

Book of AHV - AHV Administration

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Command Reference

Enable 10GbE links only on OVS

Description: Enable 10g only on bond0 for local host

```
manage_ovs --interfaces 10g update_uplinks
```

Description: Show ovs uplinks for full cluster

```
allssh "manage_ovs --interfaces 10g update_uplinks"
```

Show OVS uplinks

Description: Show ovs uplinks for local host

```
manage_ovs show_uplinks
```

Description: Show ovs uplinks for full cluster

```
allssh "manage_ovs show_uplinks"
```

Show OVS interfaces

Description: Show ovs interfaces for local host

```
manage_ovs show_interfaces
```

Show interfaces for full cluster

```
allssh "manage_ovs show_interfaces"
```

Show OVS switch information

Description: Show switch information

```
ovs-vsctl show
```

List OVS bridges

Description: List bridges

```
ovs-vsctl list br
```

Show OVS bridge information

Description: Show OVS port information

```
ovs-vsctl list port br0
ovs-vsctl list port bond
```

Show OVS interface information

Description: Show interface information

```
ovs-vsctl list interface br0
```

Show ports / interfaces on bridge

Description: Show ports on a bridge

```
ovs-vsctl list-ports br0
```

Description: Show ifaces on a bridge

```
ovs-vsctl list-ifaces br0
```

Create OVS bridge

Description: Create bridge

```
ovs-vsctl add-br bridge
```

Add ports to bridge

Description: Add port to bridge

```
ovs-vsctl add-port bridge port
```

Description: Add bond port to bridge

```
ovs-vsctl add-bond bridge port iface
```

Show OVS bond details

Description: Show bond details

```
ovs-appctl bond/show bond
```

Example:

```
ovs-appctl bond/show bond0
```

Set bond mode and configure LACP on bond

Description: Enable LACP on ports

```
ovs-vsctl set port bond lacp=active/passive
```

Description: Enable on all hosts for bond0

```
for i in `hostips`;do echo $i; ssh $i source /etc/profile && /dev/null 2>&1; ovs-vsctl set port bond0 lacp=active;done
```

Show LACP details on bond

Description: Show LACP details

```
ovs-appctl lacp/show bond
```

Set bond mode

Description: Set bond mode on ports

```
ovs-vsctl set port bond bond_mode=active-backup, balance-slb, balance-tcp
```

Show OpenFlow information

Description: Show OVS openflow details

```
ovs-ofctl show br0
```

Description: Show OpenFlow rules

```
ovs-ofctl dump-flows br0
```

Get QEMU PIDs and top information

Description: Get QEMU PIDs

```
ps aux | grep qemu | awk '{print $2}'
```

Description: Get top metrics for specific PID

```
top -p PID
```

Get active Stargate for QEMU processes

Description: Get active Stargates for storage I/O for each QEMU processes

```
netstat -np | egrep tcp.*qemu
```

Metrics and Thresholds

More coming soon!

Troubleshooting & Advanced Administration

Check iSCSI Redirector Logs

Description: Check iSCSI Redirector Logs for all hosts

```
for i in `hostips`; do echo $i; ssh root@$i cat /var/log/iscsi_redirector;done
```

Example for single host

```
Ssh root@HOSTIP  
Cat /var/log/iscsi_redirector
```

Monitor CPU steal (stolen CPU)

Description: Monitor CPU steal time (stolen CPU)

Launch top and look for %st (bold below)

```
Cpu(s):  0.0%us, 0.0%sy,  0.0%ni, 96.4%id,  0.0%wa,  0.0%hi,  0.1%si,  **0.0%st**
```

Monitor VM network resource stats

Description: Monitor VM resource stats

Launch virt-top

```
Virt-top
```