

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
stop_controller_vtep
restart_northd
restart_controller
restart_controller_vtep
promote_ovnnb
promote_ovnsb
demote_ovnnb
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
--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
```

```
# ovn-ctl --db-sb-sync-from-addr=x.x.x.x --db-sb-sync-from-port=6642 demote_ovnsb
```