

Technical Bulletin

ENCOR — Run After Restore

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The stored procedure `spRunAfterRestore` has been added to ENCOR databases. This stored procedure has previously been provided in the ABO database, and will now be present in the following databases as of ENCOR v1.0.1.3 and later:

- ENCOR
- ENCORTransaction
- ENCORService
- FrontOff

This stored procedure should be executed when any of the databases are restored or attached to SQL server, and before the ENCOR installation or `DeployDB.exe` is executed. The purpose of `spRunAfterRestore` is to ensure all users and properties are properly set for each database.

The syntax to execute the stored procedure for any of the databases in SSMS is:

- `use <databasename>`
- `exec spRunAfterRestore`

If the database is from ENCOR 1.0.1.2 or previous, `spRunAfterRestore` will not be present in the databases listed above and will need therefore to be added to each database before attempted to execute it.

The following pages provide the scripts to add the stored procedure to each database using SSMS.

FrontOff

USE FrontOff

```
IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[spRunAfterRestore]') AND type in (N'P', N'PC'))
```

```
Begin
```

```
DROP PROCEDURE spRunAfterRestore
```

```
End
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER OFF
```

```
GO
```

```
CREATE PROCEDURE [dbo].[spRunAfterRestore]
```

```
AS /**/
```

```
begin
```

```
IF NOT EXISTS
```

```
(SELECT name FROM sys.server_principals WHERE name = 'Front')
```

```
BEGIN
```

```
CREATE LOGIN [Front] WITH PASSWORD = 0x0100C5001BC7BF41CA642CC90BDA737225A4FF4D5998F7E94B90 HASHED,
```

```
SID = 0x63992C8CC0EF274B97F4A757AB6171E3, DEFAULT_DATABASE = [FrontOff], CHECK_POLICY = OFF, CHECK_EXPIRATION = OFF
```

```
END
```

```
PRINT ' Configuring user access.'
```

```
IF EXISTS (SELECT * FROM sys.schemas WHERE name = 'Front')
```

```
Drop Schema Front
```

```
IF EXISTS (SELECT 1 FROM sys.database_principals where name='Front')
```

```
Drop User Front
```

```
exec sp_changedbowner 'Front'
```

```
declare @sql nvarchar(1000)
```

```
set @sql = 'Alter database ' + db_name() + ' set TRUSTWORTHY ON'
```

```
exec sp_executesql @sql
```

```
exec sp_configure 'clr enabled', 1
```

```
RECONFIGURE WITH OVERRIDE
```

```
EXEC sp_configure 'show advanced options', 1
```

```
RECONFIGURE
```

```
SET ANSI_NULLS ON
```

```
SET QUOTED_IDENTIFIER ON
```

```
IF NOT EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[tblVersion]') AND type in (N'U')) -- create tblVersion
```

```
and insert starting point for DeployDB update
```

```
BEGIN
```

```
CREATE TABLE [dbo].[tblVersion](
```

```
[VersionId] [nvarchar](50) NOT NULL,
```

```
[DatabaseName] [nvarchar](50) NULL,
```

```
[UpdateStatus] [nvarchar](10) NULL,
```

```
[LastUpdate] [datetime] NOT NULL DEFAULT (getdate()),
```

```
CONSTRAINT [PK_tblVersion] PRIMARY KEY CLUSTERED
```

```
(
```

```
[VersionId] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
```

```
ALLOW_PAGE_LOCKS = ON, FILLFACTOR = 90) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
IF EXISTS (SELECT * FROM VERSION where VER between '8.1.9.0050' and '8.1.9.1050')
```

```
INSERT INTO tblVersion Values ('1.0.0.0', 'FrontOff', 'Y', getdate())
```

```
ELSE IF EXISTS (SELECT * FROM VERSION where VER like '%8.1.8.1%')
```

```
INSERT INTO tblVersion Values ('0.8.1.8', 'FrontOff', 'Y', getdate())
```

```
END
```

```
END
```

ENCOR

USE ENCOR

```
IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[spRunAfterRestore]') AND  
type in (N'P', N'PC'))
```

```
Begin
```

```
DROP PROCEDURE spRunAfterRestore
```

```
End
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER OFF
```

```
GO
```

```
CREATE PROCEDURE [dbo].[spRunAfterRestore]
```

```
AS /**/
```

```
begin
```

```
    exec sp_changedbowner 'sa'
```

```
    declare @sql nvarchar(1000)
```

```
    set @sql = 'Alter database ' + db_name() + ' set TRUSTWORTHY ON'
```

```
    exec sp_executesql @sql
```

```
    exec sp_configure 'clr enabled', 1
```

```
    RECONFIGURE WITH OVERRIDE
```

```
    EXEC sp_configure 'show advanced options', 1
```

```
    RECONFIGURE
```

```
    IF EXISTS (SELECT * FROM sys.server_principals WHERE name = N'Front')
```

```
    begin
```

```
        /***** Object: User [Front]  Script Date: 12/20/2018 4:57:09 PM *****/
```

```
        IF NOT EXISTS (SELECT * FROM sys.database_principals WHERE name = N'Front')
```

```
        CREATE USER [Front] FOR LOGIN [Front] WITH DEFAULT_SCHEMA=[dbo]
```

```
        exec sys.sp_addrolemember @rolename = N'db_owner', @membername = N'Front'
```

```
    end
```

```
end
```

ENCORService

```
USE ENCORService
```

```
IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[spRunAfterRestore]') AND  
type in (N'P', N'PC'))
```

```
Begin
```

```
DROP PROCEDURE spRunAfterRestore
```

```
End
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER OFF
```

```
GO
```

```
CREATE PROCEDURE [dbo].[spRunAfterRestore]
```

```
AS /**/
```

```
begin
```

```
    exec sp_changedbowner 'sa'
```

```
    declare @sql nvarchar(1000)
```

```
    set @sql = 'Alter database ' + db_name() + ' set TRUSTWORTHY ON'
```

```
    exec sp_executesql @sql
```

```
    exec sp_Configure 'clr enabled', 1
```

```
    RECONFIGURE WITH OVERRIDE
```

```
    EXEC sp_configure 'show advanced options', 1
```

```
    RECONFIGURE
```

```
    IF EXISTS (SELECT * FROM sys.server_principals WHERE name = N'Front')
```

```
    begin
```

```
        /***** Object: User [Front]  Script Date: 12/20/2018 4:57:09 PM *****/
```

```
        IF NOT EXISTS (SELECT * FROM sys.database_principals WHERE name = N'Front')
```

```
        CREATE USER [Front] FOR LOGIN [Front] WITH DEFAULT_SCHEMA=[dbo]
```

```
        exec sys.sp_addrolemember @rolename = N'db_owner', @membername = N'Front'
```

```
    end
```

```
end
```

ENCORTransaction

USE ENCORTransaction

```
IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[spRunAfterRestore]') AND  
type in (N'P', N'PC'))
```

```
Begin
```

```
DROP PROCEDURE spRunAfterRestore
```

```
End
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER OFF
```

```
GO
```

```
CREATE PROCEDURE [dbo].[spRunAfterRestore]
```

```
AS /**/
```

```
begin
```

```
    exec sp_changedbowner 'sa'
```

```
    declare @sql nvarchar(1000)
```

```
    set @sql = 'Alter database ' + db_name() + ' set TRUSTWORTHY ON'
```

```
    exec sp_executesql @sql
```

```
    exec sp_Configure 'clr enabled', 1
```

```
    RECONFIGURE WITH OVERRIDE
```

```
    EXEC sp_configure 'show advanced options', 1
```

```
    RECONFIGURE
```

```
    IF EXISTS (SELECT * FROM sys.server_principals WHERE name = N'Front')
```

```
    begin
```

```
        /***** Object: User [Front]  Script Date: 12/20/2018 4:57:09 PM *****/
```

```
        IF NOT EXISTS (SELECT * FROM sys.database_principals WHERE name = N'Front')
```

```
        CREATE USER [Front] FOR LOGIN [Front] WITH DEFAULT_SCHEMA=[dbo]
```

```
        exec sys.sp_addrolemember @rolename = N'db_owner', @membername = N'Front'
```

```
    end
```

```
end
```