

InfoSphere Information Server

How to manually delete a DataStage project



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This presentation describes how to manually delete a DataStage® project for all versions of DataStage.

Objectives

- Remove job from Local Repository
- Remove job from xmeta (version 8 only)

Sometimes in DataStage, problems arise where a project cannot be deleted with the DataStage Administrator. All versions of DataStage have a local repository located on the system that DataStage is installed on. At version 8 of DataStage, there is also a database repository, named xmeta by default, that is located in a separate DB2®, Oracle, or SQL Server database. This presentation will show how to manually remove the project from both the local repository and from xmeta.

Local repository (1 of 4)

- Remove project directory at operating system level
 - Have copy or backup of project

UNIX® and Linux® example:

```
$ cd /opt/IBM/InformationServer/Server/Projects
$ mv DSProd DSProd.old
```

Windows® example:

```
cd \IBM\InformationServer\Server\Projects
move DSProd DSProd.old
```

This presentation uses DSProd as the project to be deleted. The first step is to remove the project directory from the operating system level. Move the directory to a new name in case you make a mistake and need to move it back. Once you have successfully removed the project, go back and remove the saved copy. In the UNIX and Linux example, the Projects directory was used. Next, type

```
mv DSProd DSProd.old
```

For Windows, either use the move command to rename the directory or use Windows Explorer and rename the directory.

Local repository (2 of 4)

- Start uvsh shell (UNIX or Linux)

```
cd $DSHOME
./dsenv
bin/uvsh
```

```
$ cd /opt/IBM/InformationServer/Server/DSEngine
$ ./dsenv
$ bin/uvsh
DataStage Command Language 8.1 Licensed Materials - Property of IBM
(c) Copyright IBM Corp. 1997, 2007 All Rights Reserved.
DSEngine logged on: Monday, February 07, 2011 11:40
>
```

- Start uvsh shell (Windows)
- ```
cd \\IBM\InformationServer\Server\DSEngine
bin\uvsh
```

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The next few steps require that you work from a DataStage engine prompt. cd to your \$DSHOME directory where \$DSHOME is the path to the DataStage DSEngine directory. Next, on a UNIX or Linux system, source the dsenv file to set up your DataStage environment by typing:

```
./dsenv
```

Next, start a DataStage engine shell by typing:

```
bin/uvsh
```

You must be in the DSEngine directory to do this. Do not attempt to run uvsh from within the bin directory. If you have run everything correctly, you will see a greater-than prompt as in the example on this slide.

## Local repository (3 of 4)

- Remove project from UV.ACCOUNT  
LIST UV.ACCOUNT  
DELETE UV.ACCOUNT <project>

```
LIST UV.ACCOUNT 12:01:27 02-07-11 PAGE 6
Account... UID GID Owner name..... UNIX pathname..... Permissions
DSProd DataStage\8.1\AL /opt/IBM/InformationServ
CATRAZ\15033 er/Server/Projects/DSPro
d

38 records listed.
>DELETE UV.ACCOUNT DSProd

1 records DELETED.
>_
```

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Once at a uvsh prompt, remove the project entry from the UV.ACCOUNT file. The engine commands are the same for UNIX, Linux, and Windows. Note that the uvsh prompt will type everything in uppercase automatically so you will need to hold the shift key down to do lowercase letters. The project name is case sensitive.

If you are not sure of the exact case or spelling of your project name, type:  
LIST UV.ACCOUNT

This will list all your projects. Look for the project you want to delete in the list and get the exact spelling. Once you have that, type:

DELETE UV.ACCOUNT project

Where project is the name of the project to be deleted. You should get a message returned that one record was deleted.

## Local repository (4 of 4)

- Cleanup project from SQL files  
VERIFY.SQL SCHEMA <project> FIX

```
>VERIFY.SQL SCHEMA DSProd FIX
Checking permission.
* '/opt/IBM/InformationServer/Server/Projects/DSProd' is not a DataStage
 account.
* Deleting catalog data for schema 'DSProd'.
* Deleting table data for 'EXAMPLE1'.
* Deleting columns data for 'CODE'.
* Deleting columns data for 'DATE'.
* Deleting columns data for 'QTY'.
* Deleting columns data for 'PRODUCT'.
* Deleting ownership record for user 'dsadm' on table 'EXAMPLE1'.

2 errors fixed.

Items marked with a '!' are information messages only.
Items marked with a '*' have been fixed.
Items marked with a '**' are situations where VERIFY.SQL could not continue.
>
```

- Type QUIT to exit uvsh

The final step is to clean up the project file from the local SQL files. The VERIFY.SQL command will take care of the cleanup for you. At your engine prompt type:  
VERIFY.SQL SCHEMA <project> FIX

Where project is the name of the project you are deleting. You should see a message saying two errors were fixed.

Once this is complete, the project has been successfully deleted from the local repository. Type QUIT to exit the engine shell. If you are on version 7 or lower of DataStage, the project deletion is complete. If you are on version 8 or above, you will now need to make sure the project is removed from the xmeta database.

## Xmeta database – version 8 only

- DStageWrapper
  - Need to get from support for 8.0 through 8.1 FP1
    - Install in InformationServer/ASBNode/bin
  - Shipped with 8.1 FP2 and 8.5
    - Located in InformationServer/ASBNode/bin
      - UNIX/Linux – DStageWrapper.sh
      - Windows – DStageWrapper.bat

You will need the DStageWrapper script in order to manually remove a project from the xmeta database. In version 8.0 through 8.1 fix pack 1, you will need to call Information Server Technical support to get a copy of this script and install instructions. Version 8.1 fix pack 2 and version 8.5 both ship with a copy of DStageWrapper. It is located in the InformationServer/ASBNode/bin directory for UNIX, Linux and Windows.

For simplicity, in this section of the presentation, the UNIX and Linux syntax for DStageWrapper is used. The Windows syntax will be exactly the same except the DStageWrapper command ends in a .bat instead of .sh.

## Xmeta database – list projects – version 8 only

- List projects
  - cd InformationServer/ASBNode/bin
  - **Version 8.0:**  
./DStageWrapper.sh -query "select x.Name, x.HostName from x in DSProject"
  - **Version 8.1:**  
./DStageWrapper.sh -user <SuiteAdmin> -password <SuiteAdminPasswd> -domain <domainName> -query "select x.Name, x.HostName from x in DSProject"
  - **Version 8.5 and 8.7:**  
./DStageWrapper.sh -user <SuiteAdmin> -password <SuiteAdminPasswd> -domain <domainName> -query \"select x.Name, x.HostName from x in DSProject\"  
\*\*Note the backslash in front of the double quotes
  - Command output:  
    DSProd PRODSERVER  
    1 rows returned.  
    DoQuery (select x.Name, x.HostName from x in DSProject)
  - See if project exists in list
  - Note exact case of project name and server name

The first step is to list out the projects to see if the one you are deleting is in xmeta. There are times when the project is only left in the local repository and not in xmeta. You will need to determine if the project does in fact exist in xmeta.

Change directories to the InformationServer/ASBNode/bin directory. Using the DStageWrapper command, list out the projects and check to see if the project to be deleted is in the list. For version 8.0, the command is  
./DStageWrapper.sh -query "select x.Name, x.HostName from x in DSProject".

For version 8.1 and higher, you will need to add the –user and –password arguments. If you are not running the command on the domain server, you will also need to run the -domain argument.

At version 8.5 and 8.7, put backslashes in front of each double quote as displayed on this slide. Find your project in the list. If it exists, note the exact spelling and case of both the project name and the server name.



## Xmeta database – delete project – version 8 only

- Delete project
  - Use exact server name
  - Server long names and short names are **not** same
    - Ex: PRODSERVER <> PRODSERVER.ibm.com
- Version 8.0  
DStageWrapper.sh -deleteproject <server> <project>  
Example:  
\$ ./DStageWrapper.sh -deleteproject PRODSERVER DSProd
- Version 8.1 and 8.5  
DStageWrapper.sh -user <SuiteAdmin> -password <SuiteAdminPasswd> -domain <domainName> -deleteproject <server> <project>
- List project again to verify successful project deletion

Once you have the project name and the server name, run the DStageWrapper command with the `–deleteproject` option. Make sure that you put the server name in exactly as it appeared in the list output. This includes both the case of the project and server name and the use of the long server name versus the short server name.

For 8.0 the command is:

```
DStageWrapper.sh -deleteproject <server> <project>
```

Where server and project are the server and project name exactly as they appeared in the list.

For version 8.1 and higher, you will need to add the `–user` and `–password` arguments. If you are not running the command on the domain server, you will also need to run the `-domain` argument.

If the command finishes successfully, you will get a prompt back and no output. You must run the list command again to verify that the project was successfully deleted. If the project or server name is wrong, you will not get a message back, only a prompt. If the project is no longer in the list, you are finished. If the project is still in the list, it means that a typing error was made when you entered the server name, project name or both. Go back and verify the project and server names and try the command again.

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