

IT Guide - EnviroPoint (Database Mail Configuration)

This Guide is written for the benefit of IT Personnel to illustrate how the EnviroPoint System is integrated into existing infrastructures. This document assumes that the reader is familiar with network and database concepts. The reader should also be familiar in the basic use of MS SQL Server 2005 Management Studio for system administration.

1) Introduction

The EnviroPoint System uses the SQL Server 2005 Database Mail Notification Service. By default this feature is turned off in the SQL Server Configuration. This guide outlines how to activate the Database Mail feature and configure it so the EnviroPoint Service can send alarm messages to responsible personnel via email.

Section 2 describes how to activate the Mail service while sections 3-5 describe the different methods you can use to setup the configuration of the database mail account that will be used to access the SMTP Server.

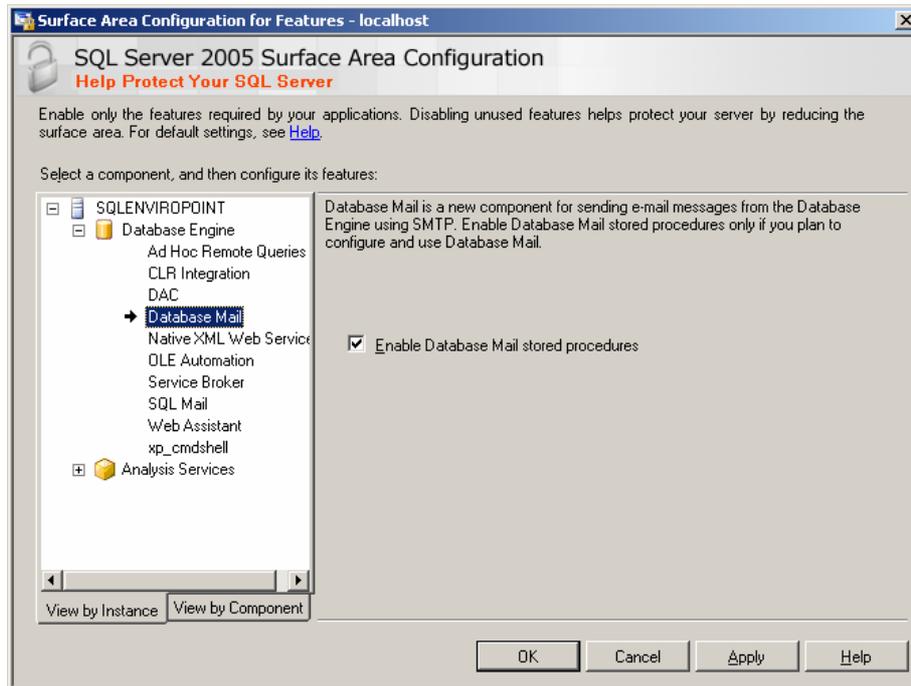
It is recommended that a new email account be setup on your SMTP server specifically for use by the EnviroPoint System.

NOTE: The EnviroPoint Service will never process any incoming messages

2) Activating the Database Mail Service

1. Open the SQL Server 2005 Surface Area Configuration Tool on the database server hosting the EnviroPoint Database.
2. Select 'Surface Area Configuration for Features'





3. Select 'Database Mail' and tick the Enable box.
4. Select OK and close the tool. Your Database Mail Procedures are now activated.

3) Mail Configuration via the Monitor Application

This method of configuring your mail settings uses the Enviropoint Monitor Application to access the necessary procedures in the EnviroPoint Database. To use this method the application's UDL file must have a database login that is a member of the 'sysadmin' server role. Please see the Database Connections and Permissions IT Guide for more information.

1. Open the Enviropoint Monitor Application and Login as an application administrator
2. Select Configure System from the File menu to access the Administrator screen.

The screenshot shows the 'Administrate EnviroPoint Systems (Standard)' application window. The 'File' menu is open, showing options like 'Save', 'Create System', 'System Wizard', 'Export system GreenGateway...', 'Import system GreenGateway...', 'Configure E-mail', 'Configure Unit Plug-Ins', and 'Exit...'. The main window displays the 'System configuration' tab for a system named 'GreenGateway'. The form contains the following fields:

- System name: GreenGateway
- System information / System configuration tabs
- Company name: Nvsi
- Company address: 35 Devlin street, Ryde, NSW 2112
- Country: Australia
- Person Contact Details (1):
 - Contact name: Ralph Dick
 - Telephone number: +612-9809-7899
 - Mobile number: +61-417257258
 - Email address: ralph@nvsi.com.au
- Person Contact Details (2):
 - Contact name: Shirley Chester
 - Telephone number: +612-9809-7899
 - Mobile number: (empty)
 - Email address: shirley@nvsi.com.au

The status bar at the bottom shows the date and time: 10/12/2007 9:03:28 AM.

3. Select Configure Email from the File menu of the Administrator screen
4. In the Dialogue box that appears, enter the details of you SMTP server email settings.



The image shows a 'Configure Email Server' dialog box. It has a title bar with a green icon and a red close button. The dialog contains the following fields and values:

- SMTP Server: 192.168.0.1
- Port: 25
- User Name: Enviropoint
- Password: *****
- Default email Address: enviropoint@nysi.com.au

At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

4) Configure via Stored procedure

As an alternative to using the Enviropoint Monitor application a database server administrator can use SQL Server 2005 Management Studio to execute a stored procedure located in the 'Enviropoint' database. This procedure is called 'Configure_Email_SP'. You must be connected as a member of the 'sysadmin' Server Role to execute this procedure.

Example Code:

```
USE Enviropoint
GO

EXEC [dbo].[ConfigureEmail_SP]
@SMTPUserName = 'account',
@SMTPPassword = 'password',
@SMTPMailServer = 'server ip address',
@EmailAddress = 'account@domain.xxx',
@mailport = SMTPportnumber;
```

5) Manual Configuration

If your company has a standard procedure for configuring database email profiles or you feel comfortable using the MS Database Mail Configuration Wizard or the stored procedures in the msdb database then you can configure the EnviroPoint mail settings manually. The example code below gives an outline of what values are required for the Enviropoint Service to locate the correct mail profile for sending emails.

In brief the requirements are:

1. Account Name = 'Enviropoint'
2. Profile Name = 'Enviropoint Profile'
3. The Enviropoint account must be the default for the Enviropoint Profile
4. The profile must be public.

Example Code:

```
EXECUTE msdb.dbo.sysmail_add_account_sp
    @account_name = 'Enviropoint',
    @description = 'Enviropoint Mail Account',
    @email_address = @EmailAddress,
    @replyto_address = @EmailAddress,
    @display_name = 'EnviroPoint',
    @username= @SMTPUserName,
    @password= @SMTPPassword,
    @mailserver_name = @SMTPMailServer,
    @port = @mailport

EXECUTE msdb.dbo.sysmail_add_profile_sp

    @profile_name = 'EnviropointProfile',
    @description = 'Enviropoint Email Profile'

EXECUTE msdb.dbo.sysmail_add_profileaccount_sp

    @profile_name = 'EnviropointProfile',
    @account_name = 'Enviropoint',

EXECUTE msdb.dbo.sysmail_add_principalprofile_sp
    @profile_name = 'EnviropointProfile',
    @principal_name = 'public',
    @is_default = 1 ;
```