

# Carbon: Proliferating Use Cases



**Control Plane Functions**

- AAA
- Host Tracker
- **Infrastructure Utilities**
- L2 Switch
- LISP Service
- Link Aggregation Control Protocol
- OpenFlow Forwarding Rules Manager
- OpenFlow Stats Manager
- OpenFlow Switch Manager
- Topology Processing

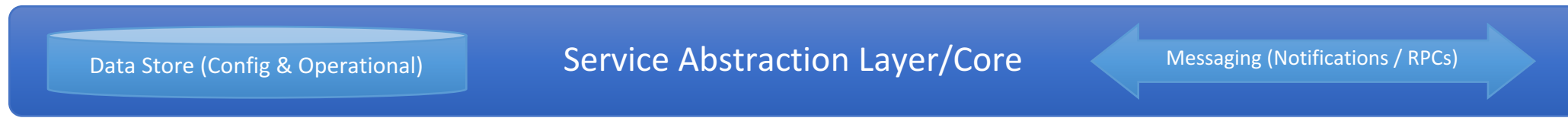
**Embedded Controller Applications**

- Cardinal
- Controller Shield
- DOCSIS Abstraction
- Eman
- **Genius**
- NetIDE
- **NetVirt**
- Neutron Northbound
- OVSDB Neutron
- SN Integration Aggregator
- **Service Function Chaining**
- Time Series Data Repository
- Unified Secure Channel Mgr
- User Network Interface Mgr
- Virtual Tenant Network Mgr

**Network Abstractions (Policy/Intent)**


- ALTO Protocol Manager
- Fabric as a Service
- Group Based Policy Service
- NEMO
- Network Intent Composition

Controller Platform Services/Applications




Southbound Interfaces & Protocol Plugins

OpenFlow Enabled Devices



Open vSwitches



Additional Virtual & Physical Devices



Data Plane Elements (Virtual Switches, Physical Device Interfaces)