

## How to Assign a Default Policy to Attached PST Files

<https://campus.barracuda.com/doc/46208579/>

This article refers to the Barracuda PST Enterprise version 2.2.0.1242 or higher.

You may want to automatically apply a default policy to PSTs if:

- PSTs are found connected in an Outlook profile; and/or
- PSTs are found not connected to an Outlook profile (files on the file system-only).

To automatically apply a default policy, you can define a database trigger.

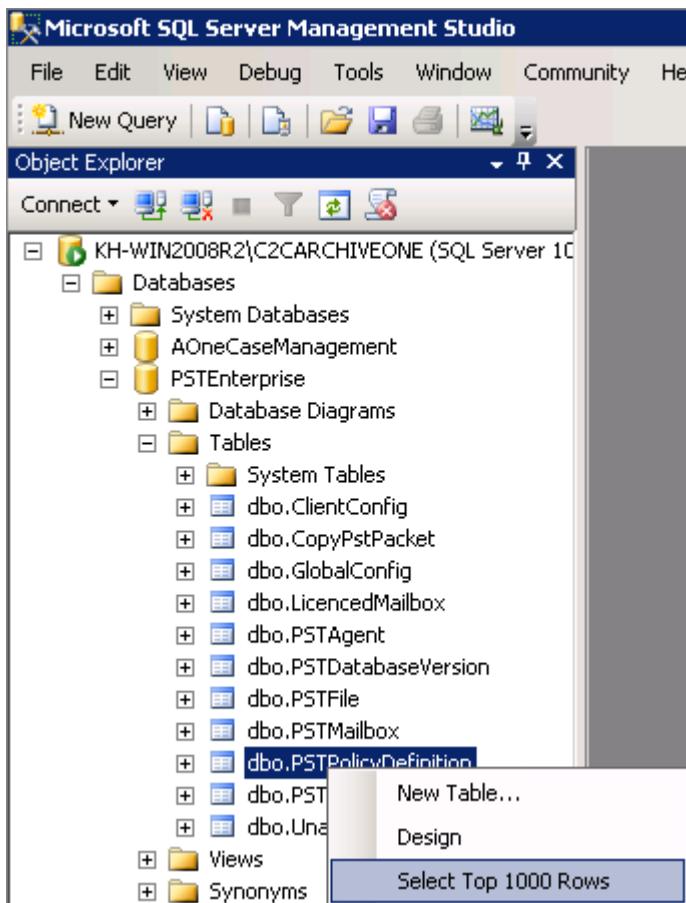
### Define Database Trigger

The steps in this section assume you are familiar with SQL Management Studio and have a good understanding of databases.

A database trigger is a stored procedure that automatically executes when an event occurs in the database server. At a high level, the trigger intercepts the process of the row being inserted into the database table and updates the relevant field with the correct policy ID value.

Use the following steps to add an **INSTEAD OF INSERT** type trigger:

1. Open SQL Management Studio, and connect to the SQL instance, typically (in SQL Express), **PSTENTERPRISE**.
2. Open the PSTEnterprise database hierarchy and browse to **Databases > PSTEnterprise > Tables**.
3. Right-click **dbo.PSTPolicyDefinition**, and click **Select Top 100 Rows**:



4. In the **Results** tab, identify and note the policy **ID** you wish to assign by default:

	ID	Action	Name	Finalise	DateCriteria	FromDate
1	1	Migrate	Migrate all messages	Delete	None	2013-04-
2	2	Migrate	Migrate messages delivered in the last 3 months	None	YoungerThan	1980-01-
3	3	Migrate	Migrate all messages if PST under 1Gb, only in c...	Disconnect	None	1980-01-
4	4	Delete	Delete messages more than 3 years old	None	OlderThan	2009-01-

5. In SQL Management Studio, click **New Query**. Paste the appropriate SQL statement for your PST Enterprise version in the **SQL STATEMENT**.

- SQL Statement, version 2.2.x

```

USE [PSTEnterprise]
GO
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TRIGGER [dbo].[assigndefaultpolicy] ON [dbo].[PSTFile]
INSTEAD OF INSERT
AS BEGIN
    DECLARE @maxid BIGINT;
    DECLARE @policyid BIGINT;
    SET @policyid = 1;
  
```

```
SET @maxid = (SELECT MAX(id) FROM PSTFile);
SET @maxid = @maxid + 1;
SET IDENTITY_INSERT pstfile ON;
INSERT INTO pstfile (
ID
,[Machine]
,[FilePath]
,[Source]
,[Title]
,[ErrorCode]
,[InitialContentSize]
,[ContentSize]
,[DiskSize]
,[Folders]
,[Messages]
,[Attachments]
,[FirstSeen]
,[LastSeen]
,[EarliestMessage]
,[LatestMessage]
,[OwnerName]
,[OwnerDn]
,[ConfidenceFactor]
,[ConfidenceReason]
,[Unicode]
,[CustomerID]
,[LastStatusText]
,[FinaliseStatus]
,[PSTMailbox_id]
,[CurrentPolicy_id]
,[ActionStatus]
,[PSTCopyFilePath]
,[JobId]
,[AdditionalData]
,[LastPacketUpload])
SELECT
@maxid
,[Machine]
,[FilePath]
,[Source]
,[Title]
,[ErrorCode]
,[InitialContentSize]
,[ContentSize]
,[DiskSize]
,[Folders]
```

```
,[Messages]
,[Attachments]
,[FirstSeen]
,[LastSeen]
,[EarliestMessage]
,[LatestMessage]
,[OwnerName]
,[OwnerDn]
,[ConfidenceFactor]
,[ConfidenceReason]
,[Unicode]
,[CustomerID]
,[LastStatusText]
,[FinaliseStatus]
,[PSTMailbox_id]
,[CurrentPolicy_id]
,[ActionStatus]
,[PSTCopyFilePath]
,[JobId]
,[AdditionalData]
,[LastPacketUpload]
FROM inserted;
SET IDENTITY_INSERT pstfile OFF;
UPDATE PSTFile SET CurrentPolicy_id = @policyid, ErrorCode = 0
WHERE ID = @maxid AND [Source] = 'FoundAttached'
SELECT @maxid;
END
```

- SQL Statement, version 2.4:

```
USE [PSTEnterprise]
GO
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TRIGGER [dbo].[assigndefaultpolicy] ON [dbo].[PSTFile]
INSTEAD OF INSERT
AS BEGIN
DECLARE @maxid BIGINT;
DECLARE @policyid BIGINT;
SET @policyid = 1;
SET @maxid = (SELECT MAX(id) FROM PSTFile);
SET @maxid = @maxid + 1;
SET IDENTITY_INSERT pstfile ON;
INSERT INTO pstfile (
ID
,[Machine]
```

```
,[FilePath]
,[Source]
,[Title]
,[ErrorCode]
,[InitialContentSize]
,[ContentSize]
,[InitialDiskSize]
,[DiskSize]
,[Folders]
,[Messages]
,[Attachments]
,[FirstSeen]
,[LastSeen]
,[EarliestMessage]
,[LatestMessage]
,[OwnerName]
,[OwnerDn]
,[ConfidenceFactor]
,[ConfidenceReason]
,[Unicode]
,[CustomerID]
,[LastStatusText]
,[FinaliseStatus]
,[PSTMailbox_id]
,[CurrentPolicy_id]
,[ActionStatus]
,[PSTCopyFilePath]
,[JobId]
,[AdditionalData]
,[LastPacketUpload]
,[NextProcessTime])
SELECT
@maxid
,[Machine]
,[FilePath]
,[Source]
,[Title]
,[ErrorCode]
,[InitialContentSize]
,[ContentSize]
,[InitialDiskSize]
,[DiskSize]
,[Folders]
,[Messages]
,[Attachments]
,[FirstSeen]
```

```
,[LastSeen]
,[EarliestMessage]
,[LatestMessage]
,[OwnerName]
,[OwnerDn]
,[ConfidenceFactor]
,[ConfidenceReason]
,[Unicode]
,[CustomerID]
,[LastStatusText]
,[FinaliseStatus]
,[PSTMailbox_id]
,[CurrentPolicy_id]
,[ActionStatus]
,[PSTCopyFilePath]
,[JobId]
,[AdditionalData]
,[LastPacketUpload]
,[NextProcessTime]
FROM inserted;
SET IDENTITY_INSERT pstfile OFF;
UPDATE PSTFile SET CurrentPolicy_id = @policyid, ErrorCode = 0
WHERE ID = @maxid AND [Source] = 'FoundAttached'
SELECT @maxid;
END

- SQL Statement, version 3.0 and higher:

USE [PSTEnterprise]
GO
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO

CREATE TRIGGER [dbo].[assigndefaultpolicy] ON [dbo].[PSTFile]
INSTEAD OF INSERT
AS BEGIN
DECLARE @maxid BIGINT;
DECLARE @policyid BIGINT;
SET @policyid = 1;
SET @maxid = (SELECT MAX(id) FROM PSTFile);
IF @maxid is null
SET @maxid = 1
ELSE
SET @maxid = @maxid + 1;
SET IDENTITY_INSERT pstfile ON;
INSERT INTO pstfile (
```

**ID**

,**[Machine]**  
,**[FilePath]**  
,**[Source]**  
,**[Title]**  
,**[ErrorCode]**  
,**[InitialContentSize]**  
,**[ContentSize]**  
,**[InitialDiskSize]**  
,**[DiskSize]**  
,**[Folders]**  
,**[Messages]**  
,**[Attachments]**  
,**[FirstSeen]**  
,**[LastSeen]**  
,**[EarliestMessage]**  
,**[LatestMessage]**  
,**[OwnerName]**  
,**[OwnerDn]**  
,**[ConfidenceFactor]**  
,**[ConfidenceReason]**  
,**[Unicode]**  
,**[CustomerID]**  
,**[LastStatusText]**  
,**[FinaliseStatus]**  
,**[ActionStatus]**  
,**[PSTCopyFilePath]**  
,**[JobId]**  
,**[AdditionalData]**  
,**[LastPacketUpload]**  
,**[NextProcessTime]**  
,**[MsgErrCount]**  
,**[MsgErrRetryCount]**  
,**[MsgExceededSizeCount]**  
,**[FoundDuringIteration]**  
,**[NotFoundCount]**  
,**[PSTProcMachine]**  
,**[PreDormantState]**  
,**[OwnerMailboxSMTPEmailAddress]**  
,**[SchedulingStart]**  
,**[SchedulingEnd]**  
,**[PolicyReassigned]**  
,**[PSTMailbox\_id]**  
,**[CurrentPolicy\_id])**

**SELECT**

```
@maxid
,[Machine]
,[FilePath]
,[Source]
,[Title]
,[ErrorCode]
,[InitialContentSize]
,[ContentSize]
,[InitialDiskSize]
,[DiskSize]
,[Folders]
,[Messages]
,[Attachments]
,[FirstSeen]
,[LastSeen]
,[EarliestMessage]
,[LatestMessage]
,[OwnerName]
,[OwnerDn]
,[ConfidenceFactor]
,[ConfidenceReason]
,[Unicode]
,[CustomerID]
,[LastStatusText]
,[FinaliseStatus]
,[ActionStatus]
,[PSTCopyFilePath]
,[JobId]
,[AdditionalData]
,[LastPacketUpload]
,[NextProcessTime]
,[MsgErrCount]
,[MsgErrRetryCount]
,[MsgExceededSizeCount]
,[FoundDuringIteration]
,[NotFoundCount]
,[PSTProcMachine]
,[PreDormantState]
,[OwnerMailboxSMTPEmailAddress]
,[SchedulingStart]
,[SchedulingEnd]
,[PolicyReassigned]
,[PSTMailbox_id]
,[CurrentPolicy_id]
```

**FROM inserted;**

```
SET IDENTITY_INSERT pstfile OFF;
```

```
UPDATE PSTFile SET CurrentPolicy_id = @policyid, ErrorCode = 0  
WHERE ID = @maxid AND [Source] = 'FoundAttached'
```

```
SELECT @maxid;  
END
```

6. Edit the statement as follows:

1. Locate the line **SET @policyid = 1;** and replace the ID number with correct ID value for the Policy you want assigned as default.
  2. Edit the **WHERE** clause in the third line from the bottom to match your requirements of what type of PSTs the default policy applies to. For example,

```
WHERE ID = @maxid AND [Source] = 'FoundAttached'
```

```
***** for just PSTs that are found connected in an Outlook profile *****
```

```
WHERE ID = @maxid AND [Source] <> 'FoundAttached'
```

```
***** for just PSTs that are found not connected in an Outlook profile *****
```

```
WHERE ID = @maxid
```

```
***** for all PSTs regardless of how they are found. *****
```

7. Execute the script.
8. Use some sample PST files to confirm the script is operating as expected.
9. To remove the trigger, execute the following query:

```
USE [PSTEnterprise]  
GO  
DROP TRIGGER [dbo].[assigndefaultpolicy]
```

## Figures

1. trigger01.png
2. trigger02.png

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