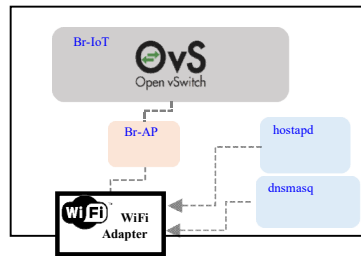
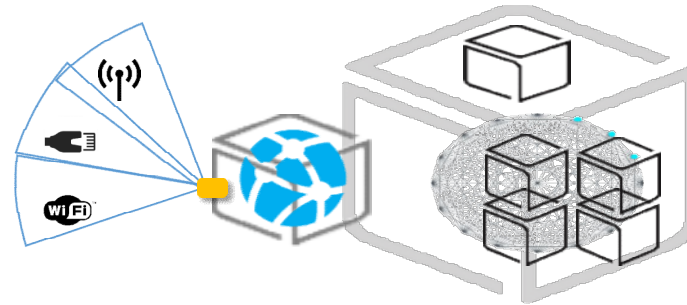


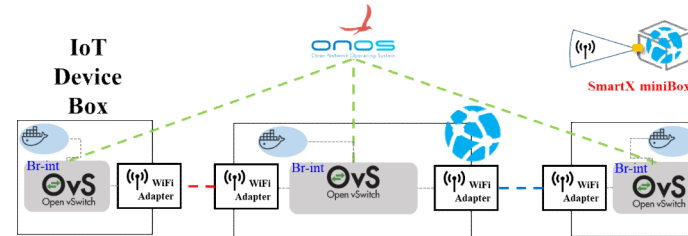
Multi-Access Box: Interface options



**SDN-enabled
Wired Interface**

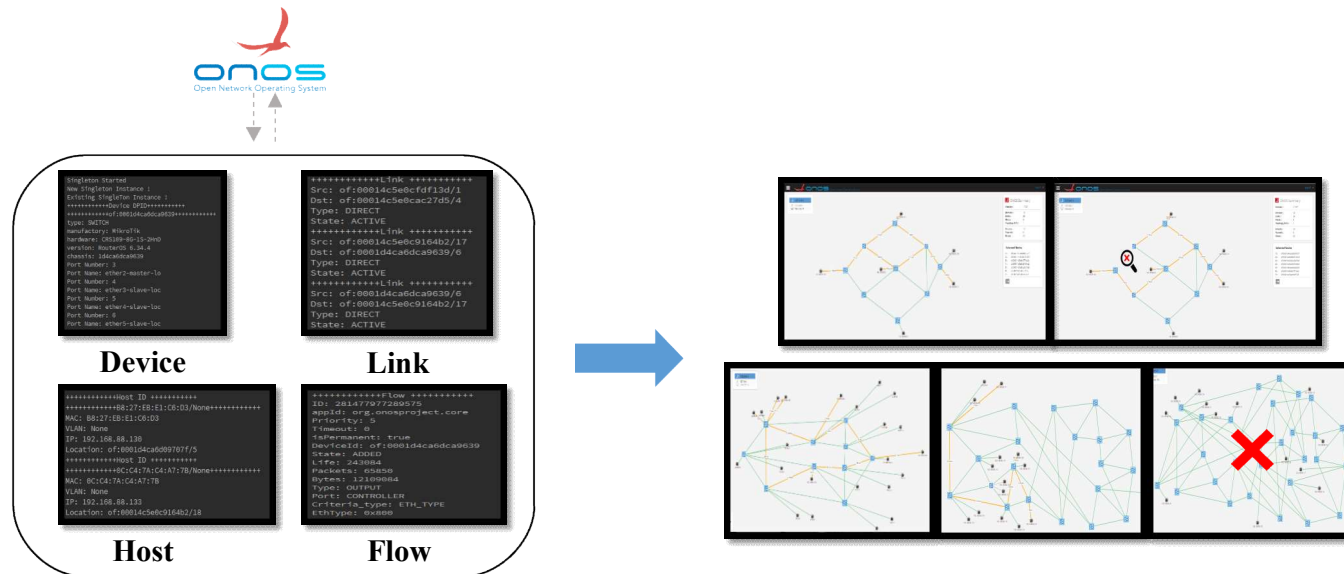
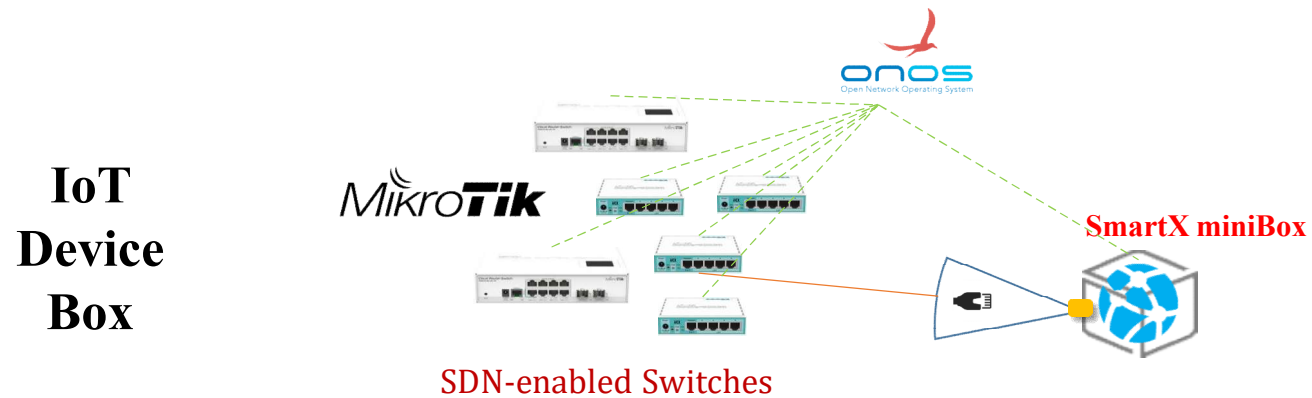


**OVS-integrated
WiFi Interface**



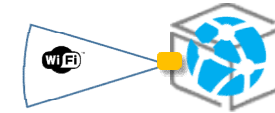
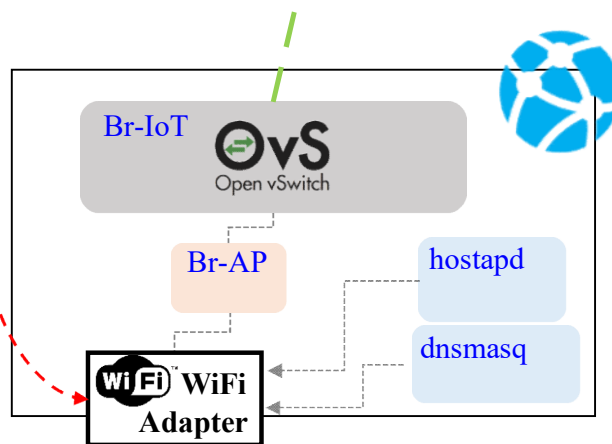
**SDN-enabled Multi-Hop
Wireless Interface**

Multi-Access Box: SDN-enabled wired interface



Multi-Access Box: OVS-integrated WiFi interface

**IoT
Device
Box**

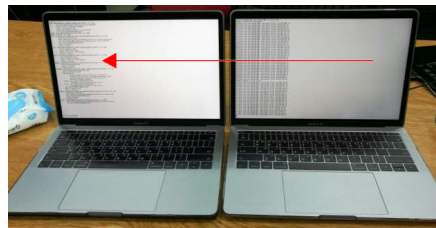
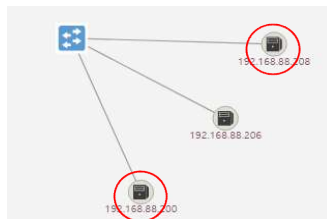


SmartX miniBox



SYS-E300-8D

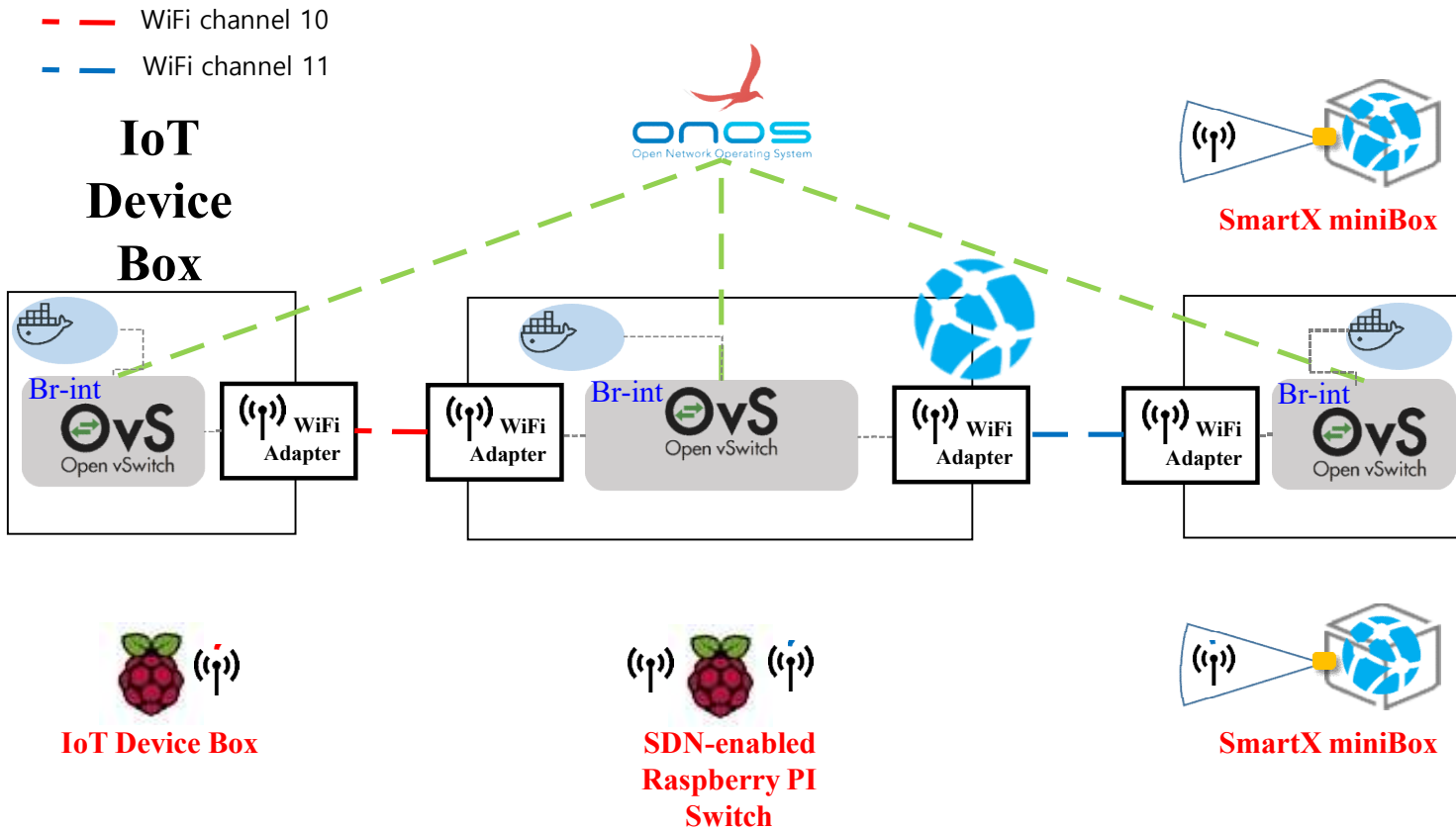
AR9271
USB WiFi Adapter



Ping test

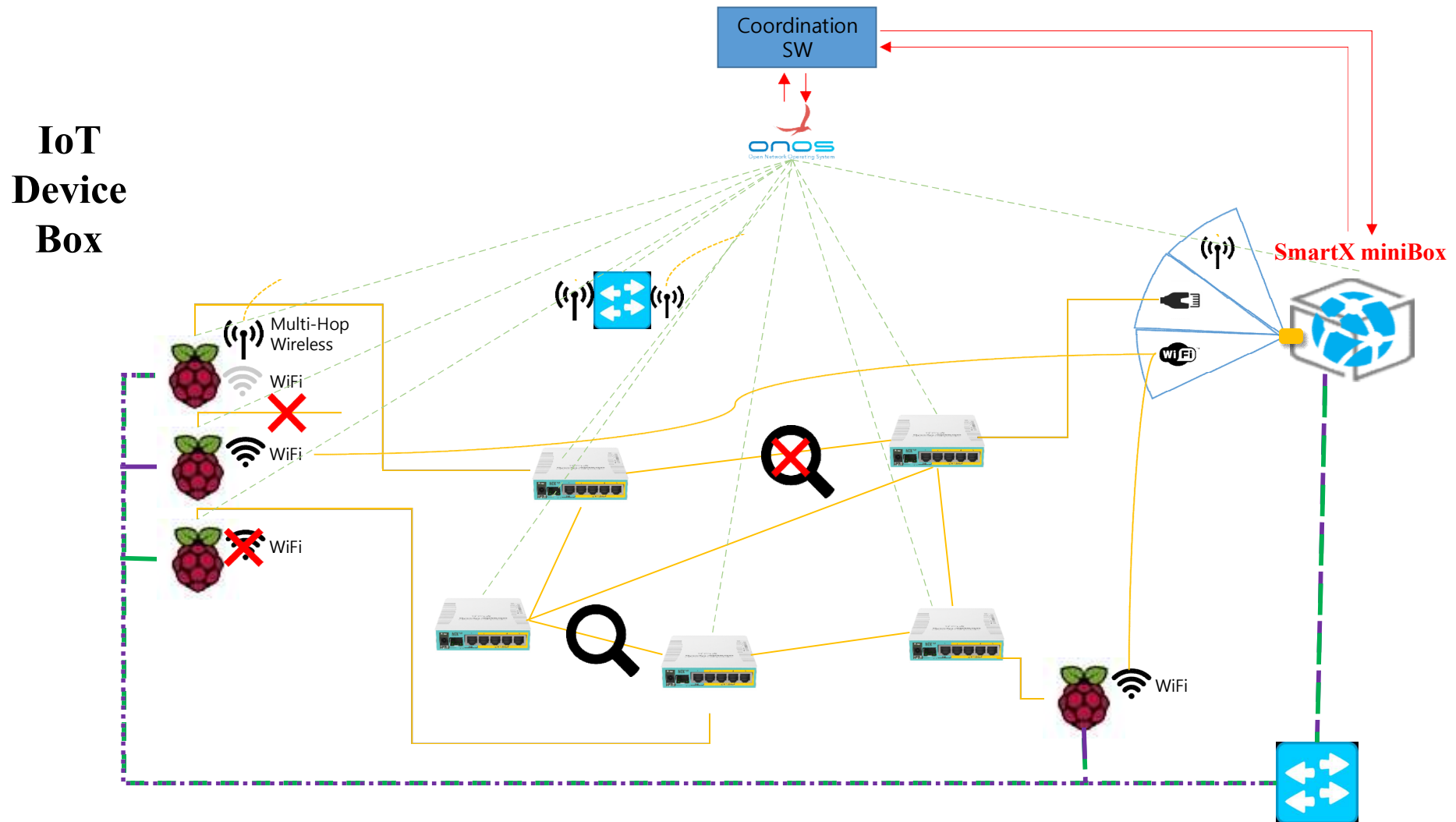
```
64 bytes from 192.168.88.200: icmp_seq=104 ttl=64 time=54.219 ms
64 bytes from 192.168.88.200: icmp_seq=105 ttl=64 time=76.386 ms
64 bytes from 192.168.88.200: icmp_seq=106 ttl=64 time=100.696 ms
64 bytes from 192.168.88.200: icmp_seq=107 ttl=64 time=270.739 ms
64 bytes from 192.168.88.200: icmp_seq=108 ttl=64 time=290.721 ms
64 bytes from 192.168.88.200: icmp_seq=109 ttl=64 time=309.787 ms
64 bytes from 192.168.88.200: icmp_seq=110 ttl=64 time=328.109 ms
64 bytes from 192.168.88.200: icmp_seq=111 ttl=64 time=350.286 ms
```

Multi-Access Box: SDN-enabled Multi-Hop Wireless Interface



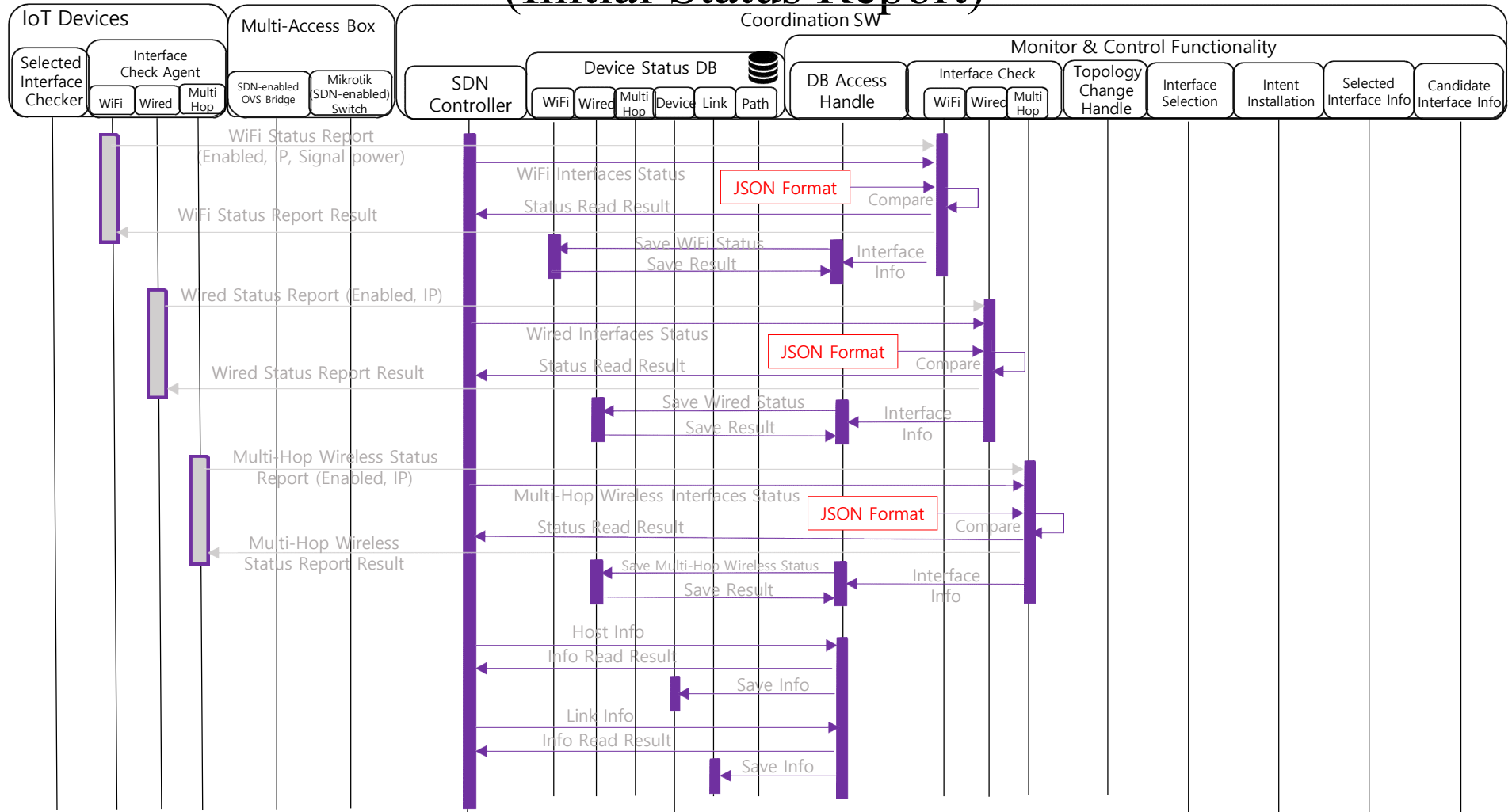
Management
Control
Data

Multi-Access Coordination SW Target Environment



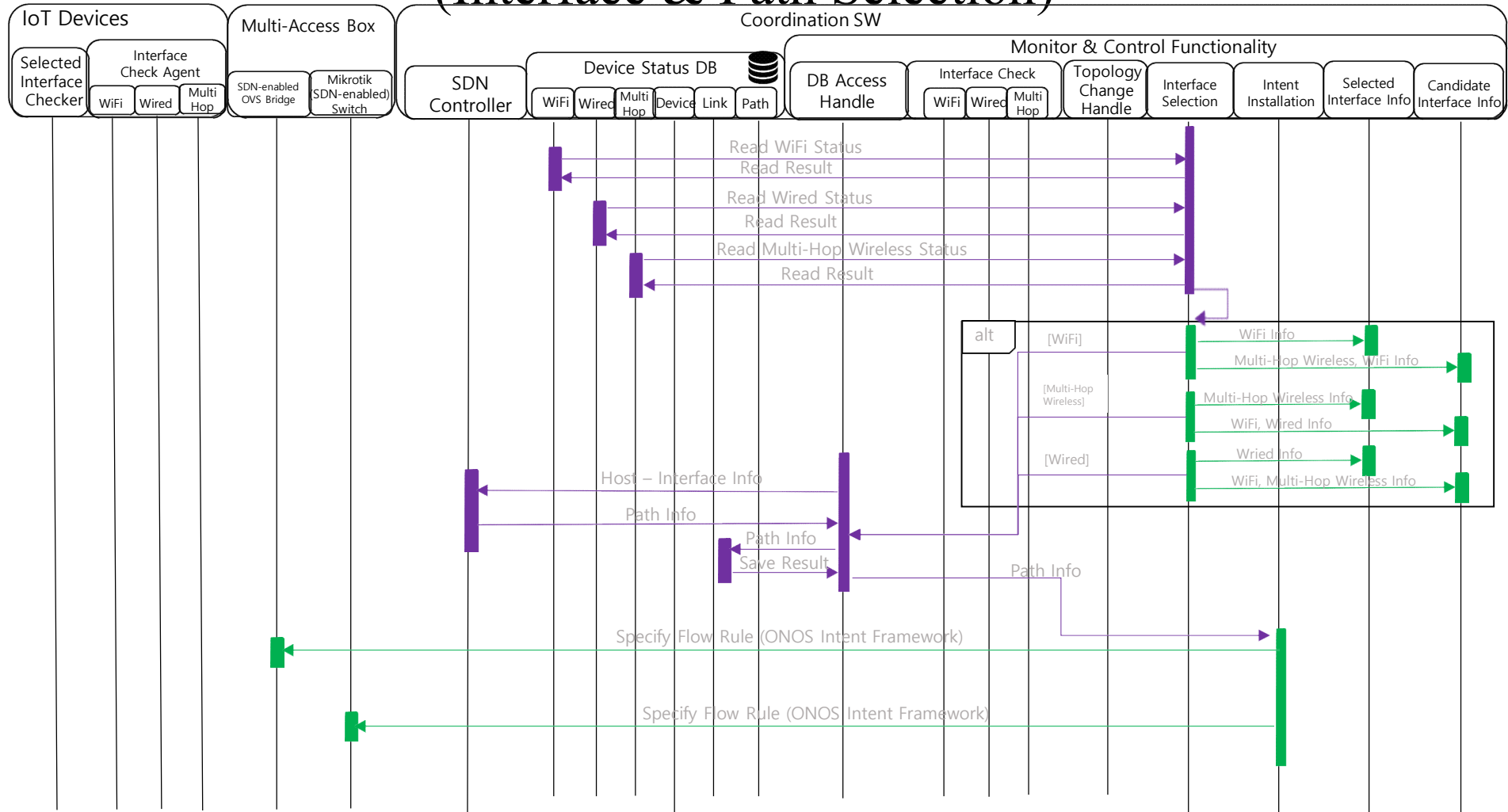
Management
Control
Data

Multi-Access Coordination Software Phase 1 (Initial Status Report)



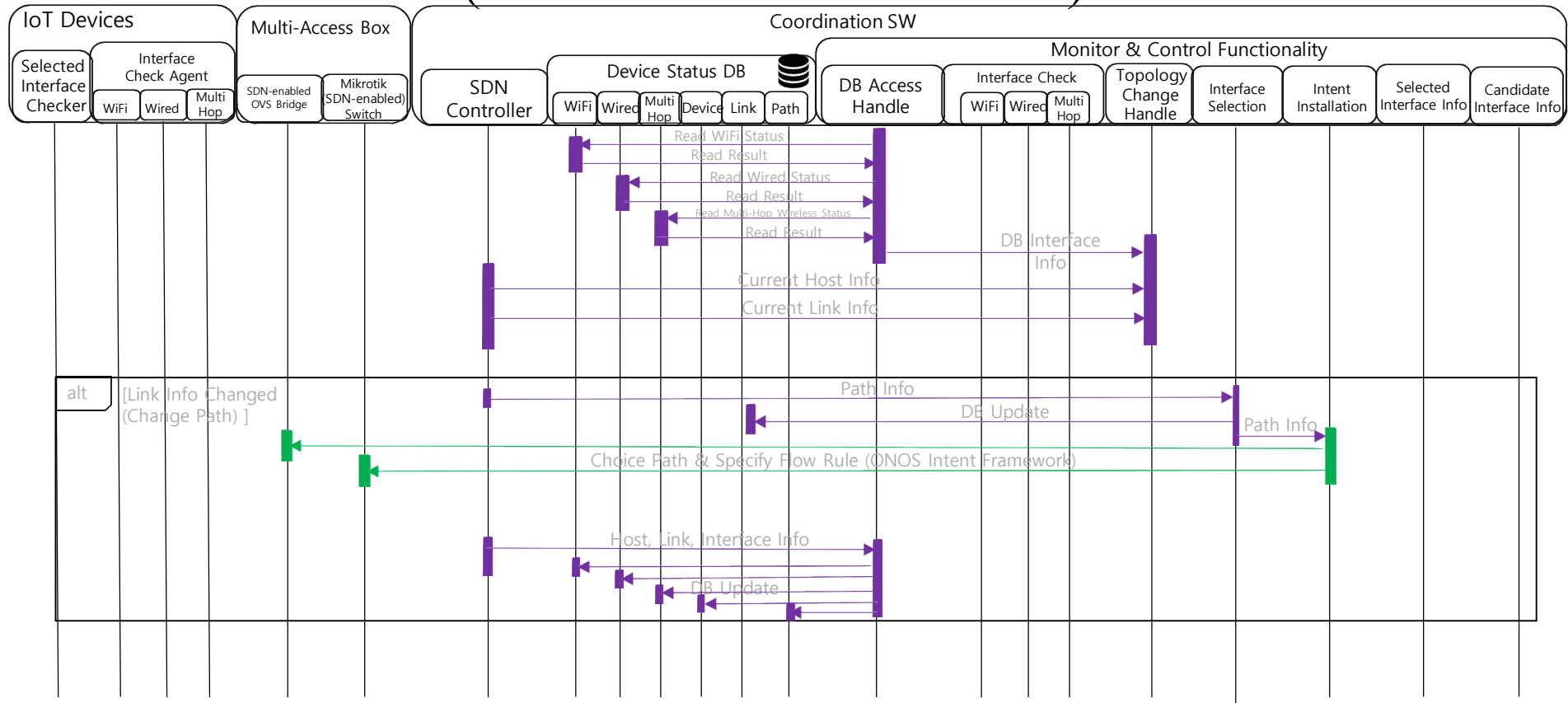
Management
Control
Data

Multi-Access Coordination Software Phase 2 (Interface & Path Selection)

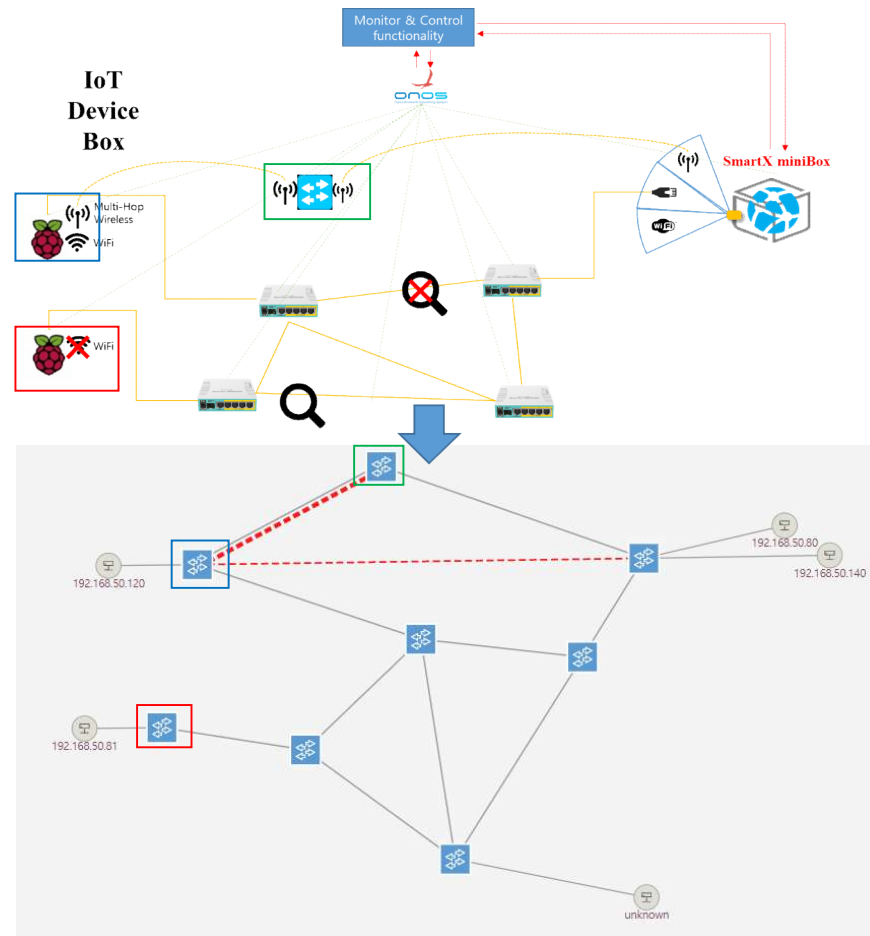


Management
Control
Data

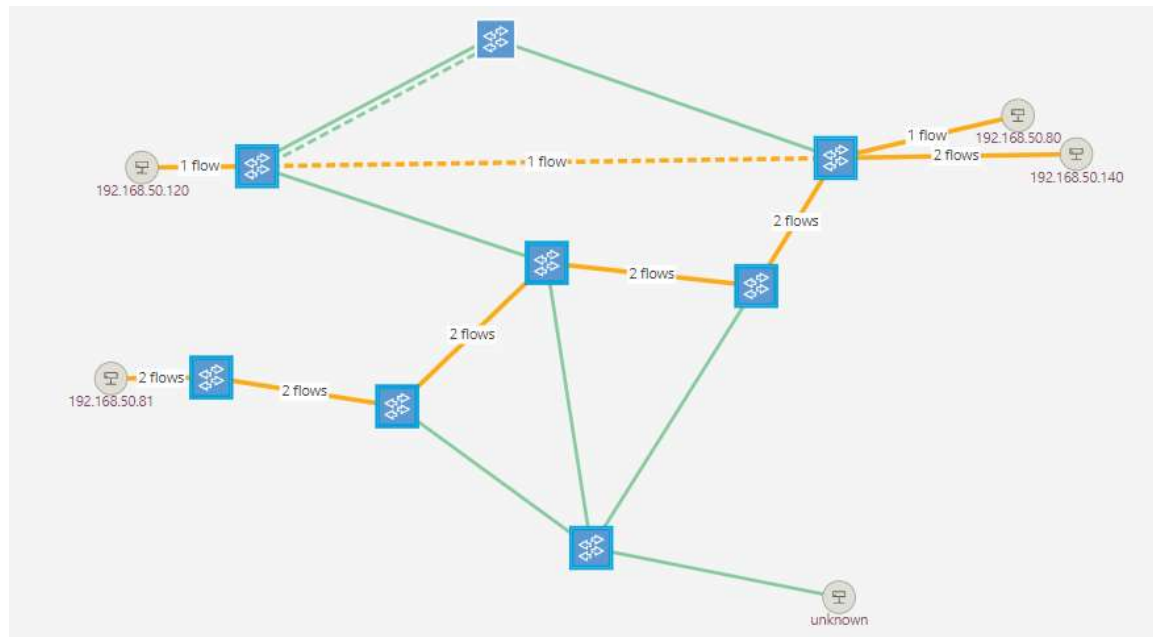
Multi-Access Coordination Software Phase 3 (Interface & Path Transfer)



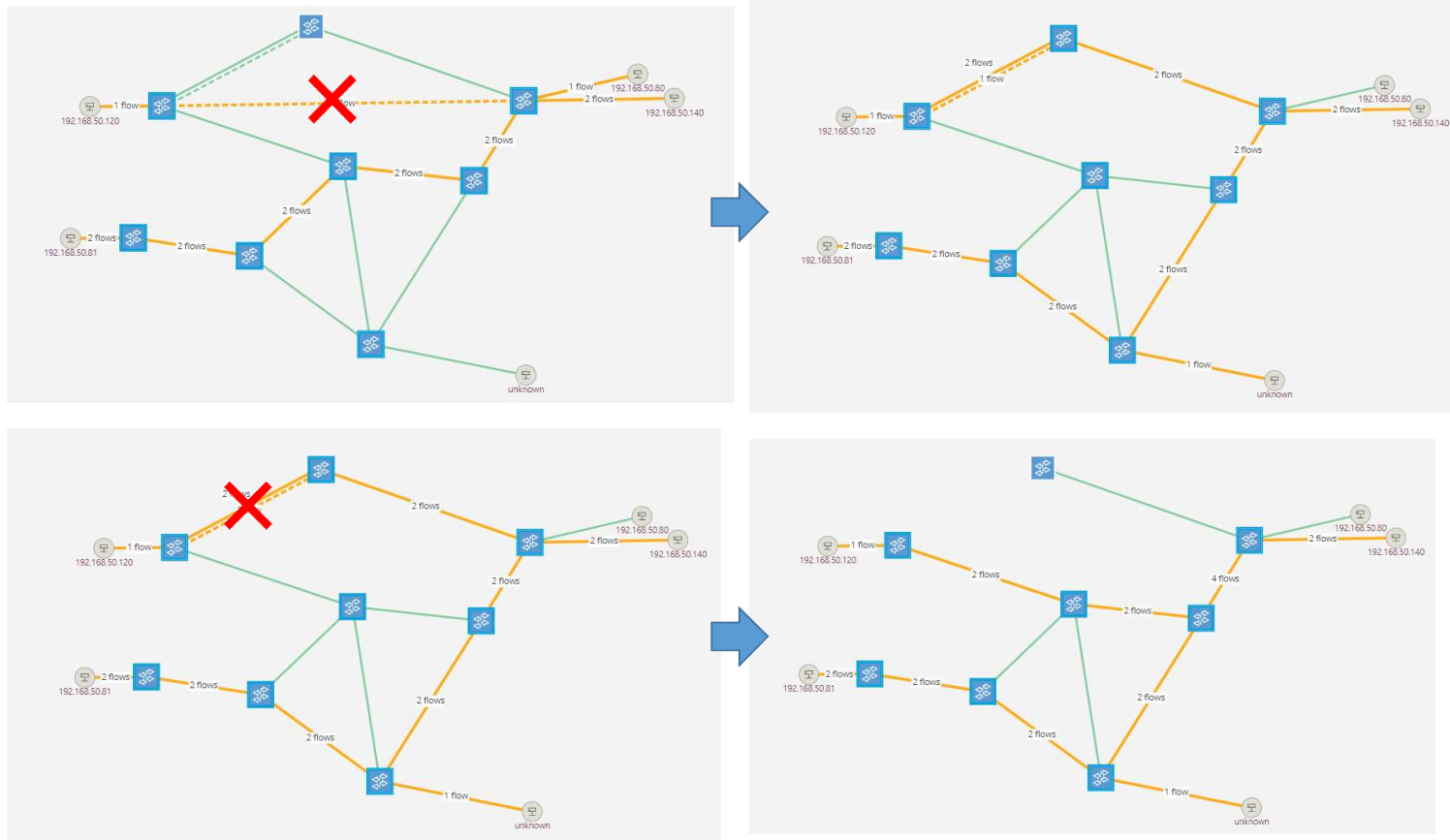
Verification testbed on ONOS Web GUI



Status report & Initial interface/path selection result



Interface transfer result



Path transfer result

