

# OVS on Microsoft Hyper-V

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## What is it?

- Collaborated effort from both VMware and Cloudbase Solutions
- Consists of:
  - Ported OVS userspace
  - Brand new Kernel Datapath driver
- All ovs-\*ctl commands work on Hyper-V
- Features: VXLAN, STT (with TSO), L2/L3 header overwrite, VLAN
- Weekly IRC meeting on #openvswitch at 10 AM PST Tuesday

## Status so far:

- Windows GUI Installer
- 64-Bit User Space for Windows Nano
- OpenStack Neutron ML2 + OVS Agent works on Windows
- Use Appveyor to autobuild OVS on Windows
- Primary goal has been to make it work out of the box and keep things consistent with KVM
  - Support Checksum and TCP Offloads in STT
  - Poll based packet receive
  - Use native names for adapters

## Upcoming changes:

- Support Multiple NICs for Failover
  - Includes Teaming support, multiple VTEPs
- Add support for Stateful Firewall and packet recirculation
  - Implement 'contrack' like module for Hyper-V
- Support MegafloWS
- GRE and GENEVE tunneling
- Leverage hardware offloads for tunneling (at least VXLAN)
- Ship it in 2.5