

# WebSTAR: Front End for 4D Business Kit

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## Overview

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The purpose of this technical note is to describe how to set up 4D WebSTAR as a front end Web interface for 4D Business Kit. The following examples use 4D WebSTAR 5.3.3 and 4D Business Kit 2.2.2.

## Integrating 4D Business Kit and 4D WebSTAR

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The different configurations to be carried out in order to have 4D Business Kit operate as the secondary Web server of 4D WebSTAR are as follows:

### Configuration of 4D WebSTAR

The configuration of 4D WebSTAR for joint use with 4D Business Kit involves the configuration of the *Web Rewrite* plug-in of 4D WebSTAR.

*Note: The minimum version of 4D WebSTAR required is 5.2.3. The **Web Rewrite** module can be accessed from MacOS X via the 4D WebSTAR Admin Client application. This application is also available on Windows.*

**1. Using a text editor, open the *Rewrite proxy rules.txt* file in the [4D WebSTAR Rules] subfolder of the [Files to import] folder in 4D Business Kit.**

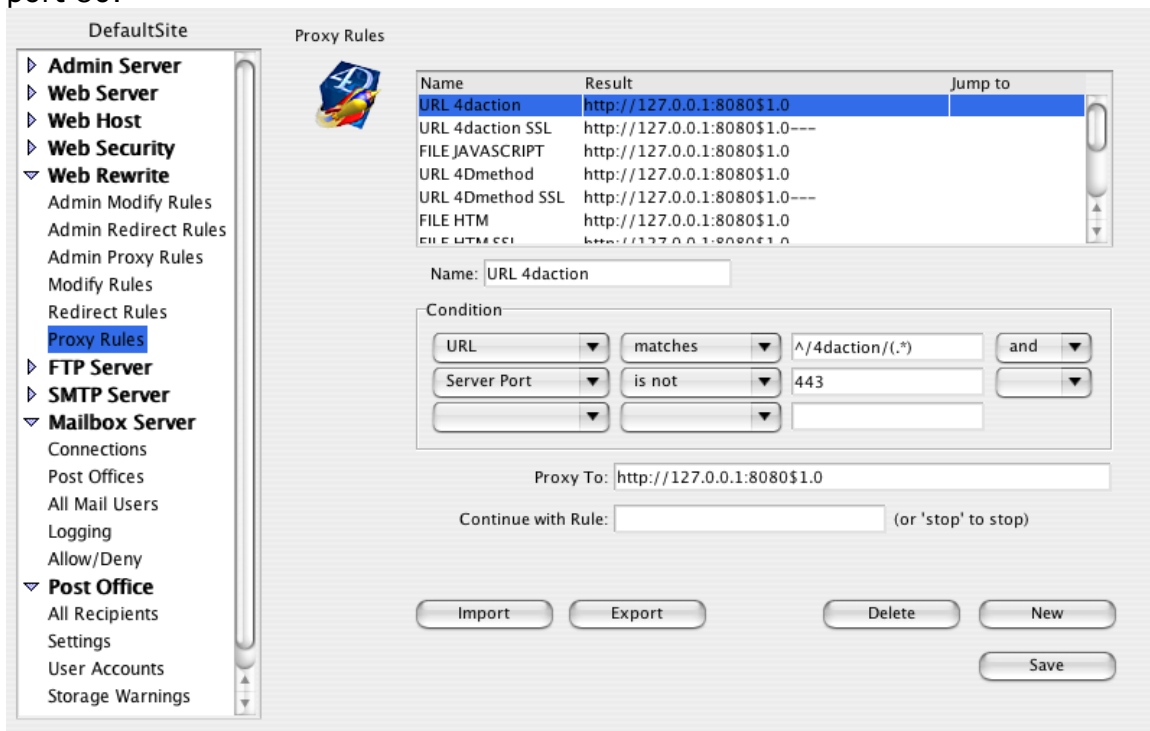
This file contains all of the rules that enable 4D WebSTAR to operate as a Proxy for the URLs pointing to 4D Business Kit:

Each of these rules refers to a generic address of the 4D Business Kit server — **www.4dbkstore.com** — that you must replace with the address of your own server.

**2. Perform a search for “www.4dbkstore.com” and replace it systematically with your own 4D Business Kit server address.**

In this example, [www.4dbkstore.com](http://www.4dbkstore.com) was replaced by 127.0.0.1:8080. Here we are running Business Kit (v2.2.2) on the same server but using a different port, 8080. If you are serving Business Kit on a different server, you can replace [www.4dbkstore.com](http://www.4dbkstore.com) with either the domain name or IP address of

that server adding a colon and the port if it is serving on a port other than port 80.



### 3. Save the modified file while leaving the initial file format unchanged.

All the rules specified in this file are given as an example and are valid only for a store created with the default options of 4D Business Kit (in particular for the name of the folder containing the site, which must be of the "XXXX\_Site" type). These rules also assume that all the files served by 4DBK are suffixed with ".htm" or ".html".

For other settings, you must define your own Proxy rules. Chapter 9 in the 4D WebSTAR Technical Reference manual, titled "Regular Expression Reference," is a good source on how to set up these rules.

### 4. Start the 4D WebSTAR Admin Client application and display the Proxy rules parameters page of the "Web ReWrite" theme.

### 5. Click on the Import button and select the "Rewrite proxy rules" file (that you have already modified beforehand).

4D WebSTAR will import the rules specified in the file.

### 6. Click on the Save button to save the modifications made on the 4D WebSTAR server.

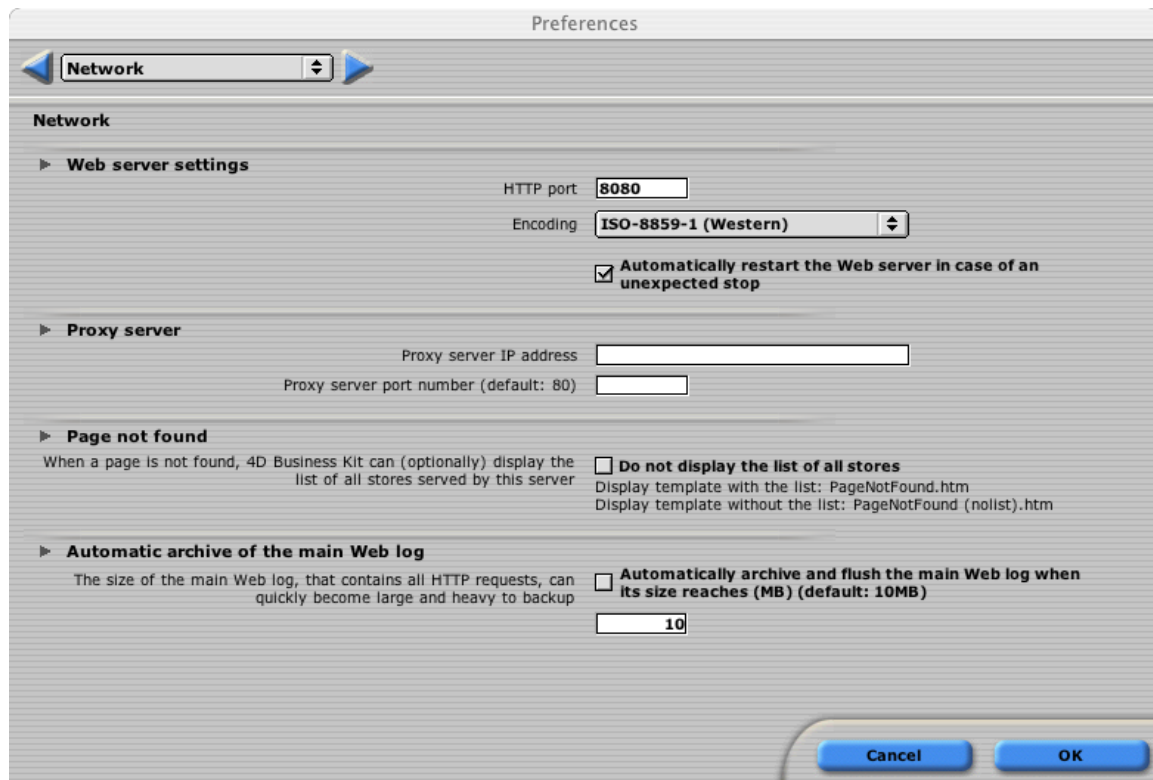
## Configuration of Web pages served by 4D WebSTAR

Here is an example of a link specified in an HTML page served by 4D WebSTAR that will be processed directly by the 4D Business Kit server:

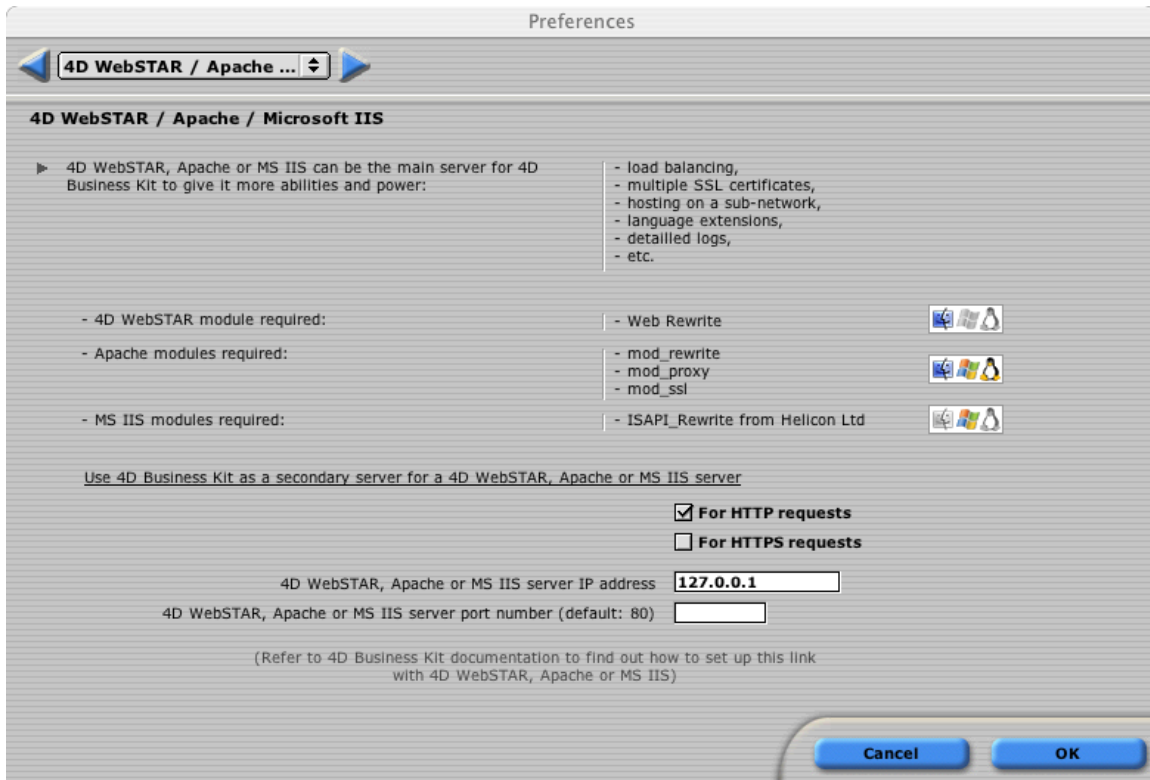
**<A HREF= "/Test\_Site/WebPagesUS/home.htm">To the 4DBK TEST store</A>**

## Configuration of 4D Business Kit

All that remains is to reference the 4D WebSTAR server in the Preferences of 4D Business Kit. Open the preferences window and choose the 4D WebSTAR/Apache option from the dropdown list in the upper left corner of the window.



**1. On the "4D WebSTAR / Apache" page of the Preferences, check the Use 4D Business Kit as a secondary server for a 4D WebSTAR, Apache or MS IIS server option.**



## 2. Enter the IP address and port number (optional) of the 4D WebSTAR server in the corresponding areas.

In this example, 127.0.0.1 has been entered and no port number. This is because WebSTAR is running on the same machine and serving through port 80. The port number could also be left blank if WebSTAR was on a separate machine and serving through port 80. You will notice on this page you also have the option to handle HTTPS requests as well as HTTP requests. Now 4DBK can run as a secondary server for 4D WebSTAR.

## Summary

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This technical note describes how to set up WebSTAR as a front end Web interface for 4D Business Kit.