

# Command Line Server Console

## Procedure

### Command Line Server Console

You can run the server console as a command line utility to back up, restore, and migrate vaults and Content Center libraries.

#### Note

AutoCAD Civil 3D does not use Content Center libraries.

You can run the server console as a command line utility to back up and restore vaults.

#### Run the server console from the command line:

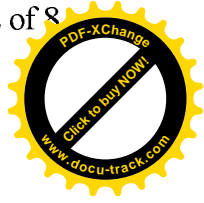
1. Click Windows Start ► Run, and then enter cmd in the Run dialog box.
2. Change directories to the install directory for the server console. By default, this path is C:\Program Files\Autodesk\ADMS <application> <year>\ADMS Console, where application is the Autodesk Vault edition and year is the release year (e.g., Manufacturing 2010).
3. At the command line, type: Connectivity.ADMSConsole.exe followed by the command line options, and then press Enter.

#### ↓ Back Up the Vault

The backup switch requires a vault administrator account.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Obackup	The operation being performed (required).
-Bfolder	The back up directory (required).
-VUusername	Vault administrator account user name (required).
-VPpassword	Vault administrator account password (required unless password is blank).
-VAL	Validates the backup. Errors are recorded in the specified log file. See Optional Switches for more information on specifying a log file.
-INC	Performs an incremental backup.
-DBSC	Excludes the standard content libraries from the back up process. The standard content libraries are detached before backing up the vault, the vault is backed up, and then the standard content libraries are reattached.



- DBUsaUser            The SQL sa account user name (required unless default configuration).
- DBPsapassword      The SQL sa account password (required unless default configuration).

### Example

Connectivity.ADMSConsole.exe -Obackup -BC:\Backup -VUadministrator -VPadmin -VAL -LC:\Backup\BackupLog.txt

**Note** Paths containing spaces must be inside of double quotes (for example, "C:\Vault Backup").

### Using Tape Backup Software with a SQL Server Plug In

If you use backup software that supports Microsoft SQL server, such as Veritas Backup Exec, then you can select the vault server during your standard backup.

**Note** We recommend using the supplied utility. Using it backs up the SQL data and the file store giving you more predictable results.

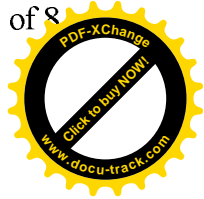
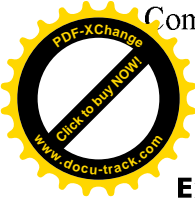
### ↓ Restore the Vault

The restore switch requires a vault administrator account and a database administrator account, unless the default database account is still valid. The restore command does not automatically migrate data. If restoring the vault data to an upgraded vault server, migrate the data immediately after restore.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

- Orestore            The operation being performed (required).
- Bfolder            The back up directory (required).
- VUusername        Vault administrator account user name (required).
- VPpassword        Vault administrator account password (required unless password is blank).
- DBUusername       Database account user name (required unless default configuration).
- DBPpassword       Database account password (required unless default configuration).
- Tfolder            The target database location (optional).
- Ufolder            The target file store location (optional).
- INC                Performs an incremental restore.

**Note** By default, the restore command restores both components to their original locations. If the -T is not used, then the database is restored to the default location defined in the MSDE SQL installation. If the -U is not used, then the file store is restored to its original location.



## Example

```
Connectivity.ADMSConsole.exe -Orestore -BC:\Backup -VUadministrator -VAdmin -
DBUdbadmin -DBPdbpassword -LC:\Vault.txt
```

**Note** You specify the name and location of the backup from which you want to restore. Paths containing spaces must be inside of double quotes (for example, "C:\Vault Backup").

**Tip** If you need to move all the vaults from one server to another, back up the vaults using Connectivity.ADMSConsole.exe, install the vault server on the other computer, copy the archive to the other computer, and then restore all the vaults on the new computer using Connectivity.ADMSConsole.exe.

## ↓ Migrate Vault Data

Migrating vault data applies whatever changes are necessary to the database schema following an upgrade of the vault server. Always migrate data following an upgrade of the vault server. The migrate switch requires a vault administrator account and a database administrator account, unless the default database account is still valid.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

<i>-Omigrate</i>	The operation being performed (required).
<i>-VUusername</i>	Vault administrator account user name (required).
<i>-VPpassword</i>	Vault administrator account password (required).
<i>-DBUusername</i>	Database account user name (required unless default configuration).
<i>-DBPpassword</i>	Database account password (required unless default configuration).

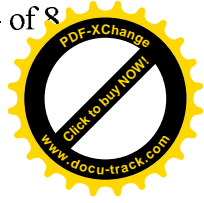
## Example

```
Connectivity.ADMSConsole.exe -Omigrate -VUadministrator -VAdmin -DBUdbadmin -
DBPdbpassword
```

## ↓ Purge File Versions

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

<i>-Opurge</i>	The operation being performed (required). If this operation is executed without any other switches, the task will run based on revision and lifecycle rules without affecting uncontrolled files.
<i>-Nvault name</i>	The name of the vault to be purged (required).
<i>-Stop</i>	Halts the purge task while it is running.
<i>-Normal</i>	Sets the purge task to a normal system priority.



-KEEPVERS <i>numberX</i>	Keep the latest X number of versions (optional). The value can range between 1 and 99. The default value is 1.
-MINAGE <i>numberX</i>	Purge versions older than X number of days (optional). The value can range between 0 and 180. The default value is 0.
-EXCLCMT <i>comment</i>	Purge versions that do not contain the specified comment (optional). The default value is an empty string, "".
-UNCONTROLLED	Purges versions based on default settings and the revision and lifecycle rules. If used in conjunction with -KEEPVERS, -MINAGE, or -EXCLCMT, then the system purges uncontrolled files as well as files based on revision and lifecycle rules.
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).

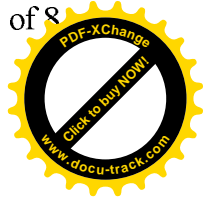
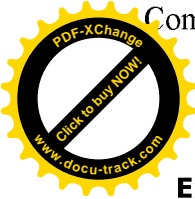
### Example

Connectivity.ADMSConsole.exe -Opurge -NVault -KEEPVERS3 -MINAGE30 -EXCLCMT"Do not purge" -VUadministrator -VPadmin

### ↓ Re-index Vault Data

1. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Oreindexproperties	The operation being performed (required).
-N <i>database</i> name	The name of the database to be re-indexed (required).
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).
-TIP	Re-indexes only the tip versions of files (optional). If used, only the latest version, the released versions, and pending released versions are indexed. If not included, all files for the specified vault are re-indexed.
-STOP	Terminates the re-indexing operation (optional). Once stopped, re-indexing cannot be started from the point at which it left off.
-NORMAL	Bumps the process priority from "Below Normal" to "Normal" (optional). The priority cannot be changed once the re-indexing operation is initiated. If the -NORMAL switch is used, re-indexing will complete sooner; however, server performance will degrade due to the higher priority of the operation.



## Examples

Connectivity.ADMSConsole.exe -Oreindexproperties -NVault -VUadministrator -VPadmin

Connectivity.ADMSConsole.exe -Oreindexproperties -NVault -VUadministrator -VPadmin -TIP

Connectivity.ADMSConsole.exe -Oreindexproperties -NVault -VUadministrator -VPadmin -NORMAL

Connectivity.ADMSConsole.exe -Oreindexproperties -NVault -VUadministrator -VPadmin -STOP

### ↓ Defragment a Vault Database

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Odefragmentvault	The operation being performed (required).
-N <i>databaseName</i>	The name of the vault database to be defragmented (required).
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).

### Example

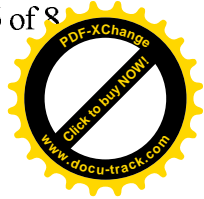
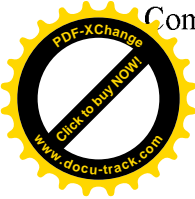
Connectivity.ADMSConsole.exe -Odefragmentvault -NVault -VUadministrator -VPadmin

### ↓ Import a Library

The server console command line can be used to import libraries.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Oimportlibrary	The operation being performed (required).
-N <i>LibraryName</i>	The database name of the library to import (required).
-DF <i>dataFilePath</i>	The path to the data file being imported, including the name of the file (required).
-ZIP	A switch that indicates the data file is a Zip file containing both the .mdf and .ldf files (required regardless if the file specified in the -DF switch ends with a .zip extension).
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).
-DBU <i>username</i>	Database account user name (required unless default configuration).
-DBP <i>password</i>	Database account password (required unless default



configuration).

### Example

```
Connectivity.ADMSConsole.exe -Oimportlibrary -N"Inventor Standard Content" -DF"c:\My
Library Repository\Inventor Standard Content.mdf" -VUadministrator -VPadmin -DBUsername
-DBPassword
```

### ↓ Export a Library

The server console command line can be used to export libraries.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Oexportlibrary	The operation being performed (required).
-N <i>LibraryName</i>	The database name of the library to export (required).
-T <i>TargetDirectory</i>	The path to store the exported library (required).
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).

### Example

```
Connectivity.ADMSConsole.exe -Oexportlibrary -N"Inventor Standard Content" -T"c:\My
Library Repository" -VUadministrator -VPadmin
```

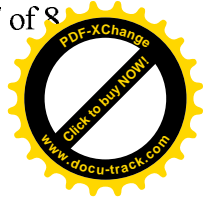
### ↓ Attach a Library

The server console command line can be used to attach libraries.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Oattachlibrary	The operation being performed (required).
-N <i>LibraryName</i>	The database name of the library to attach.
-DF <i>dataFilePath</i>	The path to the data file being attached, including the name of the file (required).
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).
-DBU <i>username</i>	Database account user name (required unless default configuration).
-DBP <i>password</i>	Database account password (required unless default configuration).

### Example



```
Connectivity.ADMSConsole.exe -Oattachlibrary -N"Inventor Standard Content" -DF"c:\My
Library Repository\Inventor Standard Content.mdf" -VUadministrator -VAdmin -DBUsername
-DBPassword
```

### ↓ Detach a Library

The server console command line can be used to detach libraries.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

-Odetachlibrary	The operation being performed (required).
-N <i>LibraryName</i>	The database name of the library to detach.
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).
-DBU <i>username</i>	Database account user name (required unless default configuration).
-DBP <i>password</i>	Database account password (required unless default configuration).

### Example

```
Connectivity.ADMSConsole.exe -Odetachlibrary -N"Inventor Standard Content" -
VUadministrator -VAdmin -DBUsername -DBPassword
```

### ↓ Defragment a Library Database

The server console command line can be used to defragment a library database.

1. Make sure no users are connected to the vault.
2. Run Connectivity.ADMSConsole.exe from a command line with the following switches:

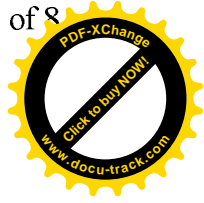
-Odefragmentlibrary	The operation being performed (required).
-N <i>databaseName</i>	The name of the library database to defragment (required).
-VU <i>username</i>	Vault administrator account user name (required).
-VP <i>password</i>	Vault administrator account password (required).

### Example

```
Connectivity.ADMSConsole.exe -Odefragmentlibrary -NLibrary -VUadministrator -VAdmin
```

### ↓ Rename a server

If you rename the computer hosting the Autodesk vault server, the computer name must also be updated in the Autodesk vault server. The computer name can be changed in the vault server either before or after the actual computer name is changed. In a multi-site environment, the name of the computer hosting the Autodesk vault server is the name of the



site.

- |                          |   |
|--------------------------|---|
| -OSiteRename             | The operation being performed (required).               |
| -SNO <i>previousname</i> | The current name of the computer to rename (required).  |
| -SNN <i>newname</i>      | The new name for the computer being renamed (required). |
| -DBUsa <i>User</i>       | The SQL sa account user name (required).                |
| -DBPsapassword           | The SQL sa account password (required).                 |

### Example

```
Connectivity.ADMSConsole.exe -OSiteRename -SNOserver -SNNnewsriver -DBUsa -DBPsAutodeskVault@26200
```

### Optional Switches

The following switches are optional and can be used with the command line operations.

- |     |   |
|-----|---|
| -WA | Use Windows Authenticaion for a command that requires a vault user name and password. Use in place of -VUsername and -VPpassword. |
| -S  | Run the utility in silent mode without any message boxes.   |
| -L  | Specify the name and location for a log file. If the log file already exists, the output is appended to the file specified.       |

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### See Also

- [Back Up the Vault](#)
- [Restore the Vault](#)
- [Server Console Configuration](#)
- [Specify Full or Incremental](#)