

Emerald 4.0: Provisioning Microsoft IIS Web Services

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Overview

Emerald integration with IIS was designed to automatically perform the task of creating a new web site. (IP based or Virtual Domain) While keeping this basic configuration and account status synchronized with Emerald. It does not manage existing web sites unless their existing IIS configurations are removed then setup within Emerald.

IIS itself is quite extensive. It includes hundreds of options used to configure security, external libraries, document settings, logging, performance...etc. However Emerald integration represents a very small fraction of available options. Therefore it should only be seen as a complement to the IIS Management Console, in most cases where one would want to configure a personal or basic business web site. (Without access to advanced features such as databases or cgi/scripting languages) no further configuration is likely to be needed.

Existing web sites are automatically disabled but not removed when an account becomes inactive within Emerald. Past due accounts are not automatically disabled.

Emerald integrates with IIS by interacting with a special ASP page provided in this distribution (emersetup.asp) using standard HTTP requests.

System Requirements

- ☞☞ IIS Version 4.0 or 5.0
- ☞☞ ASP / VB Script enabled in a private administrative web site
- ☞☞ Emerald FTP integration (Such as SERV-U FTP) must be configured in order to allow customers access to their web space.
- ☞☞ Working knowledge of IIS

IIS Configuration

Copy the emersetup.asp script into an administrative web site that requires non-anonymous access and allows basic authentication. Please see your IIS documentation for more information on this task.

External System Configuration

After following the Emerald Admin documentation on configuring System types and External Systems the following options are specific to the IIS integration.

External System	
Name:	<input type="text" value="webserv7"/>
Description:	<input type="text" value="Web Server 007"/>
Export Type:	<input type="text" value="IIS Virtual Web"/>
Export Format:	<input type="text" value="Account Export"/>
Export Mode:	<input type="text" value="Append"/>
Mail Host:	<input type="text"/>
Login:	<input type="text" value="iis"/>
Password:	<input type="text" value="pass1"/>
Log File/URL:	<input type="text" value="http://webserv7.myisp.com:81/emersetup.asp"/>

Export Type - Must be set to 'IIS Virtual Web'.

Log File/URL - URL of emersetup.asp file from the 'IIS Configuration' step.

Login - NT Account with administrative access to create new accounts

Password - NT login password

Export Format - Not used

Export Mode - Not used

Mail Host - Not used

After creating your External system be sure to schedule it to run. (See the Emerald Admin documentation)

Account Configuration

After configuring a service with the appropriate service type IIS Custom Data fields appear in the 'Show Service' page. These fields must be filled in before a new web site will be created.

Custom Data	
Description	Value
Description	
Hostname	myweb.myisp.com
IP Address	
Port	8000

Description – A description of this web site to appear in the IIS Management Console. The default is to use Company name or First and Last name if the description field is not filled in.

Note: At least one of Hostname, IP Address and Port are required.

Hostname – The fully qualified hostname of this web site. Example: www.mywebsite.com. This field is required in order to create virtual domains without separate IP Addresses.

IP Address – An ip address on the local computer used to reach this web site. This IP must have already been configured on the local system.

Port – Port number to listen for incoming web requests on. The default value if none is specified is 80.

Troubleshooting

The status of account exports to IIS and any errors encountered are displayed in the scheduler task log. Most error messages will be generated from IIS and the asp script emerssetup.asp.

Common Errors

If the error messages in the scheduler log read:

```
<font face="Arial" size=2>error '8007041d'</font> <p> <font face="Arial" size=2>/emerssetup.asp</font><font face="Arial" size=2>, line 80</font>
```

Anything referencing line ~80 usually means one of the servers could not be started. Some reasons for this could be the IP Address you selected does not exist. Selected TCP port is in use by another application. The hostname you selected is already being used by another web server... The web server causing the problem will most likely be the last server in the IIS Management Console not already started. Try starting it from the Management Console to find out more about the problem and how to resolve it.

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">  
  <html dir=ltr> <head> <style> a:link {font:8pt/11pt verdana; color:FF0000}  
  a:visited {font:8pt/11pt verdana; color:#4e4e4e} </style> <META  
  NAME="ROBOTS" CONTENT="NOINDEX"> <title
```

If you see an error message looking something like the above run the scheduler in debug mode or view the scheduler logfile to read the complete contents of the error message. This usually means the URL entered for emerssetup.asp is wrong. Try entering the url from a web browser to test that the location is correct.

tcpconnect fail - Can't connect to host/socket

This means an HTTP connection could not be established to the web server. Try entering the emerssetup.asp url from a web browser to test that the location is correct.