Rimuovere dll custom importate in una galaxy di System Platform

Rev 1 - 27/04/2023



#### Introduzione

Questa TN descrive la procedura di rimozione di una dll custom importata in una galaxy di System Platform.

## Versioni

Quanto descritto in questa TN si applica a tutte le versioni di System Platform.

Quanto riportato è stato testato su System Platform 2023 P01 installata su Windows Server 2022.

## Introduzione

L'ambiete System Platform, più precisamente Application Server, consente allo sviluppatore di importare e installare librerie .NET personalizzate sviluppate in Microsoft Visual Studio da utilizzare negli oggetti della sua galaxy. Può capitare che uno sviluppatore voglia rimuovere le librerie installate dal repository della galaxy.

In questo esempio, la libreria di script System.Data.SQLite.dll è stata importata nella galaxy DemoDLLCustom. Tuttavia, si è deciso che il progetto non necessitava di questa libreria e il cliente vuole ora rimuoverla dalla galassia. Per farlo, è necessario eliminare i file e le voci del database nel nodo del repository della galassia.

## Procedura

Per prima cosa bisogna cancellare la seguente lista di file ai percorsi indicati, se esistono (NB: yourScriptFunctionDIIName è il nome del file dll o aaSLIB da cancellare. Nel nostro caso è System.Data.SQLite):

- C:\Program Files \ArchestrA\Framework\FileRepository\GalaxyName\AddOns\QScript2Lib\
  - o yourScriptFunctionDIIName.Net.aaSLIB
  - yourScriptFunctionDllName.Net.xml
- C:\Program Files\ArchestrA\Framework\Bin\ScriptTemp
  - yourScriptFunctionDllName.idf
  - o yourScriptFunctionDIIName.Net.aaSLIB
  - o yourScriptFunctionDllName.Net.cs
  - o yourScriptFunctionDllName.Net.dll
  - yourScriptFunctionDllName.Net.xml
- C:\Program Files \ArchestrA\Framework\FileRepository\GalaxyName\Vendors\ArchestrA
  - o yourScriptFunctionDllName.dll
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Quindi, una volta rimossi i file dal repository, bisogna eliminare le voci del Galaxy Database relative al file:

- Apriamo SQL Server Management Studio
- Nell'Object Explorer, espandiamo tutto fino a Databases -> <NomeGalaxy> -> Tables (nel nostro caso: Databases -> DemoDLLCustom -> Tables)
- Apriamo la cartella Tables
- Aprire la tabella "file\_table" facendo clic con il pulsante destro del mouse su file\_table e selezionando Select Top 1000 Rows
- Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[file\_table] where file\_name like '%yourScriptFunctionDllName.dll%' (nel nostro caso: Select \* from [DemoDLLCustom].[dbo].[file\_table] where file\_name like '%System.Data.SQLite.dll%') per scoprire il parametro file\_id associato alla nostra dll da cancellare

	ē	/***** select	* Script for Selec	tTopNRows c	ommand from S	SMS ****	***/		
	FROM [DemoDLLCustom].[dbo].[file table] where file name like '%System.Data.SQLite%'								.te%'
100	)%	-				_			
∎	R	esults	B Messages						
		file_id	file_name	vendor_name	registration_type	subfolder	file_version	file_modified_time	
1	1 413 System.Data.SQLite.dll Archestra 1 1.0.117.0								

 Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[feature\_file\_link] (nel nostro caso Select \* from [DemoDLLCustom].[dbo].[feature\_file\_link]) per controllare che ci sia il nostro file\_id

I	/**** Selec	** <u>s</u> t *	Script f FROM [D	or Sele emoDLLC	ctTopNR ustom].	lows [dbc	command ].[feat	from ure_fi	SSMS le_li	******/ nk]
100 %	6 👻 🔍									
	Results	B.	Messages							
	feature	e_id	file_id							
1	1		289							
2	1		290							
3	2		291							
4	3		291							
5	3		292							
6	5		413							
-										

Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[feature file link] (nel nostro caso Select \* from [DemoDLLCustom].[dbo].[feature\_file\_link]) per controllare che ci sia il nostro file id esiste, cancellare con e, se la riga la query delete from [NomeGalaxy].[dbo].[feature file link] where file id = <fileid> (nel nostro caso delete from [DemoDLLCustom].[dbo].[feature\_file\_link] where file\_id = 413)

```
/***** Script for SelectTopNRows command from SSMS *****/
delete FROM [DemoDLLCustom].[dbo].[feature_file_link] where file_id = 413
```

Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[feature] (nel nostro caso Select \* from [DemoDLLCustom].[dbo].[feature]) per controllare che ci sia il nostro file\_id e, se esiste, cancellare la riga con la query delete from [NomeGalaxy].[dbo].[feature\_file\_link] where feature\_name = 'yourScriptFunctionDllName.dll' (nel nostro caso delete from [DemoDLLCustom].[dbo].[feature\_file\_link] where feature\_name = 'System.Data.SQLite.dll')

E	-select *			
	FROM [[	DemoDLLCustom].[dbo].[feature]]		
00 %	6 - 1			
	Results 📑	Messages		
	feature_id	feature_name	feature_type	
1	1	aaDBIntegration	QuickScript2 Library	
2	2	ArchestrA.Visualization.GraphicScriptTypes	QuickScript2 Library	
3	3 ArchestrA.Visualization.GraphicScriptFunctions QuickScript2 Library			
4	5 /****** <u>s</u>	System.Data.SQLite	QuickScript2Library	
4 [ ]	5 /****** 5 = select * FROM [[ % •	System.Data.SQLite Script for SelectTopNRows command DemoDLLCustom].[dbo].[feature]	QuickScript2Library from SSMS ******/	
4 00 %	5 /****** 9 = select * FROM [D % - Results	System.Data.SQLite Script for SelectTopNRows command DemoDLLCustom].[dbo].[feature] Messages	QuickScript2Library from SSMS ******/	
4 00 %	5 /****** 5 = select * FROM [[ % - Results = feature_id	System.Data.SQLite Script for SelectTopNRows command DemoDLLCustom].[dbo].[feature] Messages feature_name	QuickScript2Library from SSMS ******/ feature_type	
4 00 %	5 /****** 9 select * FROM [D & - Results feature_id 1	System.Data.SQLite Script for SelectTopNRows command DemoDLLCustom].[dbo].[feature] Messages feature_name aaDBIntegration	QuickScript2 Library from SSMS ******/ feature_type QuickScript2 Library	
4 00 % 11 2	5 /****** 9 select * FROM [[ 6 - 4 Results ] feature_id 1 2	System.Data.SQLite Script for SelectTopNRows command DemoDLLCustom].[dbo].[feature] Messages feature_name aaDBIntegration ArchestrA.Visualization.GraphicScriptTypes	QuickScript2 Library from SSMS ******/ feature_type QuickScript2 Library QuickScript2 Library	
4 00 % 11 2 3	5 /****** 9 select * FROM [D & - Results feature_id 1 2 3	System.Data.SQLite Script for SelectTopNRows command DemoDLLCustom].[dbo].[feature] Messages feature_name aaDBIntegration ArchestrA.Visualization.GraphicScriptTypes ArchestrA.Visualization.GraphicScriptFunctions	Quick Script2 Library from SSMS ******/ feature_type Quick Script2 Library Quick Script2 Library Quick Script2 Library	



Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[file\_pending\_update] (nel nostro caso Select \* from [DemoDLLCustom].[dbo].[file\_pending\_update]) per controllare che ci sia il nostro file\_id e, se esiste, cancellare la riga con la query delete from [NomeGalaxy].[dbo].[file\_pending\_update] where file\_id = <fileid> (nel nostro caso delete from [DemoDLLCustom].[dbo].[file\_pending\_update] where file\_id = 413)

· · ·			
/****** Script for	SelectTopNRows	command from SSMS	******/
E SELECT *			
FROM [DemoDLLCu:	stom].[dbo].[fil	e_pending_update]	
100 % 👻 🖣			
Results Resages			
file_id node_name			

Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[file\_primitive\_definition\_link] (nel nostro caso Select \* from [DemoDLLCustom].[dbo].[file\_primitive\_definition\_link]) per controllare che ci sia il nostro file\_id e, se esiste, cancellare la riga con la query delete from [NomeGalaxy].[dbo].[file\_primitive\_definition\_link] where file\_id = <fileid> (nel nostro caso delete from [DemoDLLCustom].[dbo].[file\_primitive\_definition\_link] where file\_id = 413)



 Eseguiamo la query Select \* from [NomeGalaxy].[dbo].[file\_table] where file\_name like '%yourScriptFunctionDllName.dll%' (nel nostro caso: Select \* from [DemoDLLCustom].[dbo].[file\_table] where file\_name like '%System.Data.SQLite.dll%') e cancelliamo la riga corrispondente alla nostra dll con la query delete from [NomeGalaxy].[dbo].[file\_table] where file\_name like '%yourScriptFunctionDllName.dll%' (nel nostro caso: delete from [DemoDLLCustom].[dbo].[file\_table] where file\_name like '%System.Data.SQLite.dll%')

A questo punto, la DLL è stata rimossa. Per verificare, accedere all'IDE e selezionare Galaxy->Export->Script FunctionLibrary: la libreria non dovrebbe essere presente nell'elenco.

Export Script Library	
Folder for export	Q
Script function library	
aaDBIntegration ArchestrA.Visualization.GraphicScriptFunctio ArchestrA.Visualization.GraphicScriptTypes	ns
	Cancel Export

# Referenze

TechTip 810 di Wonderware North East

#### Autore: F. Pastore

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