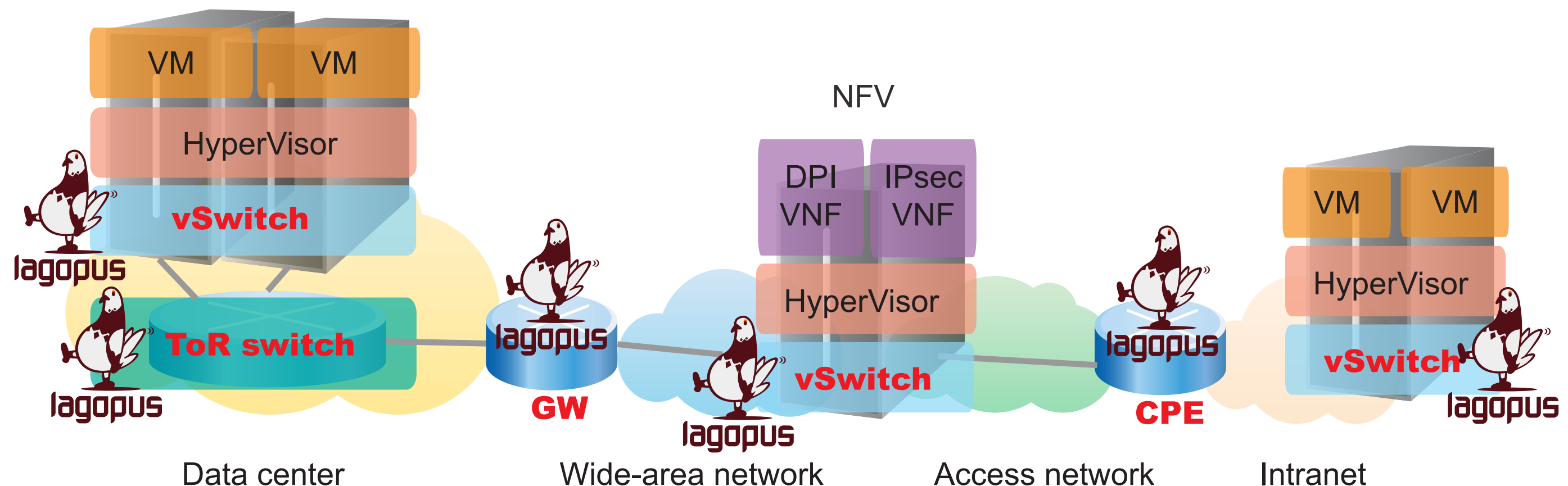


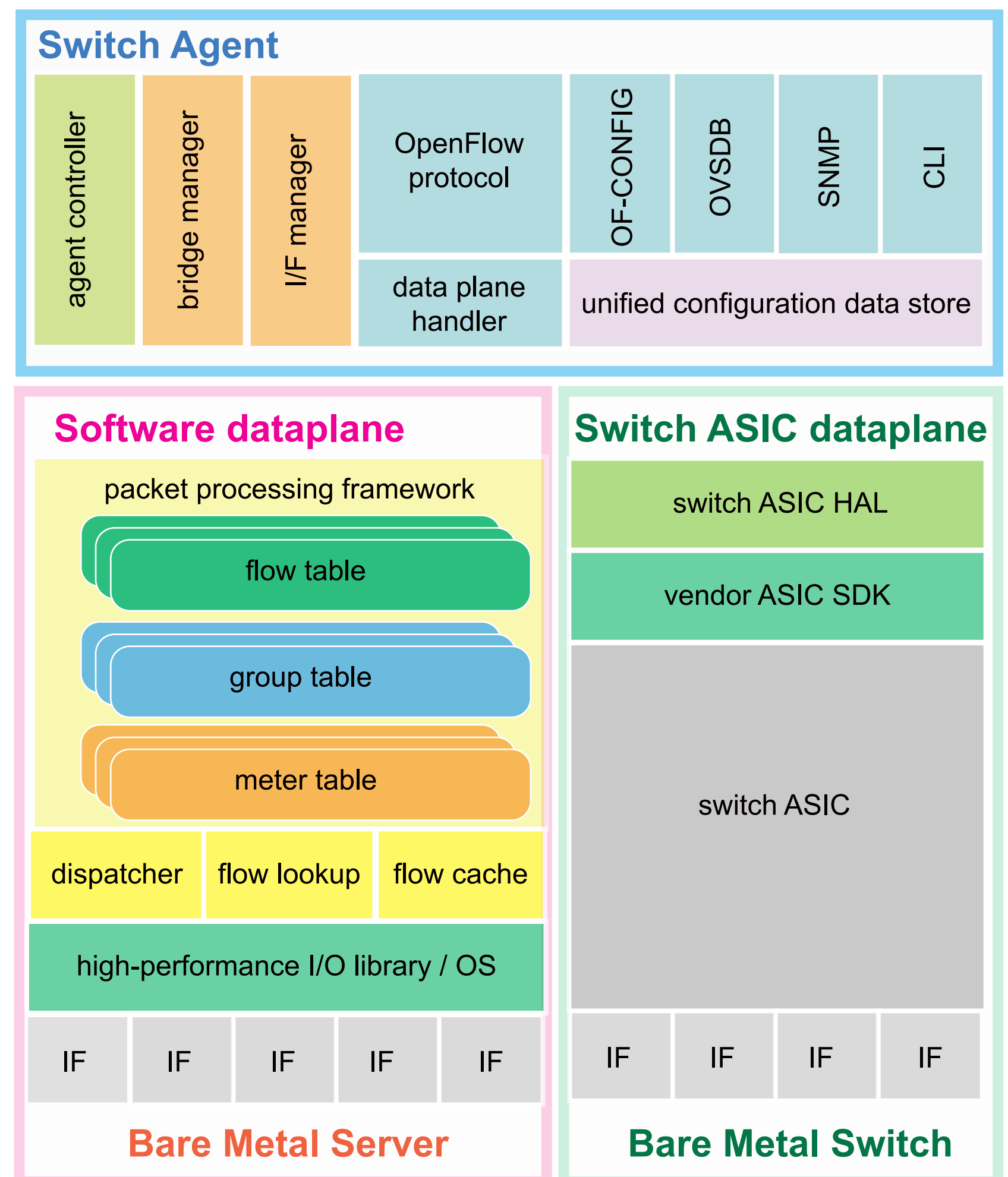
# Lagopus SDN/OpenFlow Switch Agent & High Performance Software Switch

## Targets of Lagopus SDN/OpenFlow Switch



## Lagopus Switch Specification and Architecture

- Best OpenFlow 1.3 compliant switch
  - RYU Certificate results (<http://osrg.github.io/ryu/certification.html>)
    - Lagopus vswitch: 920 / 928
    - Open vSwitch: 515 / 928
    - LINC: 567 / 928
    - Indigo virtual switch: 425 / 928
- ONF standard specifications support
  - OpenFlow Switch Specification 1.3.3
  - OF-CONFIG 1.1
- High performance software data plane
  - 10-Gbps-wirerate with 1 million flow rules (Data center - IP-VPN/MPLS GW configuration)
- Multiple data-plane configuration
  - High performance software dataplane on server
    - Intel DPDK
    - Novel flow lookup and flow cache mechanism
  - Utilize Bare Metal Switch
    - Broadcom Trident+
- Modular switch agent architecture
  - Unified configuration data store framework
  - Protocol processing offload framework
- Various management/configuration interface support
  - OF-CONFIG, OVSDDB, CLI
  - SNMP, Ethernet-OAM



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