



# Migrate NFS data

XCP 1.6.2

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

## Copy

The `copy` command scans and copies the entire source directory structure to a destination NFSv3 export. The `copy` command requires having source and destination paths as variables. The scanned and copied files, throughput/speed, and elapsed time details are displayed at the end of the copy operation

### Example:

```
xcp copy -newid <id> src_server:/src_export dst_server:/dst_export
```

See `xcp help copy` for more details.

## Resume:

The `resume` command restarts a previously interrupted copy operation by specifying the catalog index name or number. The catalog index name or number of the previous copy operation is stored on the `<catalog path>:/catalog/indexes` directory.

### Example:

```
xcp resume [options] -id <id used for copy>
```

See `xcp help resume` for more details.

## Sync

The `sync` command scans for changes and modifications performed on a source NFS directory using a catalog index tag name or the number of a previous copy operation. Source incremental changes are copied and applied to the target directory. The old catalog index numbers are replaced with a new one after the sync operation.

### Example:

```
xcp sync [options] -id <id used for copy>
```

See `xcp help sync` for more details.

## Verify

The `verify` command uses a full byte-by-byte data comparison between source and target directories after the copy operation without using a catalog index number. The command checks for modification times and other file or directory attributes, including permissions. The command also reads the files on both sides and compares the data.

### Example:

```
xcp verify src_server:/src_export dst_server:/dst_export
```

See `xcp help verify` for more details.

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