



## Exclaimer Mail Archiver

### Deployment Guide - Exclaimer Mail Archiver Outlook Add-In

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# About This Guide

The [Exclaimer Mail Archiver Outlook Add-In](#) allows users to easily search, view and restore messages from your email archive using [Microsoft Outlook](#).

This guide details information that you will need to install and configure the Add-In, including system requirements and download instructions.

# System Requirements

System requirements for hardware and software are summarized in the following sections.

## Software

Item	Minimum Requirements
Operating Systems	Windows XP x86 SP3 Windows Vista x86 and x64 (including all service pack levels) Windows 7 x86 and x64 (including all service pack levels) Windows 8 x86 and x64 Windows 8.1 x86 and x64 Windows 10 x86 and x64
Microsoft .NET Framework	Microsoft .Net Framework 3.5
Microsoft Outlook	Outlook 2007 SP3 with <a href="#">Visual Studio Tools for Office Run-Time 2010</a> Outlook 2010 x86 and x64 (including all service pack levels) Outlook 2013 x86 and x64 Outlook 2016 x86 and x64

# Installation Files

The [Exclaimer Mail Archiver Outlook Add-In](#) has two installers:

- [MailArchiverOutlookAddIn64.msi](#) (for 64-bit computers)
- [MailArchiverOutlookAddIn32.msi](#) (for 32-bit computers)

These files are included as part of the main [Exclaimer Mail Archiver](#) installation and can be found in the [Exclaimer Mail Archiver](#) folder (the default folder is [c:\program files\exclaimer ltd\mail archiver](#)).

Copy these files to a network share that can be accessed by all required computers within your organization.

**NOTE**

If you are installing the software on a **64-bit** operating system that has a **32-bit** version of Microsoft Outlook, you should use the **MailArchiverOutlookAddIn64.msi** package.

# Deployment Preparation

To deploy the [Exclaimer Mail Archiver Outlook Add-In](#) you must have first installed and configured [Exclaimer Mail Archiver](#).

To use features such as viewing and restoring messages, you must have completed the following tasks within [Exclaimer Mail Archiver](#) (i.e. on the [Exclaimer Mail Archiver](#) server):

- Run the [Exchange Mailbox Access Account Wizard](#). Please refer to the *Mail Archiver Settings* section of the User Guide for [Exclaimer Mail Archiver](#)
- Set the [Enable Restore To Mailbox](#) option to ‘enabled’ in [Mail Archiver Settings](#). Please refer to the *Mail Archiver Settings* section of the User Guide for [Exclaimer Mail Archiver](#)

Once these tasks have been completed, you can install the Add-In [manually \[pg.7\]](#), or by using a [Group Policy \[pg.8\]](#).

# Installing the Add-In Manually

To install the [Exclaimer Mail Archiver Outlook Add-In](#) manually, perform the following steps on each required computer (you will require local administrator rights to complete the installation).

1. Click [Start](#) and then [Run](#).
2. Type [cmd](#) and then click [OK](#).
3. Change into the directory where MSI files were copied (see the [Installation Files](#) section [\[pg.5\]](#)).
4. For 64-bit systems, run the MSI package by entering the following command:

```
msiexec /i MailArchiverOutlookAddIn64.msi MAWEBSITEURL=http://servername:port
```

-or-

For 32-bit systems: Run the MSI package by entering the following command:

```
msiexec /i MailArchiverOutlookAddIn32.msi MAWEBSITEURL=http://servername:port
```

**NOTE**

The parameter “**MAWEBSITEURL**” is case-sensitive. Replace **servername:port** with the server name and port of the web-site used for Exclaimer Mail Archiver. The default port used is **53444**.

# Installing the Add-In Using Group Policy

In a typical [Active Directory](#) environment, deployment through [Group Policy](#) is the fastest way to install the [Exclaimer Mail Archiver Outlook Add-In](#) without needing to manually install the software on each computer within your organization. To do this, complete steps detailed in the following sections:

- [Generate an MST File for Your Environment \[pg.9\]](#)
- [Build a WMI Filter for x86 Computers \[pg.11\]](#)
- [Build a WMI Filter for x64 Computers \[pg.13\]](#)
- [Create a Group Policy for x86 Computers \[pg.15\]](#)
- [Create a Group Policy for x64 Computers \[pg.18\]](#)

Having completed these steps, the [Group Policy](#) is built and deployed to all computers within your organization. The [Exclaimer Mail Archiver Outlook Add-In](#) will be installed automatically when the [Group Policy](#) is applied (by default every 90 minutes) and the computer is next rebooted. However, if required you can [force the update to take effect immediately \[pg.20\]](#) on a computer.

**NOTE**

To perform these steps you will need access to the **Group Policy Editor** and **Orca**. **Orca** is freely available from **Microsoft** as part of the **Windows SDK**.

# Generate an MST File for Your Environment

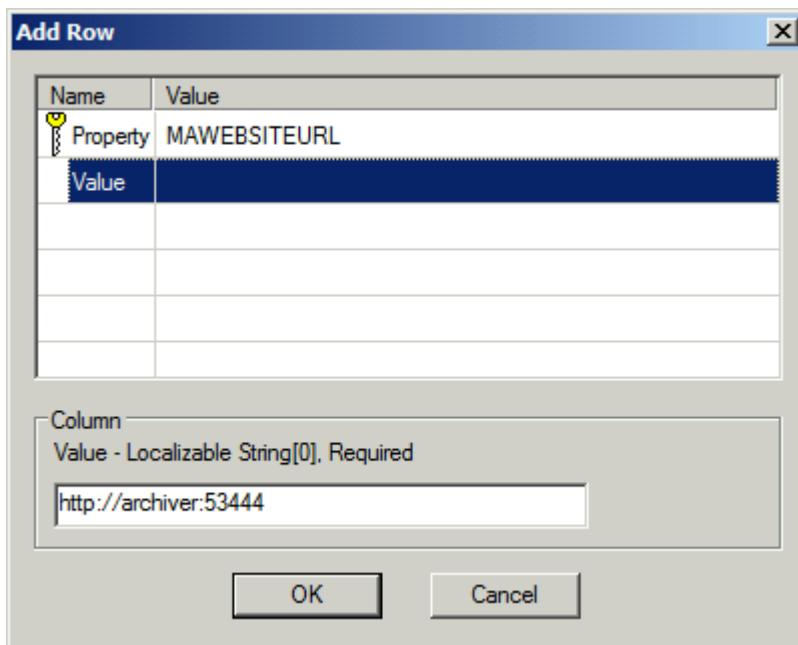
In order to install the Add-in you must provide a parameter which specifies the Archiver webserver URL and its associated port number. When installing the MSI manually this is done as a parameter on the command line. When deploying via Group Policy this parameter can only be specified inside an associated MST file.

The process below creates this MST file. By using it with the MSI file, Group Policy will automatically and silently install and configure the Outlook Add-In ready for use on computers in your organization.

1. Ensure that [MailArchiverOutlookAddIn32.MSI](#) and [MailArchiverOutlookAddIn64.MSI](#) files have been copied to a shared network location that is accessible by all computers within your organization.
2. Click **Start > All Programs > Orca**.
3. Click **File > Open**.
4. Open [MailArchiverOutlookAddIn32.MSI](#).
5. Click **Transform > New Transform**.
6. From the list of **Tables** on the left, click **Property**. A list of properties is displayed in the left-hand pane:

Tables	Property	Value
AdminExecuteSequence	UpgradeCode	{520E1AD0-B6CB-415D-9DFC-9E39881D9C20}
AdminUISequence	ALLUSERS	1
AdvExecuteSequence	APPPRODUCTICON	Product.ico
AppSearch	Manufacturer	Exclaimer Ltd
Binary	ProductCode	{E6CC191D-D0B6-41B2-A966-DECSFAD5EB72}
Certificate	ProductLanguage	1033
CertificateHash	ProductName	Exclaimer Mail Archiver Outlook Add-In
Component	ProductVersion	3.3.60417.6
CustomAction	SecureCustomProperties	MAWEBSITEURL;NETFRAMEWORK35_SP_LEVEL;WIX_DOWNGRADE_DETECTED;WIX_UPGRADE_DETECTED
Directory	MsHiddenProperties	AddMachineCertificate;AddUserCertificate;DeleteMachineCertificate;DeleteUserCertificate;RollbackAddMachineCertificate;RollbackAddUserCertificate;Rollback...
Feature	WixPdbPath	s:\b\1\Mail Archiver\1\Mail_Archiver_1_Development_OutlookAddInOnly32\Binaries\en-us\MailArchiverOutlookAddIn32.wixpdb
FeatureComponents		
File		
Icon		
InstallExecuteSequence		
InstallUISequence		
LaunchCondition		
Media		
MsFileHash		
Property		
RegLocator		
Registry		
Signature		
Upgrade		
WinRestartResource		
_Validation		

7. Right-click under the list of properties and choose **Add Row**. The **Add Row** dialog is displayed - from here:
  - a. Enter the **Property** as **MAWEBSITEURL** (this is case sensitive).
  - b. Enter the **Value** as **http://servername:port**. Replace **servername:port** with the server name and port of the web-site that is used for **Exclaimer Mail Archiver**. The default port used is **53444**:



- c. Click **OK** to close the **Add Row** dialog.
- d. Click **Transform > Generate Transform...** to display the **Save Transform As** dialog. Save the **MST** file to the same location as the **MSI** files that you copied in [step 1 \[pg.9\]](#).
- e. Click **File > Exit** to close **Orca**.

**NOTE**

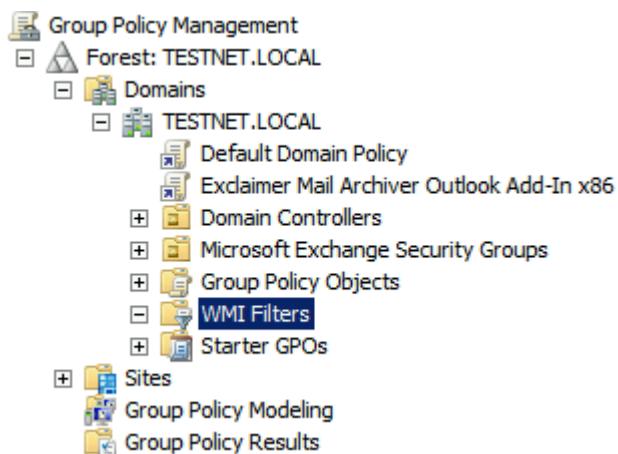
The same MST file is used for both 32 and 64 bit installers.

# Build a WMI Filter for x86 Computers

This section only applies if you are deploying the Add-In to a mixture of 32-bit and 64-bit computers and is required for the group policy to identify the correct version of the Add-In for each computer.

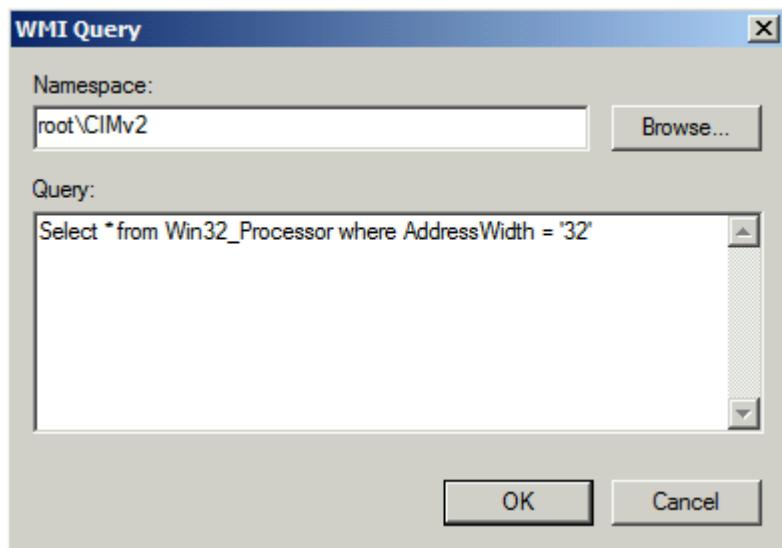
The steps below are required to identify the **32-bit** computers in your organization and ensures the correct 32-bit Add-In is installed on them.

1. Click [Start > Administrative Tools > Group Policy Management](#)
2. Expand the tree and select **WMI Filters**:

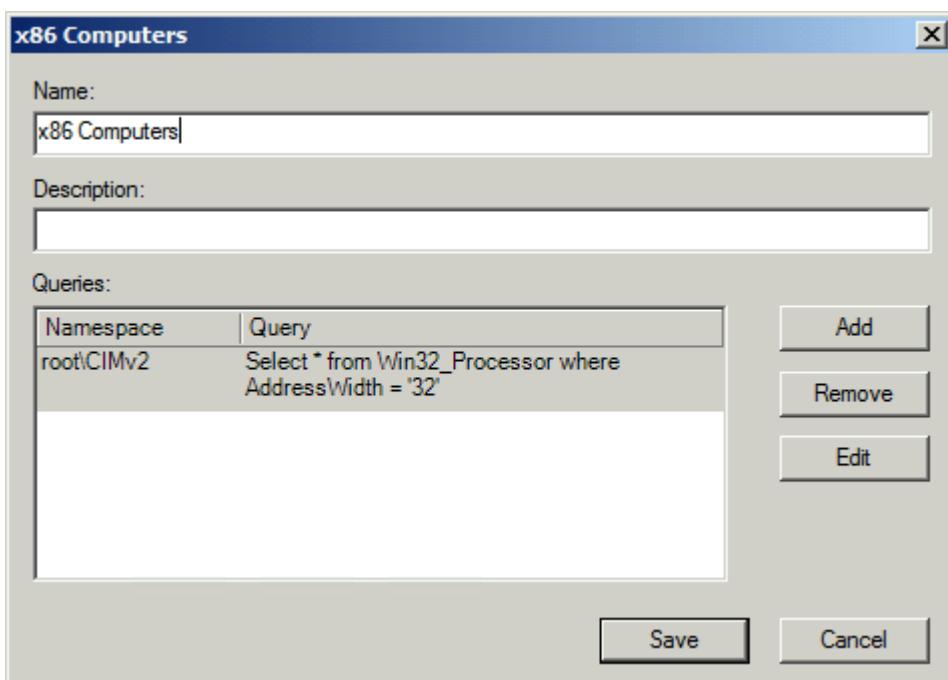


3. In the [Contents](#) pane on the right-hand side, right-click and select [New...](#) to display the [New WMI Filter](#) dialog. From here:
  - a. Enter the [Name](#) as **x86 Computers**.
  - b. If required, enter a description for this filter.
  - c. Click [Add](#) to display the [WMI Query](#) dialog.
  - d. Ensure that the [Namespace](#) is **root\CLIMv2**.

- e. Enter the [Query](#) as: `Select * from Win32_Processor where AddressWidth = '32'`.  
This is shown below:



- f. Click [OK](#) to close the [WMI Query](#) dialog.  
g. Click [Save](#) to close the [New WMI Filter](#) dialog:

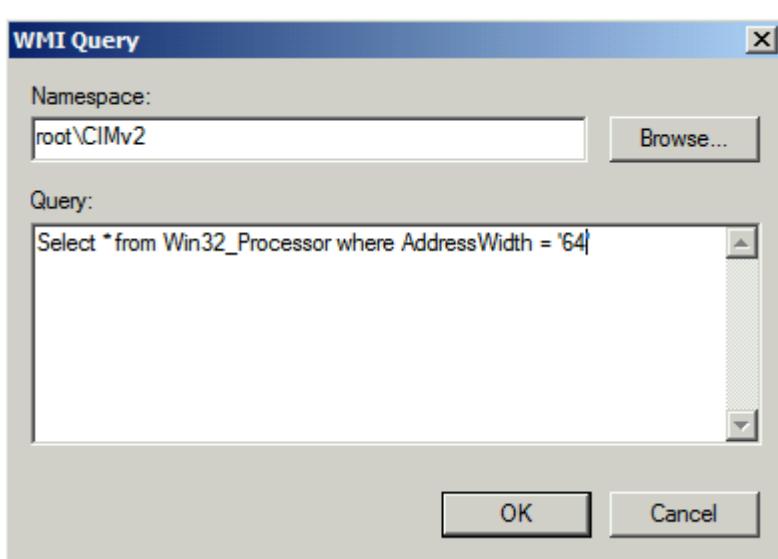


# Build a WMI Filter for x64 Computers

This section only applies if you are deploying the Add-In to a mixture of 32-bit and 64-bit computers and is required for the group policy to identify the correct version of the Add-In for each computer.

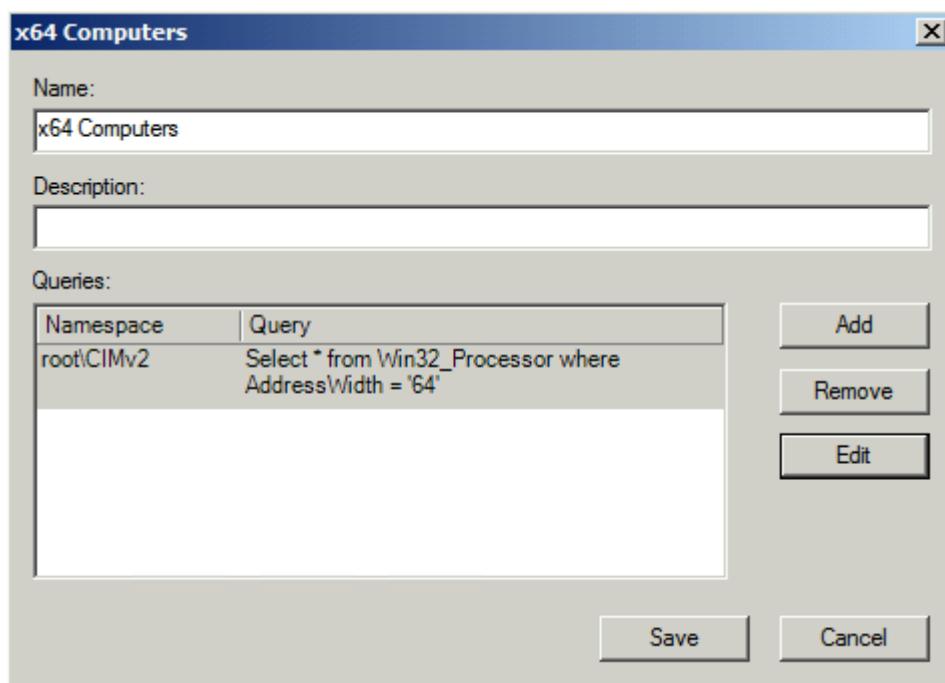
The steps below are required to identify the **64-bit** computers in your organization and ensures the correct 64-bit Add-In is installed on them.

1. Access the [WMI Filters](#) branch of the [Group Policy Management](#) tree (click **Start > Administrative Tools > Group Policy Management** if you are not already working within this tree).
2. In the [Contents](#) pane on the right-hand side, right-click and select [New...](#) to display the [New WMI Filter](#) dialog. From here:
  - a. Enter the [Name](#) as **x64 Computers**.
  - b. If required, enter a description for this filter.
  - c. Click [Add](#) to display the [WMI Query](#) dialog.
  - d. Ensure that the [Namespace](#) is **root\CIMv2**.
  - e. Enter the [Query](#) as: **Select \* from Win32\_Processor where AddressWidth = '64'**.  
This is shown below:



- f. Click [OK](#) to close the [WMI Query](#) dialog.

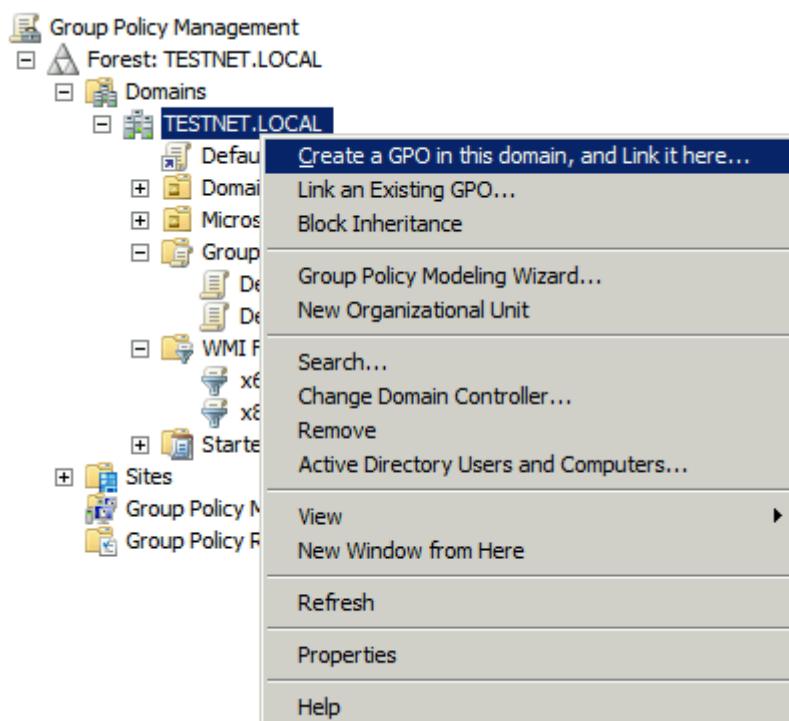
- g. Click **Save** to close the New WMI Filter dialog:



# Create a Group Policy for x86 Computers

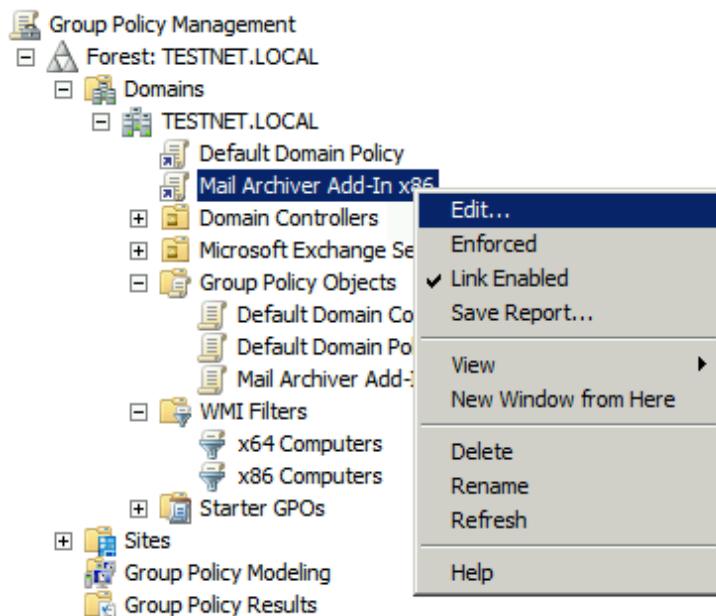
These steps are required if you have **32-bit** computers in your organization. This step links the filter for 32-bit computers you created earlier with the 32-bit MSI file.

1. From the left-hand side of the [Group Policy Management](#) tree, right-click your domain branch (click [Start > Administrative Tools > Group Policy Management](#) if you are not already working within this tree).
2. Select [Create a GPO in this domain, and Link it here...](#) as shown below:



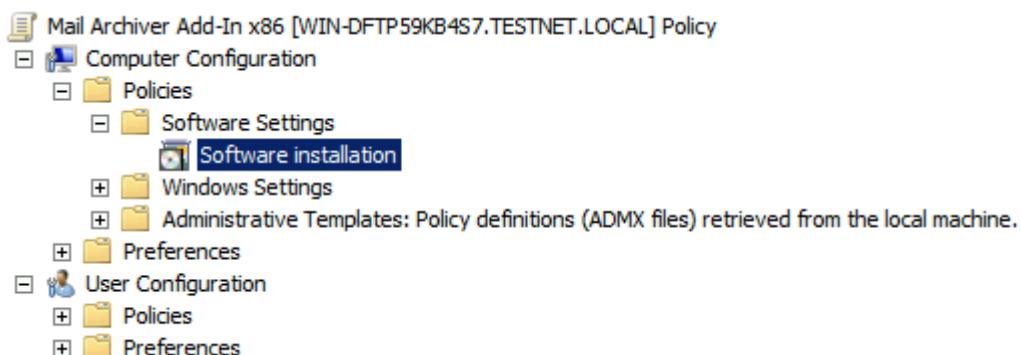
3. The [New GPO](#) dialog is displayed. From here:
  - a. Enter the name as [Mail Archiver Add-In x86](#).
  - b. Click [OK](#).

4. A new Group Policy Object named **Mail Archiver Add-In x86** is now shown in the tree on the left-hand side. Right-click this object and select **Edit...** as shown below:



5. From here:

- The **Group Policy Management Editor** window is displayed.
- From the tree on the left-hand side, expand the **Mail Archiver Add-in x86** branch and then drill down to **Computer Configuration > Policies > Software Settings** and select **Software installation**:



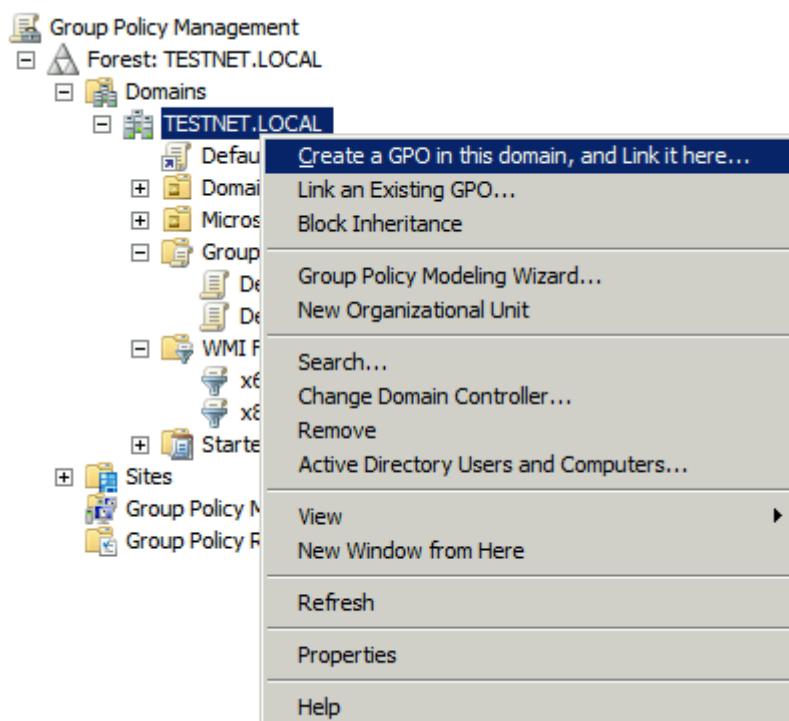
- In the pane on the right-hand side, right-click and select **New > Package...** to display the **Open** dialog.
- Navigate to the network share where you placed the MSI files (see the [Installation Files](#) section [pg.5]) and double-click **MailArchiverOutlookAddIn32.msi**. The **Deploy Software** dialog is displayed.
- Choose **Advanced** and click **OK**. After a few seconds the **Exclaimer Mail Archiver Outlook Add-In Properties** dialog is displayed. From here:
  - Select the **Modifications** tab.

- ii. Click [Add](#).
  - iii. Navigate to the directory where the MSI files are located and double-click the MST file you created in earlier (see page 9).
  - iv. Click [OK](#) to close the [Exclaimer Mail Archiver Outlook Add-In Properties dialog](#).
- f. Close the [Group Policy Management Editor](#).

# Create a Group Policy for x64 Computers

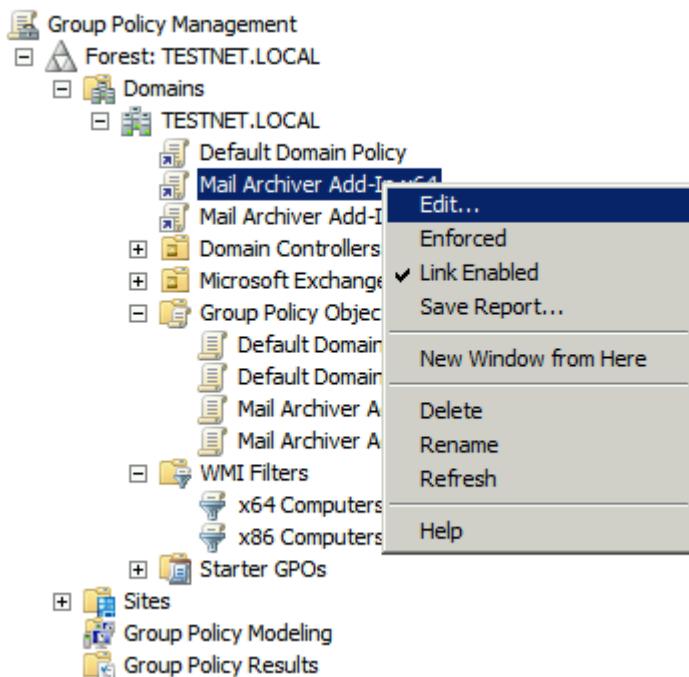
These steps are required if you have **64-bit** computers in your organization. This step links the filter for 64-bit computers you created earlier with the 64-bit MSI file.

1. From the left-hand side of the [Group Policy Management](#) tree, right-click your domain branch (click [Start > Administrative Tools > Group Policy Management](#) if you are not already working within this tree).
2. Select [Create a GPO in this domain, and Link it here...](#) as shown below:



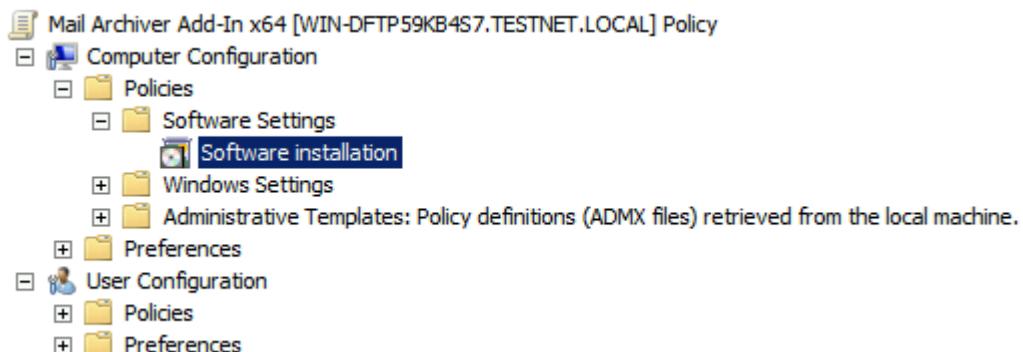
3. The [New GPO](#) dialog is displayed. From here:
  - a. Enter the name as [Mail Archiver Add-In x64](#).
  - b. Click [OK](#).

4. A new Group Policy Object named **Mail Archiver Add-In x64** is now shown in the tree on the left-hand side. Right-click this object and select **Edit...** as shown below:



5. From here:

- The **Group Policy Management Editor** window is displayed.
- From the tree on the left-hand side, expand the **Mail Archiver Add-in x64** branch and then drill down to **Computer Configuration > Policies > Software Settings** and select **Software installation**:



- In the pane on the right-hand side, right-click and select **New > Package...** to display the **Open** dialog.
- Navigate to the network share where you placed the MSI files (see the [Installation Files](#) section [\[pg.5\]](#)) and double-click **MailArchiverOutlookAddIn64.msi**. The **Deploy Software** dialog is displayed.

- e. Choose **Advanced** and click **OK**. After a few seconds the **Exclaimer Mail Archiver Outlook Add-In Properties** dialog is displayed. From here:
  - i. Select the **Modifications** tab.
  - ii. Click **Add**.
  - iii. Navigate to the directory where the MSI files are located and double-click the MST file you created in earlier (see page 9).
  - iv. Click **OK** to close the **Exclaimer Mail Archiver Outlook Add-In Properties** dialog.
- f. Close the **Group Policy Management Editor**.

## Applying the Group Policy

The **Group Policy** is now built and deployed to all computers within your organization. The software will be installed automatically when the **Group Policy** is applied (by default every 90 minutes) and the computer is next rebooted.

If you wish to force the update to take effect immediately on a particular computer, follow the steps below:

1. Click **Start** and then **Run**.
2. Enter **gpupdate /force** and then click **OK**.
3. You will be prompted to restart the computer. Enter **Y** (Yes) and the computer restarts. The **Exclaimer Mail Archiver Outlook Add-In** is installed when the computer restarts.

# Additional Information

## Allowing Users to Change the Mail Archiver Add-in Username

When a user logs in to the Mail Archiver add-in using Outlook, their username is set to the primary email address of the default mail account in their Outlook profile. By default, they are unable to change the username.

However, if users have multiple email accounts, or need to use a different username, you can add a registry setting to allow the users to change the username manually. To achieve this, follow the steps below on each client computer.

**NOTE**

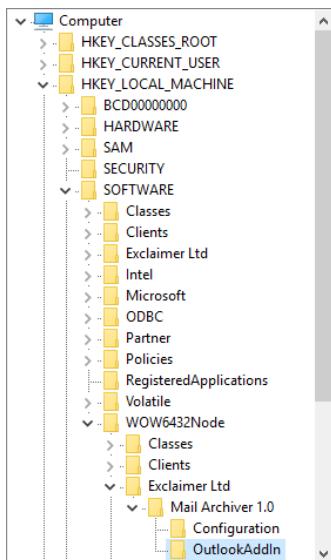
These instructions involve making a change to the **Windows Registry**. We strongly advise that you complete a backup of the **Windows Registry** before following these steps.

1. Click [Start](#) and then [Run](#).
2. Enter [regedit](#) and click [OK](#) to open the [Registry Editor](#).
3. Expand the tree in the left-hand pane and navigate to the appropriate path below:

*For 64-bit Windows with 32-bit Outlook:*

[HKEY\\_LOCAL\\_MACHINE\Software\Wow6432Node\Exclaimer Ltd\Mail Archiver 1.0\OutlookAddIn](#)

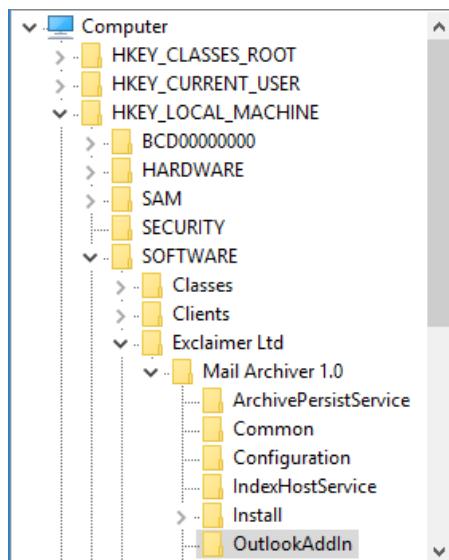
For example:



*For 32-bit Windows, or 64-bit Outlook:*

HKEY\_LOCAL\_MACHINE\Software\Exclaimer Ltd\Mail Archiver 1.0\OutlookAddIn

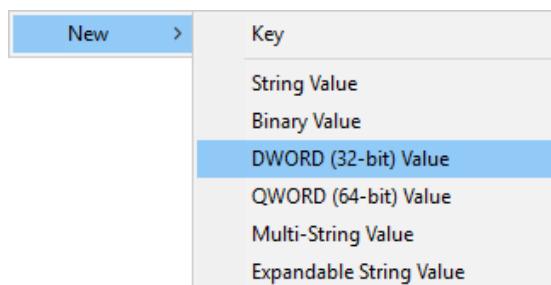
For example:



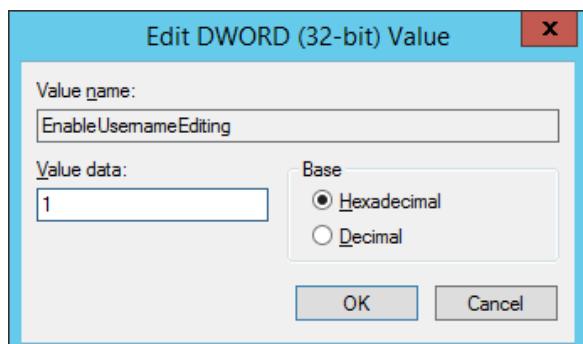
**NOTE**

If the required path does not exist, you should create it.

4. In the right-hand pane, right-click and select **New > DWORD (32-bit) Value**:

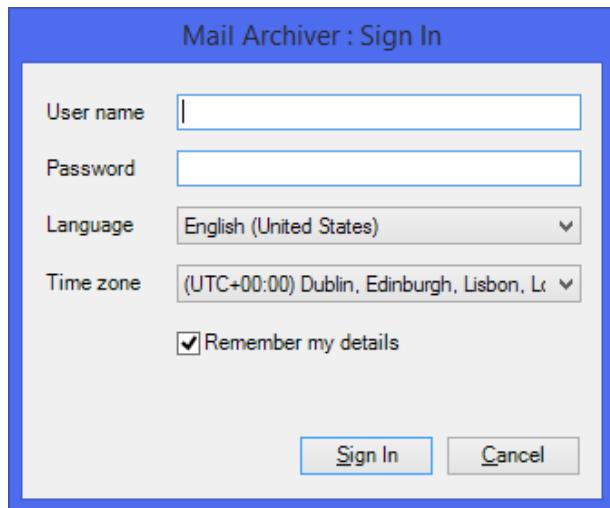


5. Enter the name as **EnableUsernameEditing**.
6. Double-click the property to change its value and set the value to **1**:



7. Click **OK** to close the **Edit DWORD (32-bit) Value** dialog.

8. Click [File](#) and then [Exit](#) to close the [Registry Editor](#).
9. Restart [Microsoft Outlook](#).
10. Go to the Mail Archiver add-in in Outlook, and click [Sign Out](#).
11. Click [Search](#) and the login prompt is displayed. The user can now enter a different username:



# Allowing Users to Change the Mail Archiver URL

By default, when a user selects the [Settings](#) button from the [Exclaimer Mail Archiver Outlook Add-In](#), they are unable to enter a custom URL - it is fixed to the URL used when the Add-In was installed. However, if you have multiple [Mail Archiver](#) servers, you may wish to allow users to change the URL manually. To achieve this, follow the steps below on each client computer (these steps apply to the logged on user only).

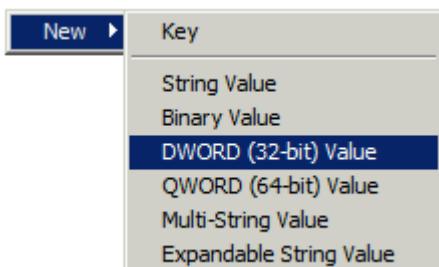
**NOTE**

These instructions involve making a change to the **Windows Registry**. We strongly advise that you complete a backup of the **Windows Registry** before following these steps.

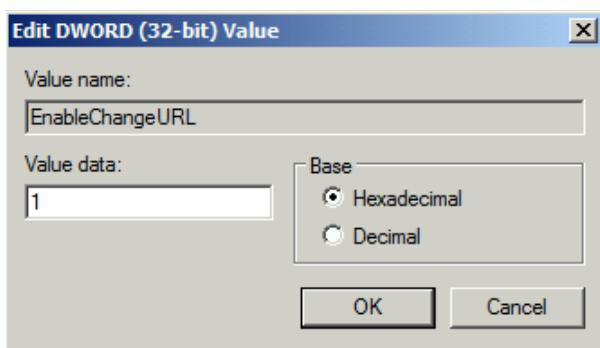
1. Click [Start](#) and then [Run](#).
2. Enter `regedit` and click [OK](#) to open the [Registry Editor](#).
3. Expand the tree in the left-hand pane to the path:

`HKEY_CURRENT_USER\Software\Exclaimer Ltd\Mail Archiver 1.0\OutlookAddIn`

4. In the right-hand pane, right-click and select [New > DWORD \(32-bit\) Value](#):

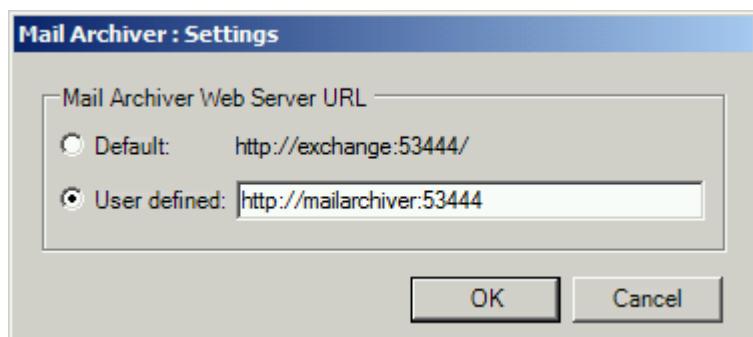


5. Enter the name as [EnableChangeURL](#).
6. Double-click the property to change its value and set the value to [1](#):



7. Click [OK](#) to close the [Edit DWORD \(32-bit\) Value](#) dialog.
8. Click [File](#) and then [Exit](#) to close the [Registry Editor](#).
9. Restart Microsoft Outlook.

10. Click the **Settings** button from the **Mail Archiver** area. The user can now change the URL:



## Upgrading

Upgrading can be achieved by deploying a newer version of the MSI.

You do not need to uninstall the current version of the [Exclaimer Mail Archiver Outlook Add-In](#) to install a newer version - the newer version will automatically uninstall the older version during the installation process.

## If the Mail Archiver Name Changes

If the name of your [Mail Archiver](#) server changes (for example, if you replace the physical server) then you simply need to re-deploy the same MSI with the new address. This will update the address on the client computers in your organization.

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