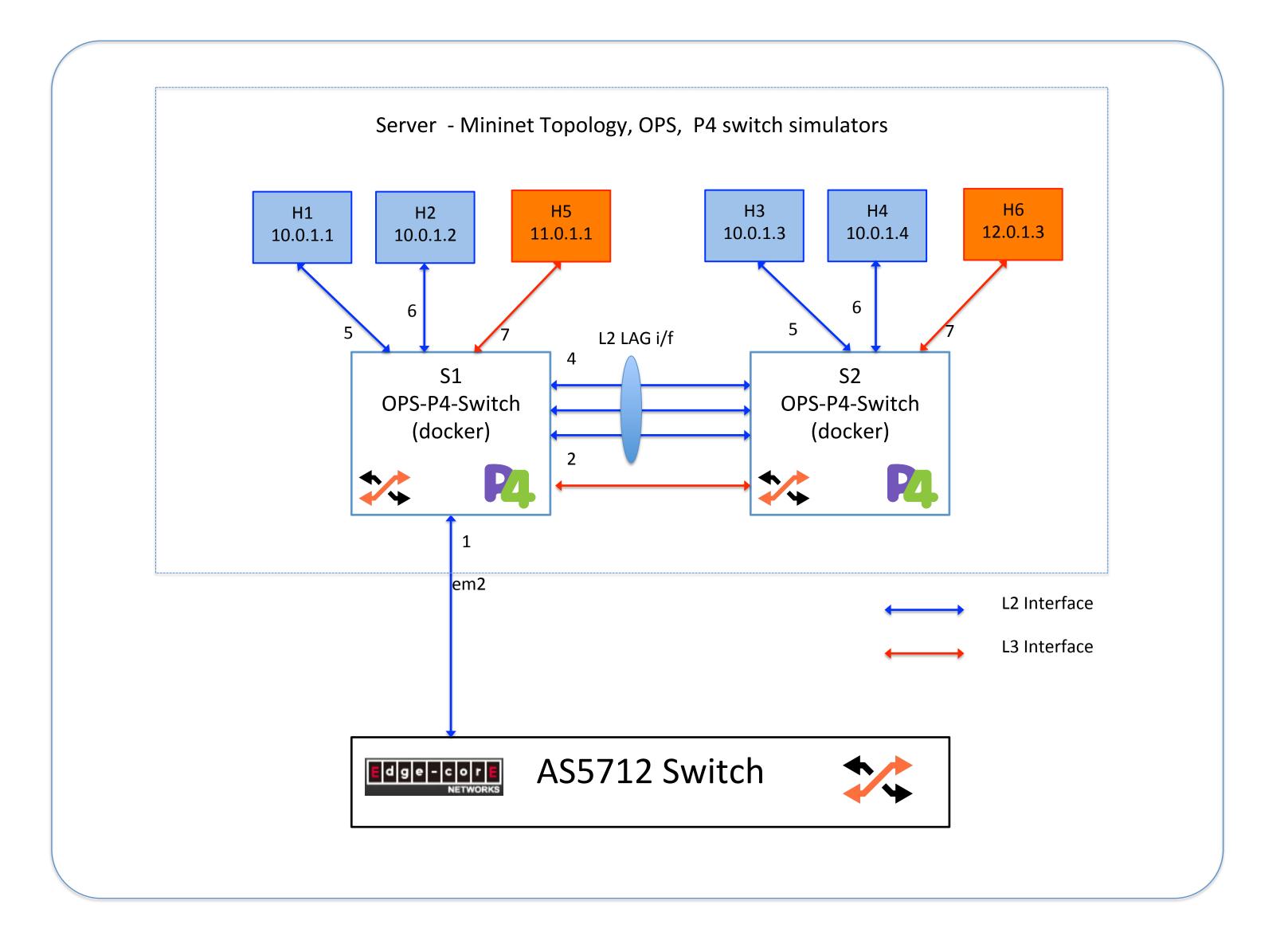


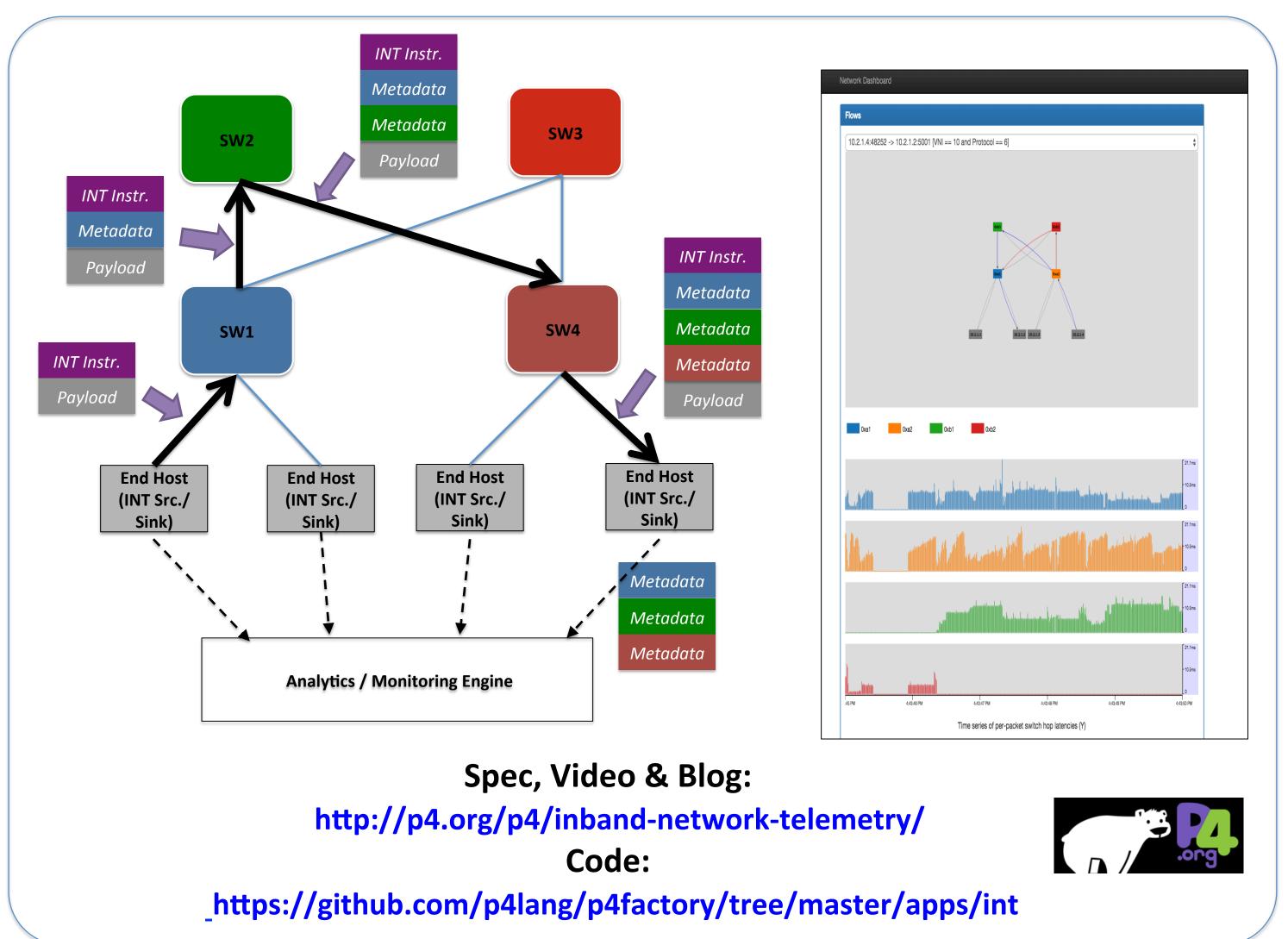
# OpenSwitch with P4 Switch

## Open Source Data Plane, Control Plane & Telemetry

#### **Demo Setup**



#### In-band Network Telemetry (INT)



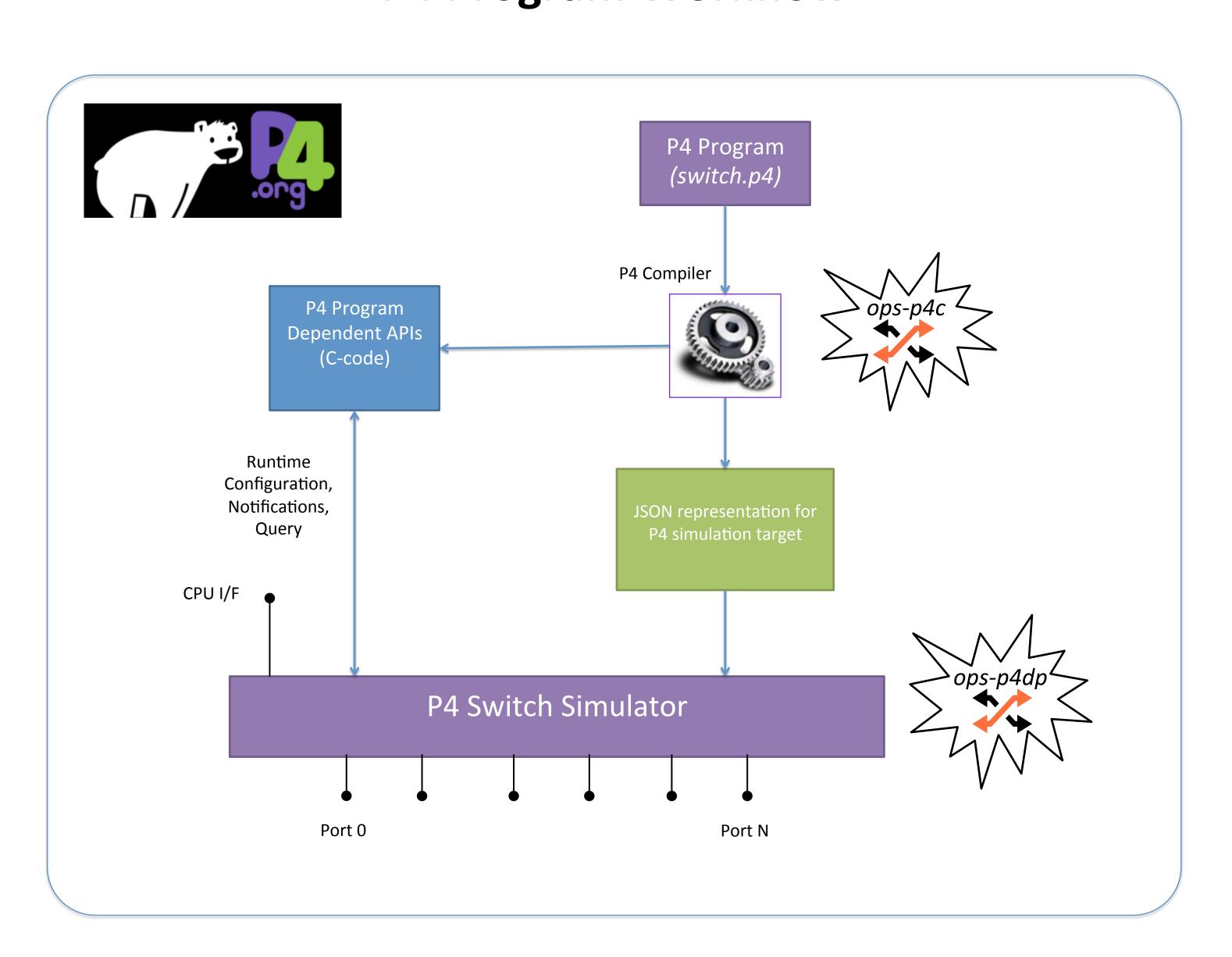
#### **Benefits of P4 Switch in OPS**

#### **Programmable Pipeline** Add new feature, tweak / improve / fix existing features **Rapid Prototyping and Testing** Pipeline changes can be compiled and tested in just a few hours!! Feature-rich P4 defined pipeline switch.p4 provides fully functional advanced L2/L3 switch pipeline **Zero Effort Silicon Migration** The pipeline can run on simulator and P4 devices

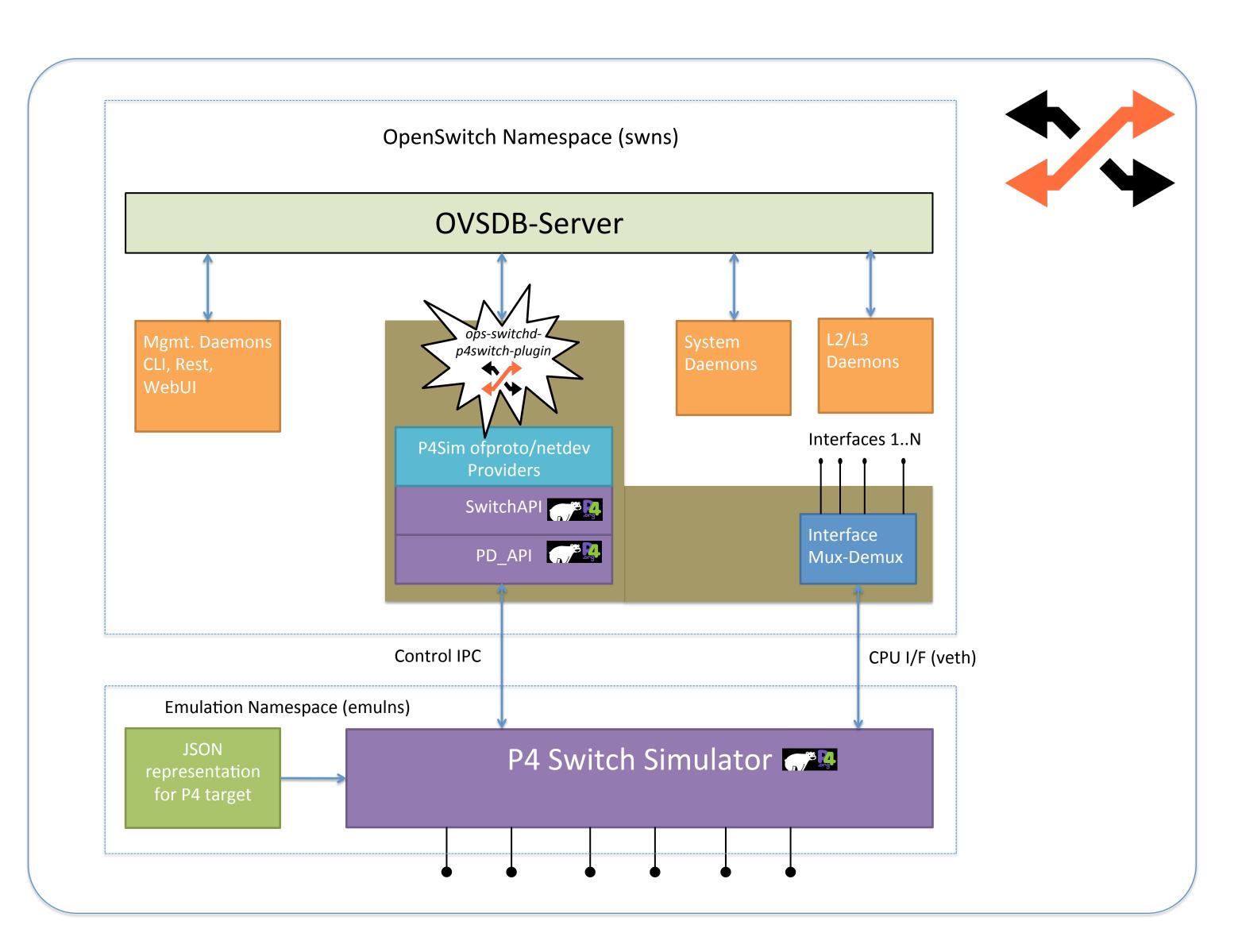
#### **Benefits of INT**

**Complete network visibility** No black boxes, ghost drops and guessing. **Real-time monitoring** No need to depend on polling Per-packet metadata No sifting through aggregated counters and information Full line rate, zero switch CPU involvement Not limited by Control Plane bandwidth

### P4 Program Workflow



#### P4 Switch in OPS





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