Testing OVS at the DPDK Community Lab

Jeremy Plsek
Overview

1) What is the DPDK Community Lab
2) Hardware Vendors
3) Testing
   a) Smoke testing
   b) Performance testing with ovs_perf
4) Contact Information and Questions
What is the DPDK Community Lab?

- Performance testing for DPDK
- Smoke testing for DPDK
- Participation with downstream projects

- Hosted by the UNH InterOperability Lab
Hardware Vendors

- Mellanox Technologies
- Intel
- NXP
- Broadcom
Smoke testing

- Runs in containers with podman
- Compiling on different operating systems and build systems
- Use the "dpdk_latest" branch in the OVS repository
Performance Testing

- Runs on bare metal
- ovs_perf ([https://github.com/chaudron/ovs_perf](https://github.com/chaudron/ovs_perf))
- Runs whenever dpdk master is updated

<table>
<thead>
<tr>
<th>OverlayFS</th>
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<tbody>
<tr>
<td>Overlay - /{A,B,C} (combined)</td>
<td></td>
</tr>
<tr>
<td>Upper - /{B,C} (rw - tmpfs)</td>
<td></td>
</tr>
<tr>
<td>Lower - /{A,B} (ro)</td>
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Graphs generated by ovs_perf
Contact

Jeremy Plsek - jplsek@iol.unh.edu
DPDK Community Lab - dpdklab@iol.unh.edu
DPDK CI - ci@dpdk.org