OvS 2.6 & OVN on Solaris

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Background

• What’s available today:
  – Upcoming Solaris release includes
    • OVS 2.3.2 LTS
    • OpenStack ml2 OVS plugin (mitaka)
  – Works well with OpenDaylight
  – Early access to Platinum Customers
Background (Contd)

- Leverages Solaris features
- Solaris *netdev* provider
- Solaris *dpif* provider
- Services to start/stop ovsdb and vswitchd available
- ovs* CLIs are available
- Operationally similar to other OvS deployments
OvS 2.6

- Development started with 2.5
- *netlink* kernel module
- dpif-netlink – existing code with minor changes
- Solaris *netdev* provider
- Most code can be reused except few minor issues
  - `struct sockaddr_un sun;` - compilation errors
OVN

- Compile & Run – no code changes
  - Very portable code. Great Job!
- Making `br-int` configurable is a great idea
- `Geneve` support not there yet
- Experience with various scenarios:
  - Sandbox, Two Port Setup, two switches - four ports
  - Openstack + OVN plugin (Ubuntu) connected to Solaris
    OVS + OVN controller
    - Errors due to lack of `geneve` support
Future work

- Geneve
- Connection tracking
- Openstack ml2 OVN plugin
- Possible upstream contribution for some changes
Questions?

Thank You
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