

## webSNAPS Full Server-Side Installation Guide

This document contains full installation instructions for the two server-side components of webSNAPS: the webSNAPS Hosting Site and the webSNAPS Data Publishing Service. The desktop client installation and quick-start guide is contained in a separate document for distribution to end users if required.

Please ensure that the webSNAPS Requirements document has been checked before starting this server installation.

### Installing the Hosting Site

The webSNAPS Hosting Site is an ASP.NET Web Application which requires Microsoft Windows Server 2003 Service Pack 1, Microsoft Internet Information Services 6.0 or later and the Microsoft .NET Framework v3.5 or later. This component only needs to be installed if you are planning to host users' applications on your own server, rather than using Co-operative Web's hosting and backup facilities. You can skip to the Installing the Data Publishing Service section on page 2 if you are using Co-operative Web's hosting facilities.

This guide refers to two roles: a Web Server (running IIS) and a Database Server (running SQL Server). These roles can both be performed using one physical machine, or you may split them across two or more servers, which might involve webfarm and/or network-load-balancing techniques. webSNAPS does not use any session state, which improves performance and ease-of-setup for webfarms and NLBs.

The setup package should be run on the web server from whence it will contact the database server and create the hosting database remotely. To install the hosting site on multiple web servers, de-select the database components at the relevant stage on all but the first web server.

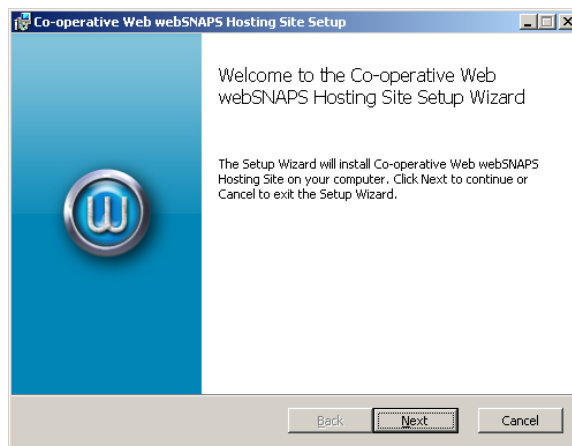
### Pre-requisites and configuring Windows

1. Make sure that you have installed **Microsoft Internet Information Services** on your Web Server by:-
  - a. Open Control Panel > Add/Remove Programs > Add/Remove Windows Components
  - b. Make sure that Application Server is ticked in the list of Components
  - c. Select Application Server, click the Details button and make sure that at least the following sub-components are installed: ASP.NET & Internet Information Services (IIS).
  - d. Select Internet Information Services (IIS) and click the Details button and make sure that at least the World Wide Web service is installed.
  - e. Complete the Windows component installation wizard if necessary to carry out and changes you have requested above. **You may need the original Windows installation media**, network share or setup files to install IIS.
2. Make sure that you have installed **Microsoft Windows Server 2003 Service Pack 1** or later.
  - a. You can check by clicking Start menu > Run > type "winver" and press enter.
  - b. The version number displayed should include the phrase "service pack 1" at the end.
3. Make sure that you have the **Microsoft .NET Framework 3.5 SP1** installed (note that SP1 or later is required, the original release of the Microsoft .NET Framework 3.5 is not sufficient).
  - a. To determine if the .NET Framework 3.5 SP1 is installed, open Control Panel > Add/Remove Programs and check the list for "Microsoft .NET Framework 3.5 SP1".
  - b. If you cannot find the framework in the list, download and install it by searching the Internet for "Microsoft .NET Framework 3.5 SP1 Download" and finding a link to the genuine "microsoft.com" site in the search results.

### Installation of webSNAPS' Hosting Site

1. Download and launch the **webSNAPS Hosting Site Windows Installer package** (".MSI file") from: [http://web.coop/websnaps/download/hostingsite/webSNAPS Hosting Site Setup.msi](http://web.coop/websnaps/download/hostingsite/webSNAPS%20Hosting%20Site%20Setup.msi).

2. Proceed through the standard Microsoft Windows Installation UI. When filling in the SQL Server details page the following notes may help:-
  - a. "SQL Server Machine Name" should be left at "." if the local machine is the database server<sup>1</sup>.
  - b. "SQL Server Instance Name" should be left blank for the default unnamed instance.
  - c. Using Windows Authentication to contact the database server is not yet supported by the installation package – please contact Co-operative Web if this prevents you from installing the hosting site at all.
  - d. Make sure that you untick the "SQL 2005 or later" box if you want to disable performance enhancements, optimisations and features specific to SQL Server 2005, 2008 or later.
3. Your users can now use the webSNAPS Data Publishing Desktop Client directly to create applications on this hosting site. You may want to install the Data Publishing Service on your source database server(s).



## Installing the Data Publishing Service

The Data Publishing Service should ideally be installed on any database server which your users will connect to in order to retrieve data to publish using webSNAPS.

It is not essential that you install this service. Whether or not you need this service depends on how your network is configured and what webSNAPS features you want your users to have access to. The webSNAPS Typical Deployment Scenarios document describes how to decide if you want this service or not.

Note that if you decide that you do want the functionality enabled by this service, you still do not need to install this service on the database server(s) powering the Hosting Site in the previous section, unless those database server(s) *also* host source data your users will want to publish.

To install the service:-

1. Download and install the webSNAPS Data Publishing Service from by clicking the Install button on the following web page:
  - a. <http://web.coop/websnaps/download/publishingservice/publish.htm>.
  - b. If you do not have the Microsoft .NET Framework 2.0 Service Pack 1 or later installed you will be asked to install this first and further instructions will be given. You may need to add <http://web.coop> to your trusted sites list *and then close and re-open all Internet Explorer windows*.
  - c. If you are using a proxy server to connect to the internet and do not already have .NET 2.0 SP1 installed you may need to install the framework first rather than using the link above.

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<sup>1</sup> Note that a period (".") is more secure than using "localhost" or the machine name as both of those can be overridden if the DNS service on the machine has been compromised by an attack (e.g. if the "hosts" file has been altered).

2. Launch the service by click Start menu > Programs > Co-operative Web > Co-operative Web webSNAPS Data Publishing Service.
3. When asked if you want to register the service, answer "Yes".
4. Enter your product key (obtainable from Co-operative Web) and your proxy server details if necessary, then click the Save Changes button.
5. Wait to check that the service control window says that the service has started then you can close the window.
  - a. This user interface is provided for information and software-updates only. Once the service has been registered then webSNAPS will work even if this window is closed or the server is rebooted.
6. If you want users to be able to connect to this server from their desktops then you must ensure that any firewall between your users and this server allows TCP port 4865 connections to the server. This includes any software-based firewall running on the server itself, such as the built-in Microsoft Windows Firewall.
7. Your users can now use the webSNAPS Data Publishing Desktop Client to connect to this service and schedule data uploads from this database server.

## Next Steps

You can now install the webSNAPS Data Publishing Desktop Client on one or more workstations (and/or a server if required) in order to take data from the Publishing Service (or other sources) and publish it on the Hosting Site (either one you have set up by following steps on page 1, or one provided by Co-operative Web).