



An Australian Government Initiative

**business.gov.au**

Your business gateway to government information and services

# **business.gov.au**

# **Content Syndication**

## **ASP.Net Installation Guide**

**Version 1.0**



## Department of Innovation, Industry, Science and Research

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Web: [www.syndication.business.gov.au](http://www.syndication.business.gov.au)

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## CHAPTER 1

# Welcome to business.gov.au

business.gov.au offers simple and convenient access to government information, transactions and services. It's a whole-of-government service providing essential information incorporated from local, state and federal government levels on planning, starting, running and growing a business.

## Syndication

Syndication allows you to access, publish and integrate business.gov.au content directly to your website. This enables your clients to access up-to-date government information directly from your website, rather than having to go to business.gov.au or to the relevant government site.

Syndicated content is available for web site integration as either a true **RSS (Really Simple Syndication) Web Feed** or by downloading and installing the **Full Service** (see below) to integrate business.gov.au content into your own website.

### Full Service

The full service includes the complete range of business.gov.au content (more than 300 web pages) that can be published on and integrated into your website. It is even possible to display the content in the look and feel of your web site. Any additions or updates that are made to the content on business.gov.au are automatically updated on your site, meaning with correct implementation of the full service your content will always remain up to date.

A set of user-friendly tools is available to help non-technical or technical staff to implement this service. Your technical staff will also be able to further modify the feed to present a more sophisticated integration of business.gov.au information and services, displaying content in the look and feel of your web site.

### RSS Service

#### *For simple website integration*

This service allows small organisations or individuals to sign-up and automatically gain access to 22 business.gov.au RSS web feeds without submitting a Memorandum of Understanding (MOU). Many website content management systems or development tools, such as Dreamweaver Version 8, now include the ability to incorporate RSS feeds to a web site/page as a standard feature.

#### *For individual use*

These web feeds can be easily viewed using an internet browser such as Firefox 2 or Internet Explorer 7 or an RSS web feed Newsreader (all free to download from the Internet).

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## New Syndication Partners

To download and install the full Syndication Service, you need to have registered for the Syndication RSS Web Feeds and entered in to an MOU (Memorandum of Understanding) with the Department of Innovation, Industry, Science and Research.

A copy of the MOU can be downloaded from here: [PDF SmartForm MoU](#) or [PDF MoU](#) or after you have registered for the Syndication RSS Feeds (select the 'tools' menu after login to your syndication account).

Please download, print, sign and either fax the completed MOU to (02) 6276 1703 or scan and email to [syndication@industry.gov.au](mailto:syndication@industry.gov.au) or send by post to:

**Syndication Manager**  
**business.gov.au**  
**GPO Box 9839**  
**Canberra ACT 2601**

When we have received and approved the MOU we will generate and forward you a 'User ID'.

Please contact [syndication@business.gov.au](mailto:syndication@business.gov.au) if you have any questions about the MOU process.

## CHAPTER 2

# Installing the Full Syndication Service

Once you have been issued with your 'User ID', after logon to your syndication account you will have access to a 'TOOLS' menu where you can download your choice of installation package.

Before you install the Syndication Service, you need to determine which installation package is most suitable to your operating system / web server. business.gov.au currently provides 4 different installation packages – Windows, Java, PHP and ASP.NET – to cater for a variety of operating systems / web servers. This document only refers to the installation of the syndication ASP.NET tool.

**Note**

You may need to consult with your system administrator or webmaster before installing the syndication service on your system.

## ASP.NET Installer

### Prerequisites

Before installing the syndication service, please ensure that your system meets the following prerequisites.

- A web server with Microsoft's Internet Information Services (IIS) installed.
- Minimum of Microsoft .NET framework 1.1  
<http://www.microsoft.com/downloads/details.aspx?familyid=262D25E3-F589-4842-8157-034D1E7CF3A3&displaylang=en>

## Installing the ASP.Net Syndication Software

The following is one method of installing the ASP.NET Syndication Tool

- 1 Download the ASP.NET Syndication install file '**businessgovauSyndicationASPNet.zip**' from business.gov.au.
- 2 Unzip the file and rename it to whatever you like: for this example, **Syndication**.

- 
- 3 Copy/Upload the folder to the home directory of your website;  
www.yourwebsite/**Syndication**

**NB:** if you are using FTP to upload the folder and can only upload files – create a new folder on your website and then upload the files.

**NB:** If you are running Window XP or Window Server 2003, make sure you have

"Modify" permissions to the files *install.aspx* and *Web.config*  *install.aspx*  *Web.config*

- 4 Create a Virtual Directory –

(the following outlines how to create a Virtual Directory in IIS. If you do not have direct access to your website server or access to a website administration module please contact your website hosting company to request the set up of the Virtual Directory)

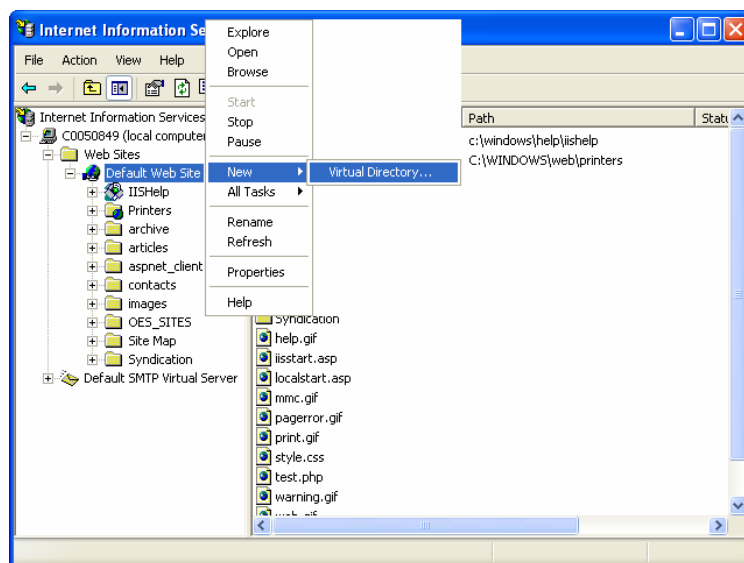
During set up, parameters should be set as follows;

- i) *Alias* – same as you have given the folder (e.g. **Syndication**)
- ii) *Target/Directory* - should be the '**Syndication**' folder
- iii) *Access Permissions* – Read and Write
- iv) *Execute Permissions* – Scripts and Executables

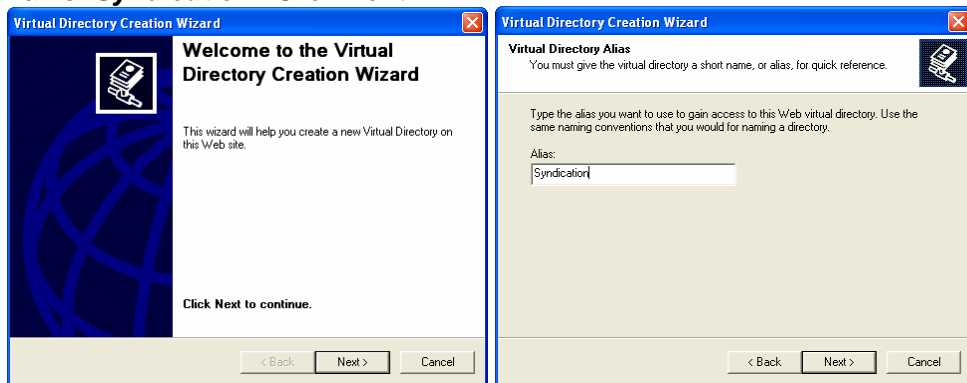
- a) Open the Internet Information Services window:

*Start Menu / Control Panel / Administrative Tools / Internet Information Services*

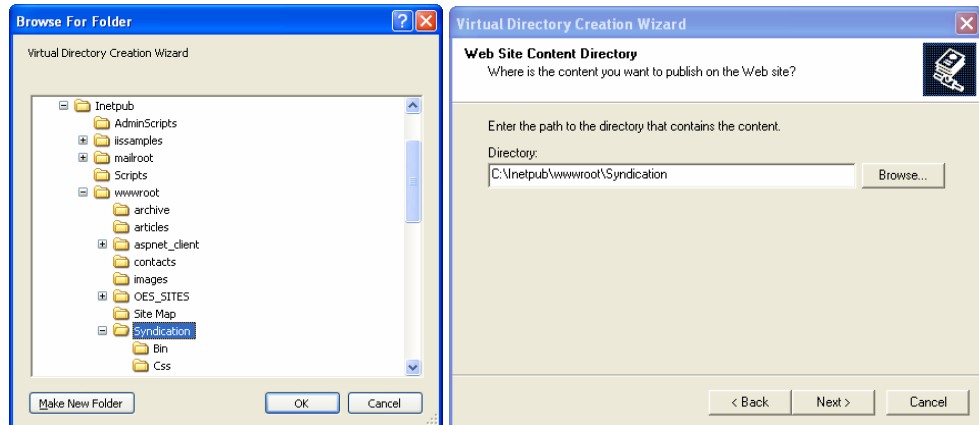
- b) Right-click **Default Web Site**, point to **New**, and then click **Virtual Directory**



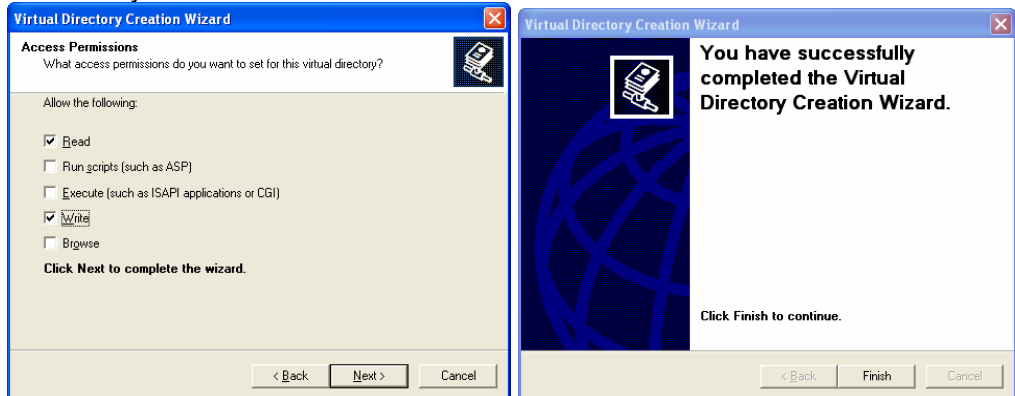
- c) Click next on the first page of the Wizard and then give the Virtual Directory a name: **Syndication**. Click **Next**



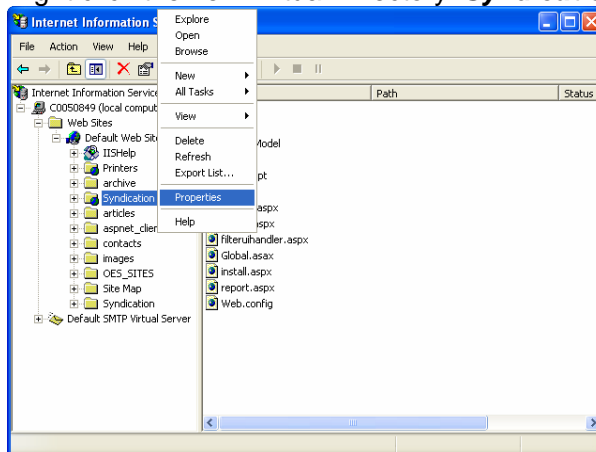
- d) Click the browse button and locate the **'Syndication'** folder you have uploaded. Select the folder and then click **OK**. Click **Next**



- e) Select only **Read** and **Write**. Click **Next** and then **Finish**

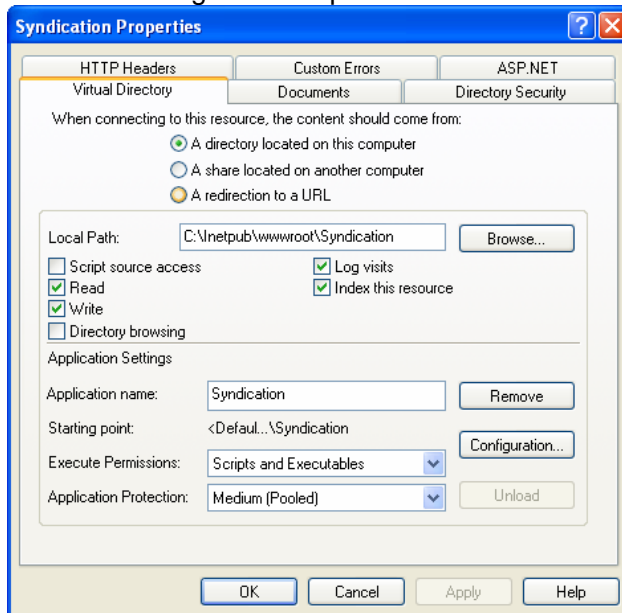


- f) You will now be able to see the new Virtual Directory called '**Syndication**'. Right click the new Virtual Directory '**Syndication**' and select **Properties**



- g) You should see similar settings as below (in the Virtual Directory tab). If the **Application name** does not exist – click **Create** and it will be created. Ensure the **Execute Permissions** is set to **Scripts and Executables**

When all settings are complete - Click OK



The ASP.NET application has now been set up. You will now need to configure the Syndication tool by following the next steps.

During the configuration you will need to enter the following details;

**XML Directory** – Syndication content is downloaded as XML to this directory

**HTML Directory** – After download, the above XML content is then transformed in to HTM pages and stored here. These are the syndication pages that can be displayed on your website.

**Proxy Server** and **Proxy Port** – The majority of people can leave these fields blank. If you find they are required, please contact your technical support staff for the details.

**Partner UID** – This is supplied to you after submission of your MOU (Memorandum of Understanding)

## Configure the ASP.Net Syndication Software

1. Use an internet browser to view the install.aspx file;  
e.g. [www.yourwebsite/Syndication/install.aspx](http://www.yourwebsite/Syndication/install.aspx)
2. Define the XML, HTML and Partner UID fields.  
Click Install Syndication

3. You should then receive an '**Install Complete**' message.  
Click to proceed to the Syndication toolbox

### Install complete!

[Click here](#) to access the business.gov.au Syndication

**NB:** Once you complete the install, for security purposes the *install.aspx* file will be renamed to disable it. If you need to at any stage re-run the configuration, you will need to rename the install file to *install.aspx*.

4. Click on the **Download Syndication content** button to download your first set of syndication content. Once the download is complete, open the **default.htm** file located in the folder you specified above as the HTML Directory  
e.g. [www.yourwebsite/Syndication/businessinfo/default.htm](http://www.yourwebsite/Syndication/businessinfo/default.htm) (This is the file you should link to from your website – It is the home syndication content page).

# Setting an automatic update

## Automatic Updates

As part of the Full Syndication agreement, you must keep the syndication content on your website up to date. Updating the content on your site involves visiting the web page [http://www.YOUR\\_WEBSITE/Syndication/default.aspx](http://www.YOUR_WEBSITE/Syndication/default.aspx) on your website and selecting the download content button.

To automate this process you can or you could request your internet service provider; "Use cPanel or the server administration application they use, to create a scheduled task. It should run at 3am each morning and visit your web page; [http://www.YOUR\\_WEBSITE/Syndication/default.aspx?action=download](http://www.YOUR_WEBSITE/Syndication/default.aspx?action=download)

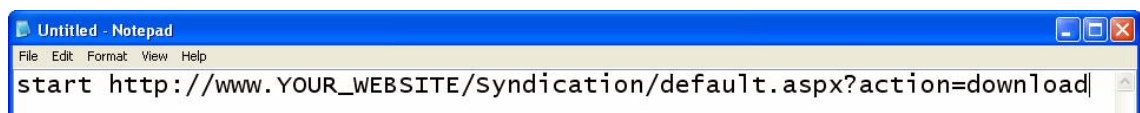
Some internet service providers will not allow scheduled tasks to be implemented on the server side so the following outlines a few methods you could use to have your Syndication content automatically update.

## PC Scheduled task

If your PC is connected to a permanent internet connection, a scheduled task will automatically update the Syndication content on your site.

**NB:** You do not have to be logged on for a scheduled update to work but your PC must be switched on.

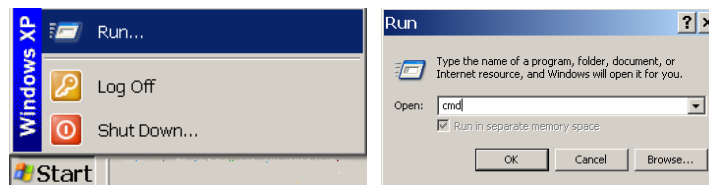
- Open the syndication toolbox with your web browser:  
[http://www.YOUR\\_WEBSITE/Syndication/default.aspx](http://www.YOUR_WEBSITE/Syndication/default.aspx).
  - a) Copy the full address from the address bar.
  - b) Open a new notepad document and paste the address in to it.
  - c) Add the word; **start** at beginning of the address followed by a space.
  - d) Add the text; **?action=download** to the end of the address.
    - The text in the document should now look similar to the following (your address will differ);



- e) Create a new folder on your **C:\** called **UPDATE**.
- f) Save this file to the **UPDATE** folder and name it **ASPupdate**.
- g) Rename the file from **ASPupdate.txt** to **ASPupdate.cmd**



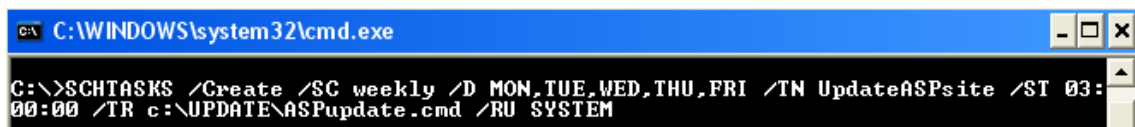
- h) Open the *Command prompt* on your PC - select the *Start Menu*, then *Run* – Type in **cmd** and Press OK



If you cannot see the run command you may be able to open the Command prompt from <C:\WINDOWS\system32\cmd.exe>. If you are still unable to access the command prompt, it may have been restricted by your system administrator – you could either request they give you access to it or you could implement a 'PC startup menu' task (see next page)

- i) Type or copy and paste (using the mouse / right click / paste) the following text in to the command prompt and press enter;

**SCHTASKS /Create /SC weekly /D MON,TUE,WED,THU,FRI /TN UpdateASPsite /ST 03:00:00 /TR c:\UPDATE\ASPupdate.cmd /RU SYSTEM**



- j) Press Enter

**You have now successfully created a scheduled task that, if your PC is left turned on, will update the Syndication content on your website, every week day at 3.00am.**

---

## Startup menu

A different option is adding the above **ASPupdate.cmd** file to your PC startup folder so that when you logon to your PC each morning, your internet browser will automatically open and begin the download of new Syndication content to your website.

**NB:** This will only work if you logoff your PC each night and logon each morning

- a) Create the **ASPupdate.cmd** file as outlined above.
- b) Copy the file to your PC startup folder: <C:\Documents and Settings\All Users\Start Menu\Programs\Startup>

**Make sure you log off your PC each night. When you log on in the morning an internet browser will automatically open and new content will be loaded on to your internet site.**

## CHAPTER 4

# Using the Syndication Tools

## Syndication Toolbox Operation

To launch the Syndication Toolbox (pictured below) view the **default.aspx** file with a web browser:

Eg - [http://www.YOUR\\_WEBSITE/Syndication/default.aspx](http://www.YOUR_WEBSITE/Syndication/default.aspx)



# 1. Filter Content



Pressing the **Filter Content** button launches the Filter Content interface, which allows you to choose whether or not you want to include new content items provided by business.gov.au to be automatically included in your syndicated content feed. It also allows you to select content items that are most relevant to your website.

## New Subject Notification Checkbox.

**Tick is recommended** - New subjects will be automatically added to your list of syndicated content downloads. For example if a new main topic channel such as 'Environment' were to be offered to the list of syndication content – this new channel would automatically be added to the content you receive.

**No Tick** - New subjects will not be added to your list of syndicated content downloads. If a new main topic channel were to be offered, you would not receive this new channel in your content until you manually open the filter and select the new channel from the content items.

## Content Items

Checked items will be included in your syndicated content download. Click on the + symbol to list the sub-topics.

## Content Items

Content items are displayed in a hierarchical manner and grouped into relevant subjects. By default, all available content items are selected and published to the folder specified during the installation process.

### Note

When an item is deselected, all sub-items that are below it in the structure will also be deselected as they rely upon a parent content item to create linkages.

## Update Content Filter Settings

### Update Filter

When you have decided which content items you want to publish to your website, by ticking or un-ticking them in the list, select the **Update Filter** button to save your current filter settings.

## Cancel

Select the browser back button to return without saving any changes.

## 2. Download Syndicated Content



You should set a scheduled task to automatically download new syndication content each night (see the chapter Setting an Automatic update).

You can also manually download content by selecting the **Download Syndicated Content** button. The contents of your destination folder (HTML file set during the installation) will be updated with the latest content from business.gov.au.

Note that the manual process does not stop or replace the scheduled task process but is intended to be used for testing purposes. For example you may want to check the final styling and layout of the content before making it available on your website or immediately update any changes you make.

## 3. Change Account Details



Selecting the **Change Account Details** button will launch your default web browser and connect you to the syndication login page. Once you have logged in with your username and password you can edit your details – **Edit Profile**, access the business.gov.au **RSS Feeds**, download installation **Tools** and access **Help and FAQs**.

## 4. Contact Syndication



Selecting the **Contact Syndication** button will launch a web based form which will be emailed to the business.gov.au Syndication Team. Please include as much detail as possible about the problem you are experiencing and we will get back to you as soon as possible.

## 5. Help



Select the **Help** button to launch an online version of this guide. Should you require further help, please use the feedback form accessible via the **Contact Syndication** button.

## 6. Close



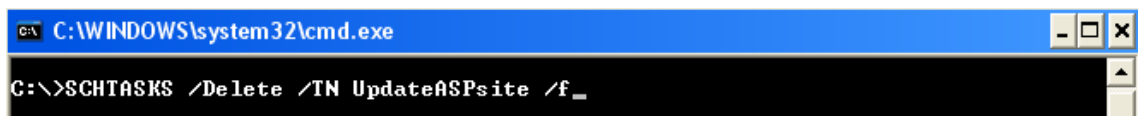
Selecting the **Close** button closes the Syndication Toolbox.

Note that it is not necessary to have the Toolbox open to execute the daily refresh process and publish business.gov.au to your destination folder.

## Removing the Syndication Toolbox

To remove the Syndication Toolbox from your site, follow these steps:

- 1 Delete all of the folders from your website that were created during the installation process.
- 2 Delete the startup item or if you used a scheduled task open the command prompt, type in the following and press enter;



```
C:\WINDOWS\system32\cmd.exe
C:\>SCHTASKS /Delete /TN UpdateASPsite /f
```

The Syndication Toolbox and the Syndication content will now be removed from your site and PC.