Learn the details of OpenFlow with FlowSim

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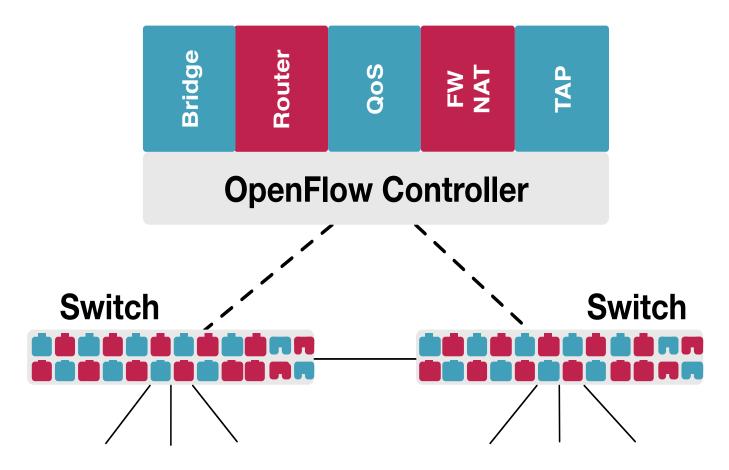


About Flowgrammable.org

- What we do
 - Conduct focused research
 - Curate selected research
 - Develop/maintain open source projects
- Who we are
 - Academics: profs, students, post-docs
 - Industry: engineers, architects, operations
- Commitment
 - Research is published
 - Software is released open source



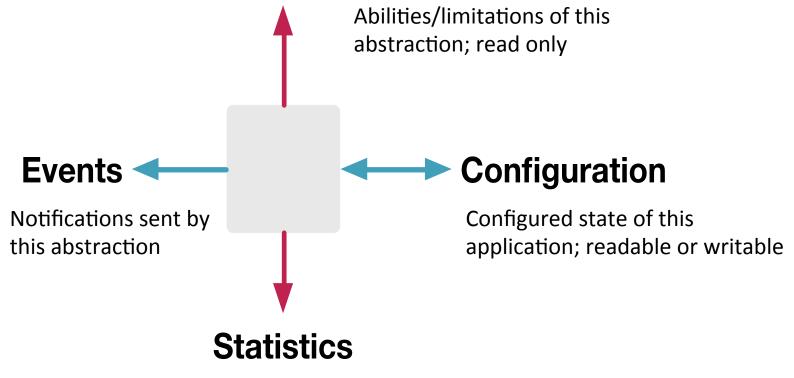
OpenFlow Architecture





Definition of an Abstraction

Capabilities

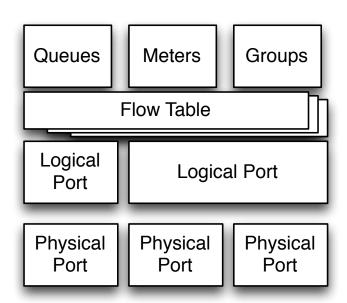


Observed metrics for this abstraction; read only



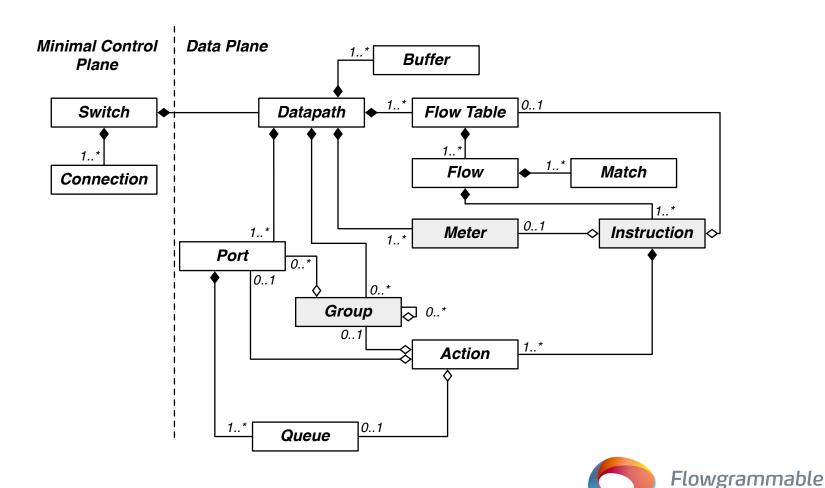
What are data plan abstractions?

- Port sources and sinks packets
- Flow Table match packet to a flow and apply flow policy
- Meter polices or shapes packet flows
- Group provides egress processing



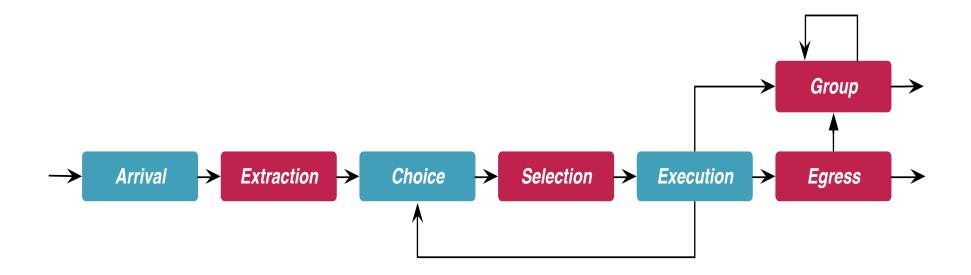


Generalized OpenFlow data model



Driving the Next SDN Generation

Dataplane Pipeline





Online Training



- Recorded lectures
- Available from INE online \$299
- Course Outline
 - SDN Overview
 - OpenFlow Abstractions
 - OpenFlow Dataplane
 - OpenFlow Protocol
 - Pica8 Whitebox Demonstrations

