

# OvS 2.6 & OVN on Solaris

Lokanath Das  
Oracle

# 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

Lokanath.Das@Oracle.com