

Install Guide

This document describes how to install and configure the four different applications delivered with Ariacom Business Reports.

The setup program and the Web Report Server Publisher can perform most of the typical installation tasks. However, for the **Web Report Server** and the **Report Scheduler**, you may have to install the programs step by step.

The **Web Report Server** and **Report Scheduler** applications need to have at least one domain registered on the machine being used.

A domain is registered in the **Business Domain Manager** in the menu (Domain->Business Domain registration->Register this domain).

All the concepts behind **Ariacom Business Reports** are described in the **Product Description** document [brDescription.doc](#)

A full demonstration of the product is available at <http://www.ariacom.com/>.

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Setup Program

The setup program **setup.exe** performs the following tasks:

- it associates the *.bdo files with the **Business Domain Manager** application.
- it associates the *.bre files with the **Report Manager** application.
- it copies all files necessary for the **Business Domain Manager, Report Manager** and **Web Report Server** to a target directory and creates entries in (Start->Programs->Ariacom Business Reports).

Web Report Server Publisher

This Web Report Server Publisher program publishes the Web Report Server application on your Internet Information Server. It performs the following tasks:

- it copies all files necessary to be published for the **Web Report Server** to a target directory.
- it registers the ActiveX for the **Web Report Server**
- it creates a virtual directory under the 'Default Web Site' of IIS and configures the user account for anonymous access.

The user must belong to the 'Default Launch Permission' group defined with the 'dcomcnfg.exe' utility. The user must have read/write access to all repository directories defined in the business domains registered on this machine.

The user must have rights to connect to the databases defined in the business domains.

Northwind Demonstration

The setup program always installs the files necessary to run the Northwind demonstration under a dedicated sub-directory called Northwind:

- The Access 97 database ***northwind.mdb***
- The business domain ***northwind.bdo***
- The full repository of the domain with folders and report files ****.bre***
- HTML templates samples

Optionally the setup program can register the Business Domain 'Northwind' on the machine.

The Northwind demonstration requires to have Microsoft Access ODBC Driver (Access 97 or later) installed on the machine.

If necessary, you can download the Access version of Northwind from the Microsoft web site:
<http://download.microsoft.com/download/access97/Nwind/97/WIN98/EN-US/Nwind.exe>

Business Domain Manager

Executable name: ***bdomgr.exe***

Prerequisites:

- Any Windows 32bit platform
- Internet Explorer 4.0 with service pack 1 or later version
- ODBC drivers for the target databases

Report Manager

Executable name: ***bremgr.exe***

Prerequisites:

- Any Windows 32bit platform
- Internet Explorer 4.0 with service pack 1 or later version
- ODBC drivers for the target databases

Web Report Server

Executable name: **brwebsrv.exe**

The **Web Report Server** is installed in 2 steps:

- installation of the **brwebsrv.exe** ActiveX.
- publication of the Web site.

1. Prerequisites

Prerequisites for the machine running the Internet Information Server:

- Windows NT with Internet Information Server 4.0 (Option pack 4.0) and with Internet Explorer 5.0 or later version
- Windows 2000 with Internet Information Server 5.0 and with Internet Explorer 5.0 or later version

Prerequisites for the machine running the **Web Report Server**:

- Any windows 32bit platform
- Internet Explorer 5.0 or later version
- ODBC drivers for the target databases

Prerequisites for the client browser:

The client browser can be any standard browser supporting HTML frames and JavaScript (Internet Explorer 4 or later version, Netscape Navigator 4 or later version).

For performance and layout reasons, we recommend you use the latest version of your browser (Internet Explorer 5 or later version, Netscape 6 or later version).

2. ActiveX

2.1 Installation

brwebsrv.exe is an ActiveX acting as a DCOM server. This means that it can be configured to be executed on any machine on the network.

Using a Command Prompt, install the ActiveX on the Web Server machine (the one running IIS) using the following command:

'brwebsrv.exe /regserver'

If the **Web Report Server** machine is **different** from the Web server machine, perform the following two additional steps:

- Install the ActiveX on the Web Server machine (the one running IIS) using the command:
'brwebsrv.exe /regserver'
- On the Web server machine (the one running IIS), use the **dcomcnfg.exe** application (the standard application to configure DCOM servers) to configure the 'reportServer Object' to be executed on the **Web Report Server**.

If necessary, run the **dcomcnfg.exe** application (the standard application to configure DCOM servers) on the Web server machine to configure **Web Report Server** security (user account, access rights, etc.).

2.2 Uninstallation

Using a Command Prompt, the ActiveX can be uninstalled with the following command on each server:

'brwebsrv.exe /unregserver'

3. Internet Information Server configuration

This configuration publishes the Active Server Pages located under the target directory chosen in the setup program as a standard ASP application running an out-of-process DCOM server.

Run the internet services manager (Menu Start-> Programs-> Administrative Tools-> Internet Services Manager) on your Web server.

Create a new Virtual Directory on your Default Web Site or create a new site with the following properties:

- The local path must be the target directory chosen in the setup program.
- The main entry is the 'default.asp' file.
- Directory execute permission must be set to at least 'Scripts only'.

By default, IIS uses the user account IUSR_ *machineName* for anonymous access.

The account chosen in the Directory Security tab (Anonymous Access and Authentication control) must belong to the 'Default Launch Permission' group for DCOM.

This group can be defined by running the 'dcomcnfg.exe' utility, choosing the 'Default Security' tab and editing 'Default launch Permissions...'

Refer to Internet Information Server documentation to set up your custom configuration and security.

We strongly recommend the use of IIS 5 on Windows 2000.

A common problem on IIS 4.0 is documented under the MSDN ID: Q184682 'PRB: Cannot Launch Out of Process Component Under IIS 4'.

The resolution is adjusted by executing the following script on the Windows NT 4.0 Web Server: "C:\WINNT\system32\inetsrv\adminsamples>adsutil.vbs set w3svc/AspAllowOutOfProcComponents True"

Refer to MSDN on the Microsoft web site for more information.

4. Registry configuration

The following registry key values under '*HKEY_LOCAL_MACHINE\SOFTWARE\Ariacom\Business Reports\Web Report Server*' can be modified to configure the Web Report Server:

- **Log Days:** DWORD value in days (Default is 10 days). Indicates how many log files are kept in the Web Report Server directory. One file is generated per day.
- **Log Level:** DWORD value (Default is 1). Indicates the minimum level of log messages saved in the log file.
0 = Debug, 1 = Information, 2 = Warning, 3 = Error, 4 = No Log

Report Scheduler

Executable name: *bresched.exe*

1. As an NT service

Prerequisites:

- Windows NT 4.0 or Windows 2000
- ODBC drivers for the target databases

Using a Command Prompt, the service can be installed with the following command:
'bresched.exe /regserver'

Then, configure the **Report Scheduler** service with the service manager (Menu Start-> Programs-> Administrative Tools-> Services).

The report scheduler generates a daily log file.

From a Command Prompt, the service can be uninstalled with the following command:
'bresched.exe /unregserver'

2. In console mode

Prerequisites:

- Any windows 32bit platform
- ODBC drivers for the target databases

Using a Command Prompt, it can be executed in standalone mode with the following command:
'bresched.exe /console'

3. Registry configuration

The following registry key values under *'HKEY_LOCAL_MACHINE\SOFTWARE\Ariacom\Business Reports\Report Scheduler'* can be modified to configure the Report Scheduler:

- **Refresh Reports Rate:** DWORD value in seconds (Default is 300 seconds). Indicates how often the scheduler has to parse and reload (if necessary) all reports to determine whether they are scheduled.
- **Log Days:** DWORD value in days (Default is 10 days). Indicates how many log files are kept in the Report Scheduler directory. One file is generated per day.
- **Log Level:** DWORD value (Default is 1). Indicates the minimum level of log messages saved in the log file.
0 = Debug, 1 = Information, 2 = Warning, 3 = Error, 4 = No Log

