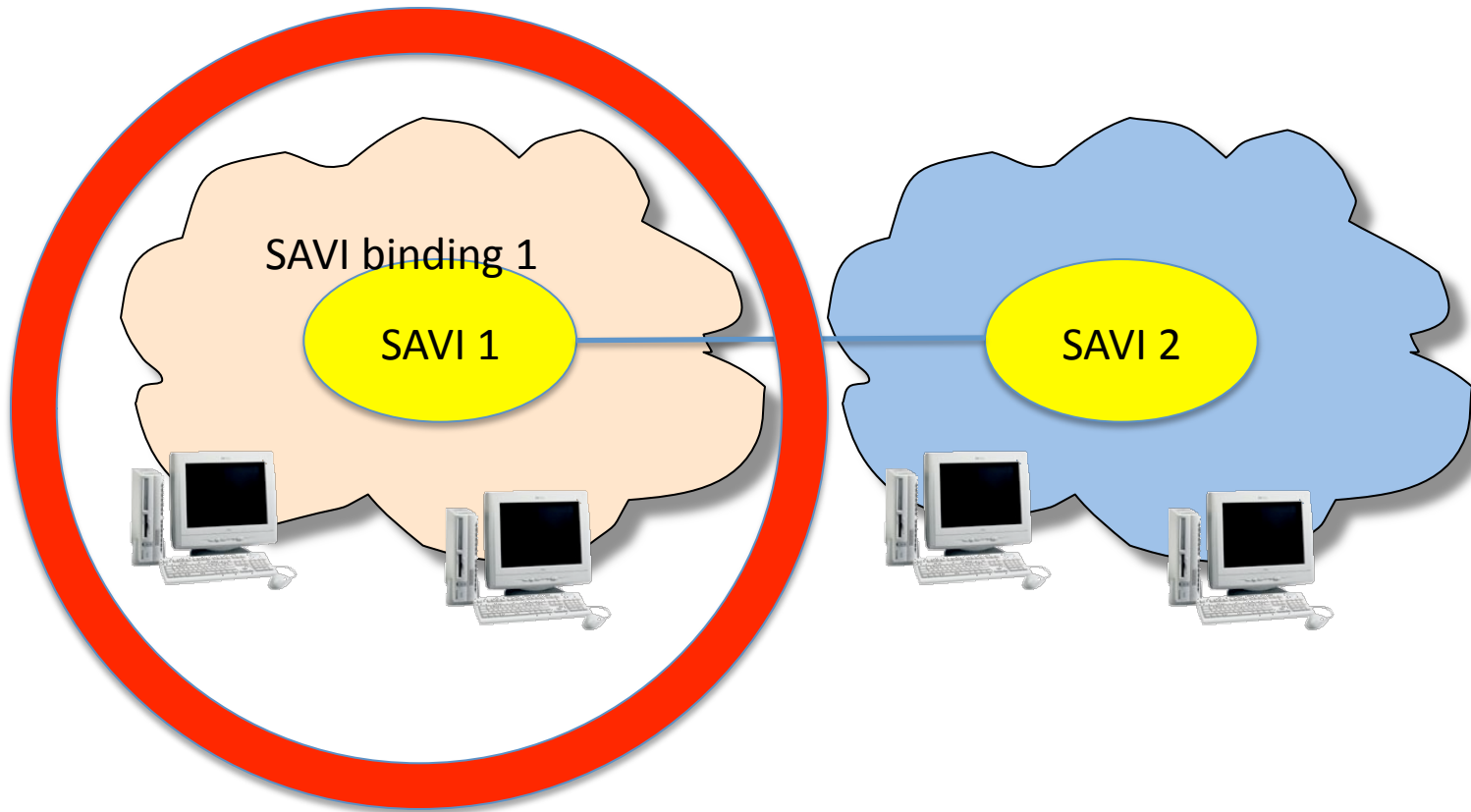
not all SAVI devices on address assignment path

Example Use Case



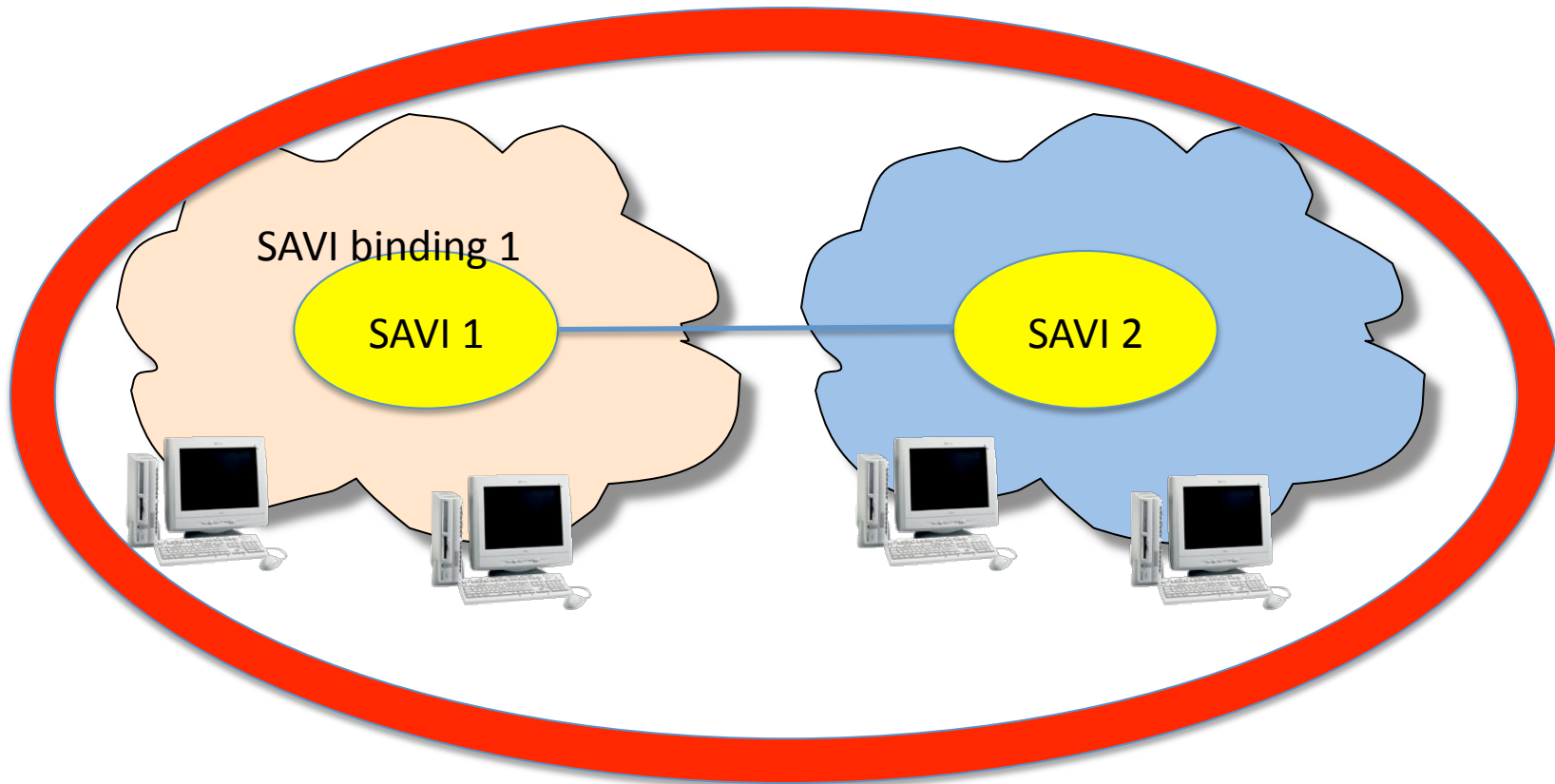
attacker can claim victim's address

Do we need it?



Protection scope without BDP

Do we need it?



Protection scope with BDP

How we secure it?

- It is unacceptable that the BDP introduces vulnerabilities to SAVI
- Need some form of authentication of the SAVI devices
 - Could be as simple as knowing the ports where the other SAVI devices are connected?
 - How do we provide redundancy in this case?
- We may end up needing admin security
 - Like a shared secret

Other questions

- Push vs pull
- Reusing existing packet format vs new protocol
- Broadcast vs unicast
 - (i.e. Addressed to the SAVI devices only somehow)

