

SAI soft switch Motivation



SAI (switch abstraction interface) defines the API to provide a vendor-independent way of controlling forwarding elements, such as a switching ASIC, an NPU or a software switch in a uniform manner. SAI is supported by leading companies, and used in major ecosystems like SONiC and OpenSwitch.

Motivation for soft switch:

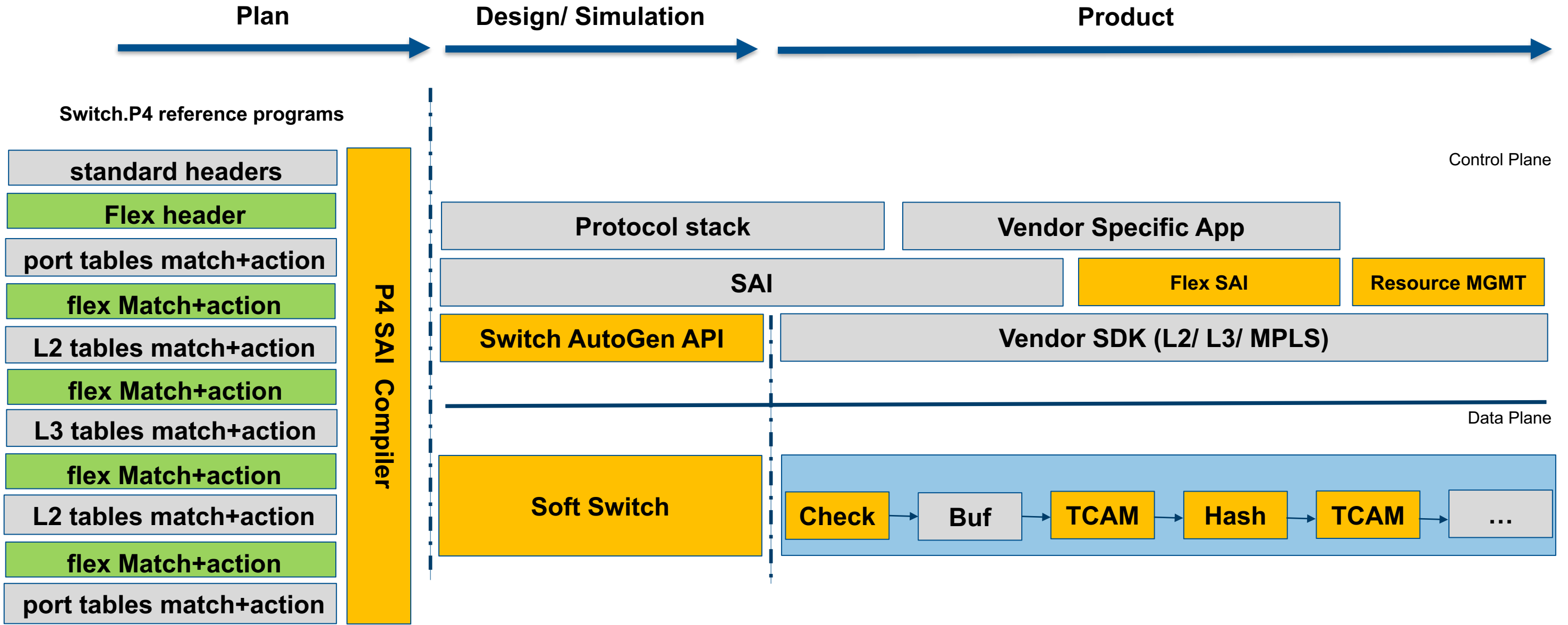
- Provide SAI conformance test (the API alone is not enough!)
- Port application on top a HW agnostic model and enable easy migration between silicon vendors
- Boost application development process, and adding debug ability.



Connect. Accelerate. Outperform.™



Future P4 use in SAI - flexibility



Influenced by the compiler

