

SDK

DOMINION WEB DESIGN

<http://www.dominion-web.com>

DWmail Notifier

Software Development Kit

DWMAIL NOTIFIER

SOFTWARE DEVELOPMENT KIT

SDK Version 1.1 – Notifier Version 2.1

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Introduction

What is the DWmail Notifier

DWmail™ Notifier is a Windows application that alerts you when you have new messages in your DWmail inbox. From the Notifier you can also browse the last 25 messages. It displays an icon in your system tray and shows you subjects, who the message is from and the size, all without the need to open your Web browser.

What is the Software Development Kit (SDK)

This SDK is available for registered clients of DWmail who wish to customise the default settings and re-bundle DWmail Notifier for their own DWmail installation.

How to get the SDK

Only existing license holders of DWmail can download and use the SDK. This is available for download from the Dominion Web Client Download area at <http://downloads.dominion-web.com/>

Requirements for the SDK

The DWmail Notifier SDK has the following requirements:

- Microsoft Visual Studio 2008 (The SDK may work with 2005 but has not been tested with this version)
- .NET Framework 2.0

Using the SDK

Opening the SDK

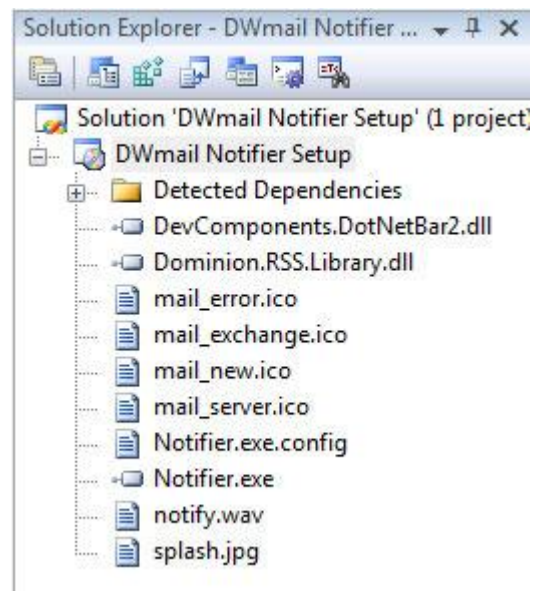
Once you have downloaded the SDK from the Dominion Web download area, double click on the executable Notifier SDK.exe file.

This is a self extracting ZIP file. It is recommended you select your Visual Studio Projects folder as the path to unzip the SDK to.

Once you have unzipped the SDK navigate to your Visual Studio Projects Folder. This is you usually in your Documents folder under 'Visual Studio 2008\Projects'. A folder called Notifier SDK will have been created containing the DWmail Notifier SDK project solution.

Navigate to the Notifier SDK folder and double click on the 'DWmail Notifier Setup SDK.sln' solution file. This will open Visual Studio 2008 with the SDK loaded.

The Solution Explorer will show one open setup project called 'DWmail Notifier Setup'.



Customising the Client Name

When the Notifier is loaded the application name is displayed in the system tray, preferences window and context menu. This can be changed using the SDK by editing the file 'Notifier.exe.config'.

Right click on this file and select 'Open' in the Solution Explorer

Find the section entitled:

```
<setting name="AppName" serializeAs="String">
  <value>DWmail Notifier</value>
</setting>
```

Edit the text within the <value> and </value> tags to reflect the name you wish to use for the Notifier. Note this will **not** change the application name under Context Menu -> About dialog.

Customising the About Dialog

Notifier's about dialog can have a custom paragraph of text displayed at the bottom of the screen. When a user clicks on this paragraph it can link to a URL of your choice. This can be set using the SDK by editing the file 'Notifier.exe.config'.

Right click on this file and select 'Open' in the Solution Explorer

Find the section entitled:

```
<setting name="SDKLink" serializeAs="String">
  <value />
</setting>
<setting name="SDKLinkText" serializeAs="String">
  <value />
</setting>
```

Change <value /> to <value>Your Custom Text</value> to reflect the URL and the paragraph you wish to use. Make sure this text is XML compliant.

Changing the Splash Screen

When the Notifier loads, a splash screen is displayed. A file called splash.jpg can be modified to replace the default splash screen. Simply open this file with your favourite image editing tool, edit and save.



Please note that the dimensions are fixed and if splash.jpg is not present, the default splash screen will be used.

Editing the Setup Project Name

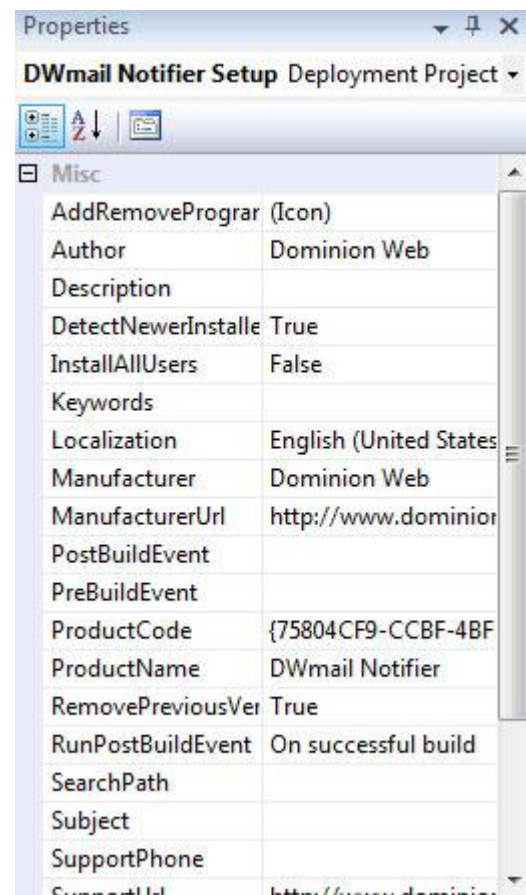
The setup project name is the name used for the installation directory, the name in the installer and the name in the Add/Remove Programs section of the Windows Control Panel.

Single click on the Setup Project root called 'DWmail Notifier Setup' in the Solution Explorer.

The Properties section will now give you the options you can change.

You may wish to change the following Properties

- Author
- Description
- Manufacturer is your company name



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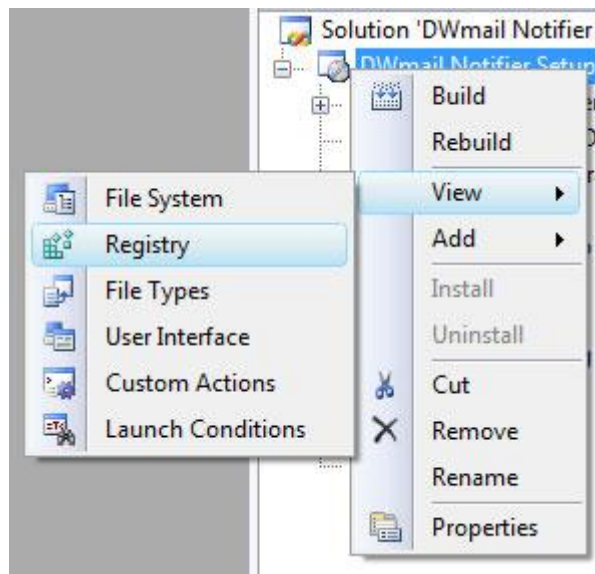
- ManufacturerUrl to your own website
- ProductName of the application
- SupportPhone to your telephone number if you offer telephone support to your customers
- SupportUrl to the URL of your support area if you offer such a tool to your customers
- Title
- Version (the Setup Process will automatically upgrade and remove older versions but if this version number is the same as one already installed then the setup process will require the end user to manually remove via the control panel first. This can be run side by side with the Notifier available from Dominion Web however)

Registry

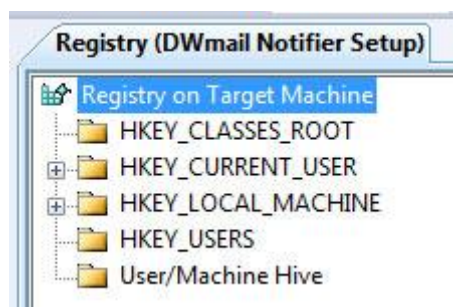
Editing the URL to your DWmail installation

The registry settings are the key to configuring DWmail Notifier to your specific DWmail installation by default..

To access the registry settings, right click on 'DWmail Notifier Setup' in the Solution Explorer and select 'View -> Registry'



The main workspace will change to the registry layout for the Notifier. These are registry settings used by the Notifier to setup its settings and account connection details.



All of the changes needed for the registry are under HKEY_CURRENT_USER (HKCU). Click on the + icon to expand and navigate to 'HKCU\Software\DWmailNotifier'

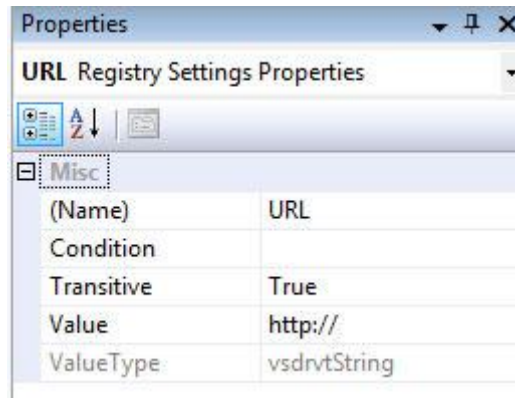
Name	Value
AllowInvalidSSL	0
Configured	0
DefaultAccount	"Account1"
PlaySound	0
Proxy	0
ProxyDomain	""
ProxyPassword	""
ProxyServer	"http://"
ProxyType	"Basic"
ProxyUser	""
Refresh	"30"
Skin	1
Transparency	90
URL	"http://"

These are the core registry keys to DWmail Notifier's behaviour

'HKCU\Software\DWmailNotifier'

- AllowInvalidSSL – If you are using an SSL certificate to connect to your DWmail installation but it is either self signed or expired then set this to 1 to bypass certificate validation
- Configured – For new installations this should be set to 0
- DefaultAccount – The default account registry name. For new installations this should not be changed
- PlaySound – Play a new mail notification sound if set to 1
- Proxy – Set to 1 to enable a proxy server
- ProxyDomain – The domain for a proxy server
- ProxyPassword – Proxy Password
- ProxyType – The proxy server type 'Basic', 'Digest' or 'Kerberos'
- ProxyUser – The username for the proxy server
- Refresh – The time in seconds to check for new mail
- Skin – The default skin for the notifier. Can be 1-3
- Transparency – The % opacity of the notifier window
- URL – The most important key to configure, the URL to your DWmail installation. Do not include a trailing forward slash.

Single clicking on any of these keys will change the Properties dialog to allow you to edit it.



Edit the 'Value' field to reflect the new value for the registry key.

Configuring a default webmail account

Navigate to HKEY_CURRENT_USER (HKCU) and then to

'HKCU\Software\DWmailNotifier\Account1'

- This is the default account for the Notifier, do not rename the key itself, however to configure a default account you can modify any of the sub keys
 - Description – The name of the account shown to the user when running the Notifier
 - Hash – The user key, this is a dynamically generated hash key shown to the user on the RSS preferences page from within DWmail
 - ID – The user id, shown to the user of the RSS preferences page from within DWmail

Setting DWmail Notifier to load on Windows startup

Navigate to HKEY_CURRENT_USER (HKCU) and then to

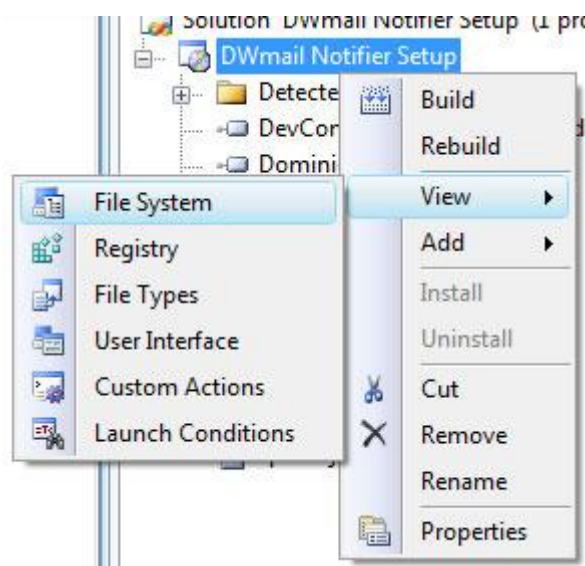
'HKCU\Software\Microsoft\Windows\CurrentVersion\Run'

- The only entry here is DWmail Notifier and the path to Notifer.exe. You can change the name of the key to reflect your application name.
- This key is only installed if the user ticks the checkbox on installation.

Start Menu

Start Menu Shortcuts

To access the Start Menu Shortcuts, right click on 'DWmail Notifier Setup' in the Solution Explorer and select 'View -> File System'



The Workspace will now change to show the installation file system.

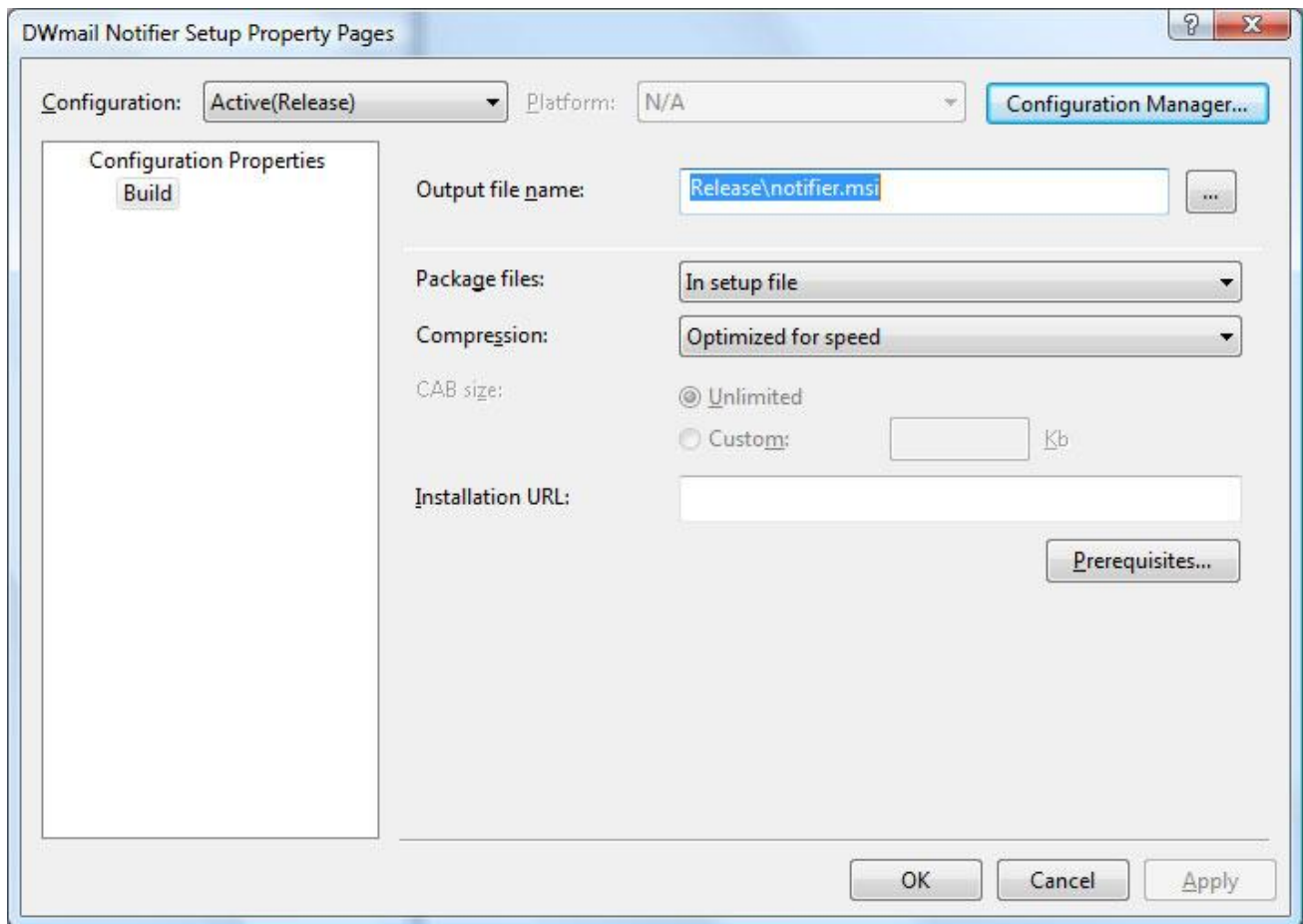
Navigate to 'User's Programs Menu'

Click on 'DWmail Notifier' and the Properties dialog will change. To edit the name of the folder you can edit the (Name) field.

Navigate to 'User's Programs Menu\DWmail Notifier' and click on the file 'DWmail Notifier'. This is the icon on the start menu to load the Notifier's settings dialog. The Properties dialog will change and you can edit the following fields:

- (Name) – The name of your application in the shortcut
- Description – A description tooltip that appears when you hover over the shortcut

The other dialog options should not need to be edited.



Prerequisites

Prerequisites are packages required before DWmail Notifier can be installed and run. You can access these by clicking on the 'Prerequisites' button. By default 'NET Framework 2.0' and 'Windows Installer 3.1' are selected as they are required by DWmail Notifier.

Prerequisites will automatically download at the same time as installation from Microsoft's website if they are not already installed.

Building the setup files

To access built the setup files, right click on 'DWmail Notifier Setup' in the Solution Explorer and select 'Build'.

The Output dialog will show you the build process and assuming no mistakes have been made when editing the SDK files, the process will complete.

The setup files will be located in your documents folder in the subfolder 'Visual Studio 2008\Projects\notifier SDK\DWmail Notifier Setup\Release\'

There are two files, setup.exe and (if the output name was not changed above) notifier.msi. notifier.msi is the only file required for the setup, however setup.exe is a bootstrap wrapper that includes the detection of the prerequisites such as .NET 2.0 Framework.