



Configure XCP

XCP 1.6.2

NetApp
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Configure XCP

Configure the INI file for XCP NFS

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)

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
37Tnet.core.rmem_max = 16777216
37Tnet.core.rmem_max = 16777216
37Tnet.core.wmem_default = 1342177
37Tnet.core.wmem_max = 16777216
37Tnet.ipv4.tcp_rmem = 4096 1342177 16777216
37Tnet.ipv4.tcp_wmem = 4096 1342177 16777216
37Tnet.core.netdev_max_backlog = 300000
37Tnet.ipv4.tcp_fin_timeout = 10
```

Environment variable (NFS only)

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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