



How to setup an email disclaimer for Microsoft Small Business Server.

Many companies require the configuration of an email disclaimer for all outgoing messages. The disclaimer usually explains that if the email doesn't reach its intended recipient, it should be discarded. Users add this disclaimer to their auto signature with outlook, but sometimes that's not enough to ensure that all outgoing messages are compliant. An alternative to this is to add a disclaimer through the use of one of the Exchange server anti-virus / anti-spam products that have disclaimer functionality. Microsoft also provided the option of using SMTP event sinks. These are functions that run in the SMTP server layer and stamp every outgoing email with a pre-defined disclaimer. The benefit of the event sinks is that they automate the process and they are free.

Unfortunately the event sink functionality has a limitation. It does not work with Small Business Server or single Exchange server environments. This is due to a design issue explained by Microsoft in article 273233. Following we describe step by step how to bypass this limitation and set up the disclaimer without any cost therefore avoiding having to purchase third party product and tools.

Solution Overview

To resolve the problem, we will create and configure a second SMTP virtual server and route all messages from the first SMTP virtual server to the second virtual server. Then we will register the event sink on the second SMTP virtual server. This ensures that when the Event Sink runs, the message gets stamped with the disclaimer.

In detail in the following steps we will create a second SMTP virtual server, which listens on TCP port 26 and sends on TCP port 25. The default SMTP virtual server now listens on port 25 and sends externally on TCP port 26, which is being monitored by the second SMTP virtual server. In essence, any mail that comes through should come in to your default SMTP virtual server.

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If the mail is to be delivered internally, it is delivered by the default SMTP virtual server and is not passed on to the second SMTP virtual server. If the mail needs to be delivered externally, the default SMTP virtual server passes it to the second SMTP virtual server.

Detailed Steps for the SMTP Server Configuration

1. Open the Exchange System Manager and browse to the SMTP folder. This folder should be located at First Administrative Group/Servers/Server Name/Protocols/SMTP.
2. Right-click the folder, click New , and then click SMTP Virtual Server .
3. Type "Disclaimer SMTP Server" as a name for the server, then click Next . For the IP address, select the IP address of the server and then click Finish . A dialog box warns you that the server will not start because of conflicting IP addresses and ports. You can ignore this warning. Click Yes to continue.
4. Right-click each SMTP virtual server and click Stop.
5. Right-click the default SMTP virtual server and click Properties.
6. On the Delivery tab, click Advanced . In the text box for Smart Host, type the IP Address of the server in brackets, for example [192.168.20.20], and then click OK . On the Delivery tab, click Outbound connections . In the TCP port text box, type 26 , and then click OK . Click OK to close this dialog box.
7. Right-click the "Disclaimer SMTP Server" that you created and click Properties . On the General tab, click Advanced and select All Unassigned . Click Edit , change the TCP port to 26, and then click OK . Click OK again.
8. Click on the Access Tab of the Disclaimer SMTP Server and select Relay. Add the IP address of the server in the relay list as an allowed host and then click OK . Click OK to close this dialog box.
9. Right-click each SMTP virtual server and click Start .
10. Register the event on the second SMTP virtual server (details provided in the following pages).



Detailed Steps for the Creation of the Event Sink

To create an event sink, paste the following code in a new file and save it as EventSinkScript.vbs.

```
<SCRIPT LANGUAGE="VBScript">
Sub ISMTPOnArrival_OnArrival(ByVal Msg, EventStatus)
    TextDisclaimer = vbCrLf & "DISCLAIMER:" & vbCrLf & "Add your Disclaimer text here"
    HTMLDisclaimer = "<p></p><p>DISCLAIMER: <br>Add your Disclaimer text here"
    If Msg.HTMLBody <> "" Then
        'Search for the "</body>" tag and insert our disclaimer before that tag.
        pos = InStr(1, Msg.HTMLBody, "</body>", vbTextCompare)
        szPartI = Left(Msg.HTMLBody, pos - 1)
        szPartII = Right(Msg.HTMLBody, Len(Msg.HTMLBody) - (pos - 1))
        Msg.HTMLBody = szPartI + HTMLDisclaimer + szPartII
    End If
    If Msg.TextBody <> "" Then
        Msg.TextBody = Msg.TextBody & vbCrLf & TextDisclaimer & vbCrLf
    End If
    Msg.DataSource.Save
    EventStatus = cdoRunNextSink
End Sub
</SCRIPT>
```

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Detailed Steps for the Registration of the Event Sink

To register your event sink, use the Smtpreg.vbs file, which is installed with the Exchange SDK (if you don't have the SDK you can copy the Smtpreg.vbs from the MSDN website—link provided below). From a command prompt, browse to the ...\\Exchange SDK\\SDK\\Support\\CDO\\Scripts folder and type the following (make sure that the path to EventSinkScript.vbs is correct):

```
cscript smtpreg.vbs /add 2 onarrival SMTPScriptingHost CDO.SS_SMTPOnArrivalSink "mail from=*" 
```

```
cscript smtpreg.vbs /setprop 2 onarrival SMTPScriptingHost Sink ScriptName "C:\\EventSinkScript.vbs" 
```

If the command succeeds, you receive a success message generated by the script.

To unregister this event, type the following:

```
cscript smtpreg.vbs /remove 2 OnArrival SMTPScriptingHost 
```

References

<http://support.microsoft.com/kb/317680>

<http://support.microsoft.com/kb/273233>

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/smtpevt/html/6b7a017e-981e-45a1-8690-17ff26682bc7.asp> (MSDN source for the Smtpreg.vbs script)

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