

# ARP-P4: A hybrid ARP-Path/P4Runtime switch

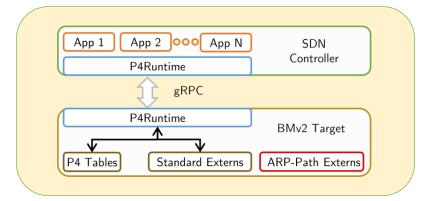


### **Motivations**

- To explore the current capabilities of the P4 specifications to establish autonomous paths.
- To study the feasibility of hybrid SDN approaches such as ARP-Path/P4Runtime

# ARP-Path P4 Implementation

#### Limitations



## Conclusions

- ARP-P4 does not need to use any local controller.
- The ARP-P4 switch can interact with P4 Runtime and ARP-Path so ARP-P4 is a hybrid switch.
- The ARP-P4 performance is very similar than ECMP when the load has low load, while the performance on high load decreases due to BMv2 Target implementation.





