

How to

Procedimiento para borrar workflows



Versión: 1.0

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Se aplica a: Q-flow 3.0

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Introducción

El objetivo de este documento es describir un mecanismo administrativo que permita eliminar workflows de un servidor que pasará a producción y tiene pruebas que no se desean conservar. Para esto, se emplean stored procedures de SQL Server. Éstos deben ser instalados y ejecutados.

Los scripts que contienen el código de los stored procedures han sido diseñados para ser ejecutados en un servidor de base de datos MS-SQL Server 2005, sobre la base de datos de Q-flow 3.0.

El documento está dirigido a personas con conocimiento y manejo previo de motores de bases de datos, en particular, Microsoft SQL Server 2005.

Ejemplos que se han dispuesto

- Eliminar todos los workflows.
- Eliminar los workflows por el nombre del Template, o sea de un determinado tipo.
- Eliminar un workflow por su ID (CorrelativeFlowID), asignado automáticamente al momento de su creación.

Requerimientos

No es necesario conocer el diseño de la base de datos de Q-flow 3.0 para utilizar los *stored procedures* provistos, ya que éstos están diseñados para ser instalados y ejecutados.

Recomendaciones Previas

Antes de ejecutar los scripts, se recomienda realizar un respaldo de la base de datos de Q-flow 3.0. Si no sabe cómo hacerlo, consulte los manuales de SQL Server 2005.

Stored Procedures provistos

A continuación, se detallan los scripts que contienen los stored procedures.

Eliminar todos los workflows

Este stored procedure elimina todos los workflows creados hasta el momento.

Parámetros que recibe

- Ninguno.

```
CREATE PROCEDURE [DeleteAllFlows]
AS
BEGIN
    SET NOCOUNT ON;

    delete from FlowAttachment
    delete from FlowAttachmentHistory
    delete from FlowAttachmentStorage
    delete from FlowCounter
    delete from FlowCounterHistory
    delete from FlowDataHistory
    delete from FlowData
    delete from FlowEventHandler
    delete from FlowEventHandlerHistory
    delete from FlowLog
    delete from FlowRoleMember
    delete from FlowRole
    delete from FlowRoleHistory
    delete from EngineNews
    delete from FlowThread
    delete from FlowHistory
    delete from FlowStepActionTo
    delete from FlowStepAction
    delete from FlowStepTo
    delete from FlowStep
    delete from Flow
END
```

Eliminar workflows según nombre del template

Este stored procedure es capaz de eliminar todos los workflows de un template dado, o sea de un tipo en particular. Para identificar el template se utiliza su nombre. Este procedimiento no distingue versiones, por lo que serán borrados todos los workflows de todas las versiones del template cuyo identificador es pasado como parámetro.

Parámetros que recibe

- *TemplateName*: nombre del template.

```
CREATE PROCEDURE [DeleteAllFlowsByTemplateName]

    --Parameters for the stored procedure:
    @TemplateName as varchar(256)

AS
BEGIN

    SET NOCOUNT ON;

    delete FlowAttachment
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowAttachmentHistory
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowAttachmentStorage
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowCounter
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowCounterHistory
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowDataHistory
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowData
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
    delete FlowEventHandler
        WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
```

Patterns & Practices

```
delete FlowEventHandlerHistory
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowLog
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowRoleMember
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowRole
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowRoleHistory
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete EngineNews
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowThread
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowHistory
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowStepActionTo
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowStepAction
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowStepTo
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete FlowStep
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
delete Flow
    WHERE FlowID IN (SELECT FlowID FROM Flow F INNER JOIN
TemplatePackage TP ON F.TemplateID=TP.PackageID WHERE TP.Name=
@TemplateName)
END
```

Eliminar workflows por su CorrelativeID

Cada flow que se crea es identificado a lo largo de su existencia con un número auto numérico y único llamado *CorrelativeFlowID*.

El propósito de este stored procedure es el de borrar un flow específico, identificándolo por medio de su *CorrelativeFlowID*.

Parámetros que recibe

- *CorrelativeFlowID*: identificador del Flow.

```
CREATE PROCEDURE [DeleteAllFlowsByCorrelativeFlowId]

    --Parameters for the stored procedure:
    @CorrelativeFlowId as bigint

AS
BEGIN

    SET NOCOUNT ON;

    DECLARE @FlowId UNIQUEIDENTIFIER
    select @FlowId = FlowID FROM Flow WHERE FlowCorrelativeID =
@CorrelativeFlowId

    delete FlowAttachment WHERE FlowID = @FlowID
    delete FlowAttachmentHistory WHERE FlowID = @FlowID
    delete FlowAttachmentStorage WHERE FlowID = @FlowID
    delete FlowCounter WHERE FlowID = @FlowID
    delete FlowCounterHistory WHERE FlowID = @FlowID
    delete FlowDataHistory WHERE FlowID = @FlowID
    delete FlowData WHERE FlowID = @FlowID
    delete FlowEventHandler WHERE FlowID = @FlowID
    delete FlowEventHandlerHistory WHERE FlowID = @FlowID
    delete FlowLog WHERE FlowID = @FlowID
    delete FlowRoleMember WHERE FlowID = @FlowID
    delete FlowRole WHERE FlowID = @FlowID
    delete FlowRoleHistory WHERE FlowID = @FlowID
    delete EngineNews WHERE FlowID = @FlowID
    delete FlowThread WHERE FlowID = @FlowID
    delete FlowHistory WHERE FlowID = @FlowID
    delete FlowStepActionTo WHERE FlowID = @FlowID
    delete FlowStepAction WHERE FlowID = @FlowID
    delete FlowStepTo WHERE FlowID = @FlowID
    delete FlowStep WHERE FlowID = @FlowID
    delete Flow WHERE FlowID = @FlowID

END
```