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