### **NAME**

ovn-ctl - Open Virtual Network northbound daemon lifecycle utility

#### **SYNOPSIS**

ovn-ctl [options] command

#### DESCRIPTION

This program is intended to be invoked internally by Open Virtual Network startup scripts. System administrators should not normally invoke it directly.

## **COMMANDS**

```
start_northd
start_controller
start_controller_vtep
stop_northd
stop_controller_vtep
restart_northd
restart_controller
restart_controller
restart_controller_vtep
promote_ovnnb
promote_ovnsb
demote_ovnsb
status_ovnnb
status_ovnsb
```

## **OPTIONS**

- $-\!-\!ovn\!-\!northd\!-\!priority\!=\!NICE$
- --ovn-northd-wrapper=WRAPPER
- --ovn-controller-priority=NICE
- --ovn-controller-wrapper=WRAPPER
- -h | --help

## FILE LOCATION OPTIONS

- --db-sock=SOCKET
- --db-nb-file=FILE
- --db-sb-file=FILE
- --db-nb-schema=FILE
- --db-sb-schema=FILE
- --db-sb-create-insecure-remote=yes/no
- $--\mathbf{db-nb-create-insecure-remote} = yes/no$
- --ovn-controller-ssl-key=KEY
- --ovn-controller-ssl-cert=CERT
- --ovn-controller-ssl-ca-cert=CERT
- --ovn-controller-ssl-bootstrap-ca-cert=CERT

# ADDRESS AND PORT OPTIONS

- --db-nb-sync-from-addr=IP ADDRESS
- --db-nb-sync-from-port=PORT NUMBER
- --db-nb-sync-from-proto=PROTO

- --db-sb-sync-from-addr=IP ADDRESS
- --db-sb-sync-from-port=PORT NUMBER
- --db-sb-sync-from-proto=PROTO

#### **CONFIGURATION FILES**

Following are the optional configuration files. If present, it should be located in the etc dir

#### ovnnb-active.conf

If present, this file should hold the url to connect to the active Northbound DB server

tcp:x.x.x.x:6641

#### ovnsb-active.conf

If present, this file should hold the url to connect to the active Southbound DB server

tcp:x.x.x.x:6642

## ovn-northd-db-params.conf

If present, start\_northd will not start the DB server even if **—-ovn—manage—ovsdb=yes**. This file should hold the database url parameters to be passed to ovn-northd.

--ovnnb-db=tcp:x.x.x.x:6641 --ovnsb-db=tcp:x.x.x.x:6642

#### **EXAMPLE USAGE**

Run ovn-controller on a host already running OVS

# ovn-ctl start\_controller

Run ovn-northd on a host already running OVS

# ovn-ctl start\_northd

## All-in-one OVS+OVN for testing

# ovs-ctl start --system-id="random"

# ovn-ctl start\_northd

# ovn-ctl start\_controller

#### Promote and demote ovsdb servers

# ovn-ctl promote\_ovnnb

# ovn-ctl promote\_ovnsb

 $\# \ ovn-ctl \ --db-nb-sync-from-addr=x.x.x.x \ --db-nb-sync-from-port=6641 \ demote\_ovnnb-sync-from-port=6641 \ demote\_$ 

# ovn-ctl --db-sb-sync-from-addr=x.x.x.x --db-sb-sync-from-port=6642 demote\_ovnsb