



Configure XCP

XCP 1.6.2

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Configure XCP

Configure the INI file for XCP NFS

Steps to configure the INI file XCP.

Follow these steps to configure the INI file for XCP NFS.

Steps

1. Add the catalog location for the XCP server in the host configuration file using the `vi` editor.



Catalog location should be exported before modifying the details in the `xcp.ini` XCP configuration file. Catalog location (NFSv3) should be mountable by the XCP Linux host but not necessarily be mounted.

```
[root@localhost ~]# vi /opt/NetApp/xFiles/xcp/xcp.ini
```

2. Verify that the XCP Linux client host configuration file entries for the catalog were modified.

```
[root@localhost ~]# cat /opt/NetApp/xFiles/xcp/xcp.ini
# Sample xcp config
[xcp]
catalog = 10.61.82.210:/vol/xcpvol/
```

Performance tuning (NFS only)

After planning the migration with the `show` and `scan` commands, you can migrate data.

For the optimal performance and reliability, NetApp recommends setting the following Linux kernel TCP performance parameters in `/etc/sysctl.conf` on the XCP Linux client host. Run `sysctl -p` or the `reboot` command to commit the changes:

```
net.core.rmem_default = 1342177
net.core.rmem_max = 16777216
net.core.rmem_max = 16777216
net.core.wmem_default = 1342177
net.core.wmem_max = 16777216
net.ipv4.tcp_rmem = 4096 1342177 16777216
net.ipv4.tcp_wmem = 4096 1342177 16777216
net.core.netdev_max_backlog = 300000
net.ipv4.tcp_fin_timeout = 10
```

Environment variable (NFS only)

Optional environment variable configuration for NFS systems.

The environment variable `XCP_CONFIG_DIR` overrides the default location, `/opt/NetApp/xFiles/xcp`. If set, the value should be an OS filesystem path, possibly to a mounted NFS directory. When a custom configuration directory is set, the log file is named `xcp.hostname.log` instead of the default, `xcp.log`.

```
[root@localhost ~]# export XCP_CONFIG_DIR='/tmp/xcp_config_dir_path'
```

The environment variable `XCP_LOG_DIR` overrides the default location that stores the XCP log in the configuration directory. If set, the value should be an OS filesystem path, possibly to a mounted NFS directory. When a custom log directory is set, the log file is named `xcp.hostname.log` instead of the default, `xcp.log`.

```
[root@localhost ~]# export XCP_LOG_DIR='/tmp/xcp_log_dir_path'
```

The environment variable `XCP_CATALOG_PATH` overrides the setting in `xcp.ini`. If set, the value should be in the xcp path format, `server:export[:subdirectory]`.

```
[root@localhost ~]# export XCP_CATALOG_PATH='10.61.82.210:/vol/xcpvol/'
```

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