



## Microsoft IIS Configuration Guide

*How to configure Microsoft Internet Information Services for use with Helm*

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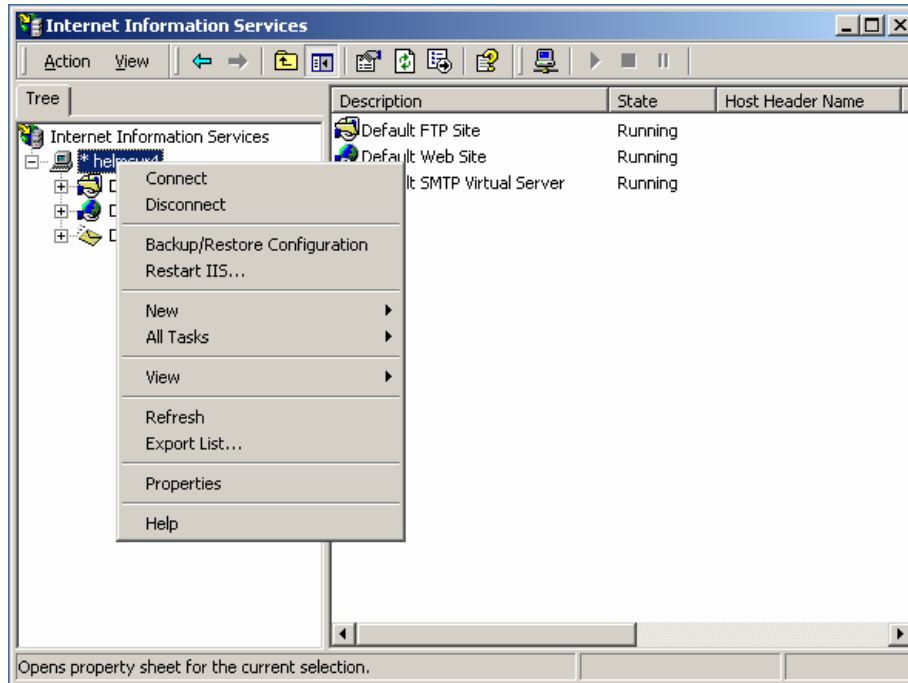
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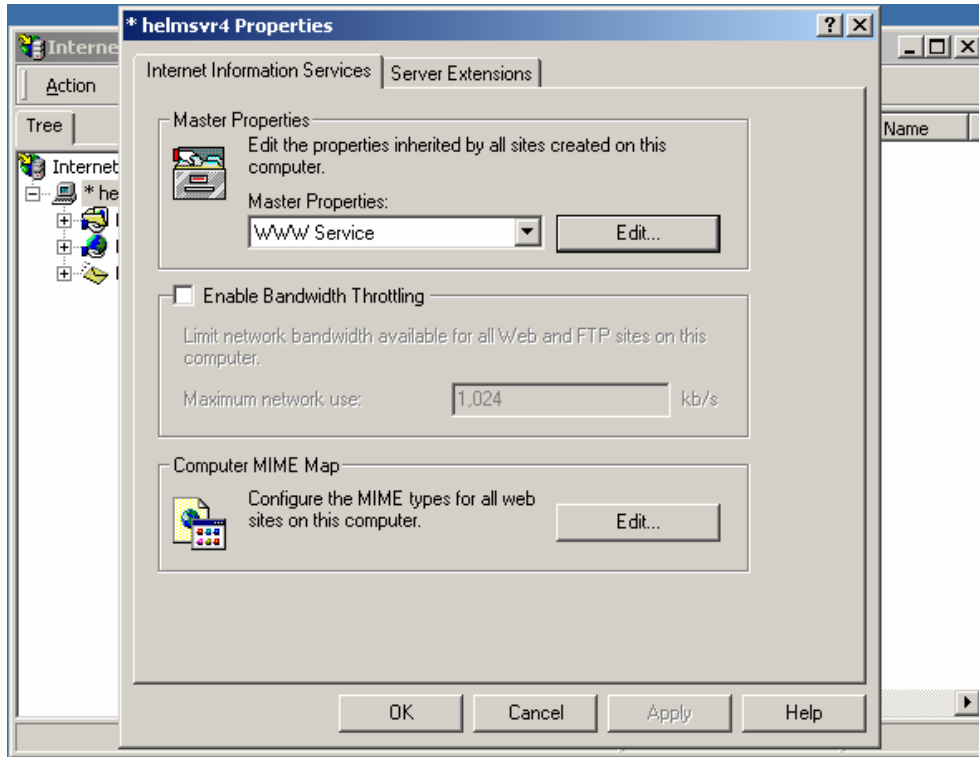
## Using Helm with Microsoft IIS 5 or 6

Helm will control IIS 5 or 6 on the control server or any remote server. Although IIS will be controlled by Helm with no additional configuration, there are some alterations that should be made to the global IIS settings to take advantage of everything Helm has to offer.

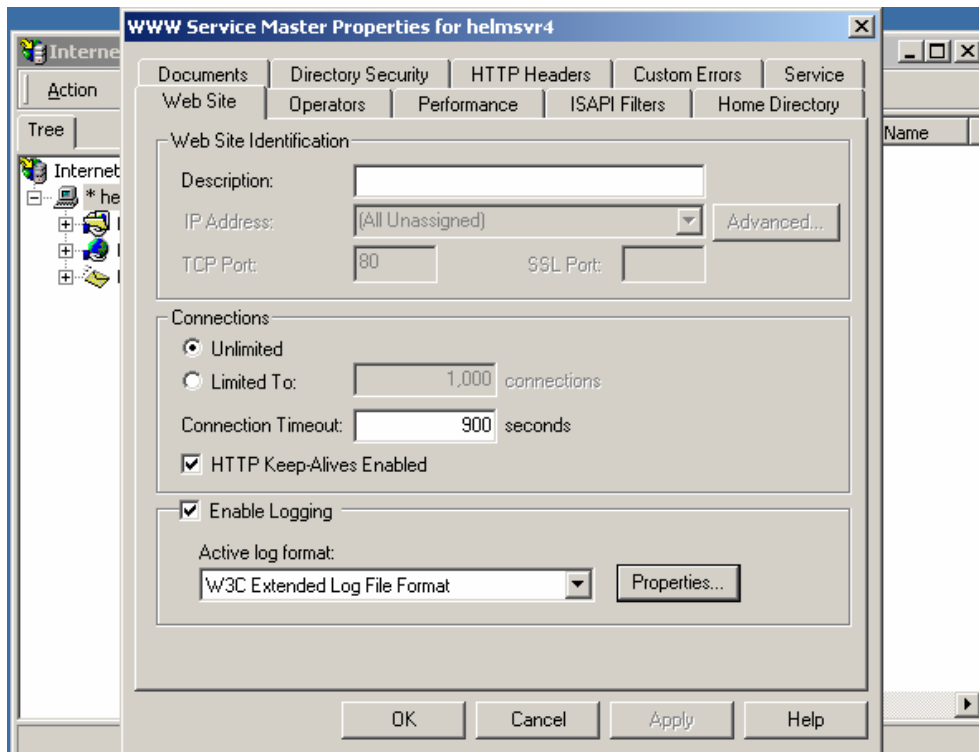
To start, run the IIS interface on the server you wish Helm to control. Right click on the server name on the left hand side of the screen and click on "Properties" on the menu that drops down.



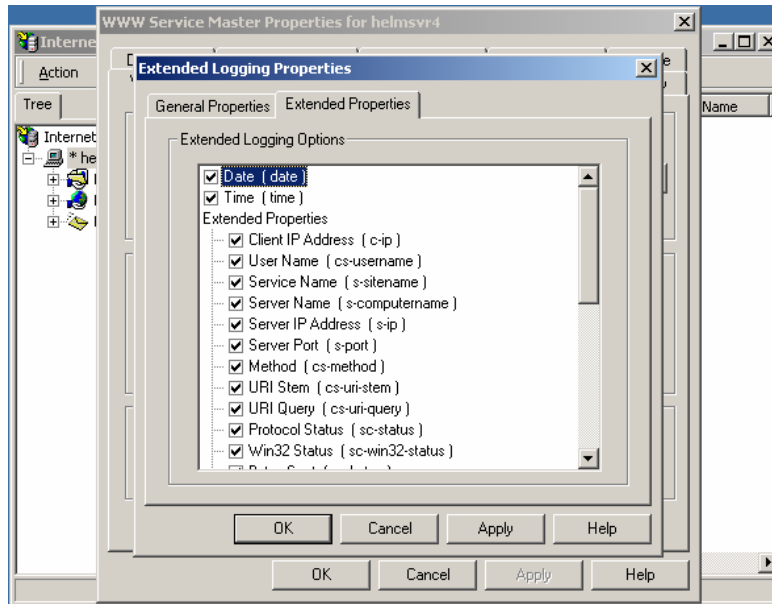
You will be presented with the initial configuration screen. The drop down box on the first screen should have selected "WWW Service" by default. Click the "Edit..." button next to the drop down box.



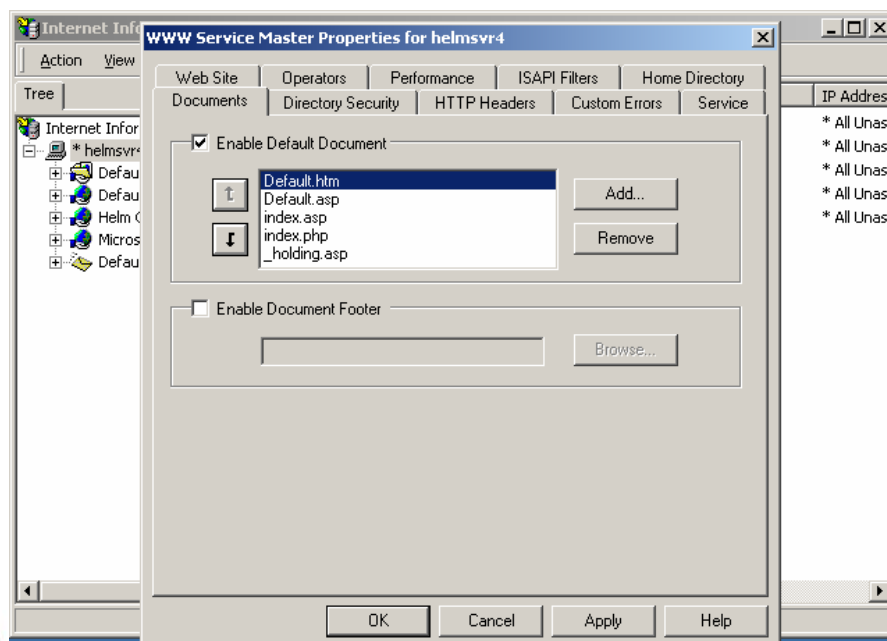
You will now be presented with the IIS global (default) settings for IIS sites. The first change to make is to the IIS log files that the websites generate. Click the "Web Site" tab and at the bottom click "Properties..." next to the drop down box called "Active log format".



Select the extended properties tab at the top of the form that appears. A number of options will be unchecked on this page. To ensure that products such as Livestats pick up the most data, and to ensure that Helm can monitor the bandwidth that web sites are using, you will need to ensure that **all** of the options are checked under the “Extended Properties” tree. Leave the “Process Accounting” unchecked as this is not used. Click “OK” to confirm the changes.



Now select the “Documents” tab from the top of the main global properties form. By default IIS only has a couple of default documents that are loaded when someone visits a web folder without specifying the folder to load. It is advised to add all of the document types that you are planning to support including any Perl, CGI, SHTML and PHP files. For Helm, you will need to add “\_holding.asp” to the bottom of the list. This is the default holding page that Helm can produce when configured to do so. Adding this to the bottom of the list will ensure that the document is shown when the user first visits the site, and that if another default document is placed into the folder then this is loaded instead of the holding page. Click “Apply” to confirm the new changes.



## Setting up an IIS Service in Helm

In Helm, go to:

**Home > System Settings > Servers > [Your Server] > Services**

Create a new service, give it a name and then choose the relevant IIS service from the dropdown box:

**Windows 2000** – choose Microsoft IIS 5

**Windows 2003** – choose Microsoft IIS 6

Click Next and you will be presented with the following screen:

The screenshot shows the 'New Service' configuration window in Helm. The server is identified as 'DEVSVR1'. The 'Friendly Name' is 'IIS 6.0 Service' and the 'Service Type' is 'WEB: Microsoft IIS 6.0'. The 'Physical Root Path' is set to 'C:\Domains'. The 'IP Address' is selected as '192.168.1.3 - (192.168.1.3)'. The 'FP Admin Username' is 'Administrator' and the 'FP Admin Password' is masked with dots. The 'FrontPage Port' is '0' and the 'Maximum Domains' is '999999999'. A note explains that a webfarm is where a domain is added to more than one server at the same time, and suggests selecting 'Do not add to web farm' if unsure. The 'Web Farm' section has three options: 'Do not add to web farm' (selected), 'Add to Default Web Service', and 'Create a new web farm' (with a text box containing 'Web Farm'). 'Back' and 'Next' buttons are at the bottom.

**Physical Root Path:-** Here you can choose the root path you want to store your domain folders in (by default it is "C:\Domains").

**IP Address:-** Here you can choose an IP from the dropdown box on which you wish the web service to communicate.

**FP Admin Username:-** Here you enter the username that you use to log into Microsoft Sharepoint with.

**FP Admin Password:-** Here you enter the password that you use to log into Microsoft Sharepoint with.

**FrontPage Port:-** This is the port that FrontPage will communicate on. You need to make sure that this port matches the port in the properties of the Microsoft Sharepoint Site in IIS. Refer to the [Microsoft FrontPage Configuration Guide](#) for more details.

**Maximum Domains:-** The maximum number of IIS sites that can be created with this service.

**Web Farm:-** Here you can specify if you want to add the service to a web farm. By default this is set to **not** add it to a web farm, so if you are not sure, leave it as default.

Once you have selected your options, click Next to save the service. If you now click the service in the list, you will see a more extensive list of options:

<b>Server Name:</b>	HELMSVR70
<b>Friendly Name:</b>	IIS 6.0 Service
<b>Service Type:</b>	Microsoft IIS 6.0
<b>Physical Root Path:</b>	C:\Domains
<b>IP Address:</b>	192.168.1.70 - (192.168.1.70) ▾
<b>Application Pool Isolation:</b>	<input type="checkbox"/>
<b>Default App Pool Name:</b>	DefaultAppPool
<b>Parking Page:</b>	_holding.htm
<b>Include Logs Usage:</b>	Yes ▾
<b>Default Write Permissions:</b>	Yes ▾
<b>ASP Path:</b>	C:\Windows\system32\inetstr\ASP.DLL
<b>ASP.NET Library Path:</b>	C:\Windows\Microsoft.NET\Framework\v1.1
<b>ASP.NET2 Library Path:</b>	C:\Windows\Microsoft.NET\Framework\v2.0
<b>Default ASP.Net Version:</b>	None ▾
<b>ASP.NET2 App Pool Name:</b>	DefaultAppPoolASP2
<b>Perl App. Path:</b>	C:\perl\bin\perl.exe
<b>Python App. Path:</b>	c:\python24\python.exe
<b>PHP 4 App. Path:</b>	C:\php\php.exe
<b>PHP 5 App. Path:</b>	C:\php5\php.exe
<b>Default PHP Version:</b>	None ▾
<b>CFusion App. Path:</b>	c:\cfusionmx\runtime\lib\wsconfig\1\run.dll
<b>CFusion * App. Map:</b>	c:\cfusionmx\runtime\lib\wsconfig\1\run_iis6
<b>Scripts Directory:</b>	c:\inetpub\wwwroot\cfide
<b>Flash Remoting Dir.:</b>	c:\cfusionmx\runtime\lib\wsconfig\1\
<b>CFusion DSN API URL:</b>	
<b>CFusion Admin Password:</b>	●●●●●●●●
<b>Shared SSL Domain:</b>	
<b>Shared SSL Folder:</b>	SSL
<b>FP Admin Username:</b>	Administrator
<b>FP Admin Password:</b>	●●●●●●●●
<b>FrontPage Port:</b>	4955
<b>Secure Folder Type:</b>	- None - ▾
<b>Secure Filter Path:</b>	
<b>Secure Folder Realm:</b>	
<b>Maximum Domains:</b>	999999999

**Application Pool Isolation:-** If you check this box, then all domains that are created thereafter will be put into their own application pool. There will be an option in the Website Settings section of each domain if you want to remove a specific domain from an application pool. See the section entitled "Application Isolation Pools" in the [Helm Administrator Guide](#) for more details.

**Default App Pool Name (Microsoft IIS 6/Windows 2003 users only):-** When Helm creates a domain, it will put it into the Windows default application pool which is called "DefaultAppPool". There's no need for most Windows administrators to change the name of this application pool. If for some reason it needs to be changed though, make sure that this field in Helm is also updated with the new name. Otherwise, just leave it as default.

**Parking Page:-** Here you can specify the name of the parking page that will be included when a domain is created if you have enabled that option – see the section entitled "Domain Settings – Customized Parking Page" in the [Helm Reseller Guide](#) for more details.

**Include Logs Usage:-** If this is set to "yes", then any log files stored in the logs folder will be included as part of the Diskusage report for a particular domain. If set to no, the Diskusage collector will not include this folder and contents in the report.

**Default Write Permissions:-** If this is set to "yes", then any domains you create will automatically have website write permissions turned on, in the Website Settings section of their Domain Menu.

**For the following paths, if you have installed them in a different location, then you will need to alter the data in the field as appropriate. If you don't have some or any of these applications installed, you can leave the fields as is – they will be ignored:**

**ASP Path:-** This is the path to your ASP DLL in Windows.

**ASP.NET Library Path:-** This is the path to your ASP.NET DLL in Windows.

**ASP.NET2 Library Path:-** This is the path to your ASP.NET2 DLL in Windows.

**Default ASP.NET Version:-** Select the version of ASP.NET you want to be installed on a domain by default when it is created, or choose "None" for none to be installed.

**ASP.NET2 App Pool Name (Microsoft IIS 6/Windows 2003 users only):-** See the next section below for a detailed explanation of running ASP.NET and ASP.NET2 Application pools simultaneously.

**Perl App. Path:-** This is the path to your Perl executable in Windows.

**Python App. Path:-** This is the path to your Python executable in Windows

**PHP 4 App. Path:-** This is the path to your PHP4 executable in Windows.

**PHP 5 App. Path:-** This is the path to your PHP5 executable in Windows.

**Default PHP Version:-** Select the version of PHP you want to be installed on a domain by default when it is created, or choose "None" for none to be installed.



**CFusion App. Path:-** This is the path to your ColdFusion application DLL.

**CFusion \* App Map:-** This is the path to your ColdFusion Wildcard mapping DLL.

Note:- If you don't want Helm to create ColdFusion wildcard mappings on your sites, type **NONE** into this field.

**Scripts Directory:-** This is the path to your ColdFusion scripts directory.

**Flash Remoting Dir:-** This is the path to your Flash remoting directory for ColdFusion.

**CFusion DSN API URL:-** This is the URL to the ColdFusion API wrapper file on your server. Refer to the [ColdFusion MX Configuration Guide](#) for more details.

**CFusion Admin Password:-** This is where you enter your ColdFusion Admin password.

**Shared SSL Domain:-** If you want to offer Shared SSL to your customers, then in here you must enter the domain in IIS that you have the SSL certificate stored on. The domain name in this field must **exactly** match the name of the domain in IIS. For instance, if you have installed the certificate on "mysecuredomain.com" then you must enter **mysecuredomain.com** into this field and **NOT** [www.mysecuredomain.com](#) or other variants.

**Shared SSL Folder:-** This is the name of the folder that will be created in the domain folder of any customer that installs SSL on their domain.

**FP Admin Username/Password/Port:-** Here you enter the username and password that you use to log into Microsoft SharePoint with and the port that FrontPage will communicate on. You need to make sure that this port matches the port in the properties of the Microsoft SharePoint Site in IIS. Refer to the [Microsoft FrontPage Configuration Guide](#) on the WebHost Automation site for more details.

**Secure Folder Type/Path/Realm:-** These three options are related to Secure Folders. Depending on whether you have installed URL Protector or IIS Password, you will need to select the appropriate option from this dropdown box. Note:- Helm does not come with either piece of software, you will need to install it separately. For more details, refer to the [IIS Password Configuration Guide](#), or the [URL Protector Configuration Guide](#) – both downloadable from the WebHost Automation site.

## Setting up an IIS Resource in Helm

You now need to add this service into your Web Resource so that Helm will use it when creating websites.

To do this, go to:

**Home > System Settings > Resource Setup > [Your Web Resource]**

If you haven't got a Web Resource, click "Add New" on this screen to go through the wizard to add one. In your Web Resource you will see two boxes. At the bottom is where your Services are grouped together:



### Resource Details

Use the form below to update the selected resource. Updating the resource will affect any NEW domains that are set up using this resource. Previous domains will remain unaffected.

**Default Web Resource**

**Resource Name:**

**Resource Type:** Web

**Distribution Type:**  ▼

Priority distribution to web server (recommended)

**Service Name**

Default Web Service

As seen above, you may already have a service in there belonging to a different server – this is fine; by adding the new IIS service into this resource, Helm will then balance websites between the new service and any existing services (and the servers they reside on) automatically. Click "Add New" to add a new service to this resource. You now need to select the IIS service you just added and click Save:



## Add Service Group

Use the form below to add a new service group to the selected resource. Updating the resource will affect any NEW domains that are set up using this resource. Previous domains will remain unaffected.

### Default Web Resource

**Resource Type:** Web

**Service Group:**

- Default Web Service
- IIS 5.0 Service on devsvr1
- IIS - 71 on HelmSVR71
- IIS 6.0 Service on HELMSVR70**

If the resource was already there before you added the service, then your configuration is now complete.

However, if you created the mail resource from scratch, you will now need to propagate the resource down through all of your plans and packages by going into each plan and going to Resource Limits, then Mail Resources. You then need to make sure that the resource is both **enabled** and **selected** from the dropdown box, as below:

### Sample Reseller Plan

Enable Web Resource

**System Resource:** Default Web Resource ▾

**ODBC DSNs:** 999999999

**Sub Domains:** 999999999

**ASP:** 999999999 domains

**ASP.NET:** 999999999 domains

**ASP.NET 2:** 999999999 domains

**Perl:** 999999999 domains

**PHP 4:** 999999999 domains

**PHP 5:** 999999999 domains

**Python:** 999999999 domains

**CGI-BIN:** 999999999 domains

**ColdFusion:** 999999999 domains

**ColdFusion DSNs:** 999999999 domains

**FrontPage Webs:** 999999999 domains

**Virtual Directories:** 999999999 domains

**Shared SSL:** 999999999 domains

**Secure Folders:** 999999999 domains

**Allow Web Forwarding:** Enabled ▾

**Allow Parent Paths:** Enabled ▾

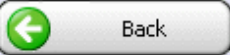

**Allow Website Permissions:** Enabled ▾

**Default Docs:** Enabled ▾

**Custom Error Pages:** Enabled ▾

**MIME Type Editor:** Enabled ▾

**File Manager:** Enabled ▾

 Back  Save

You can set the limits to be whatever you desire for that plan. Once you've done this for all of your plans and packages, configuration is complete.

## ASP.NET and ASP.NET2 Application Pools

Please Note:- Application Pools are only supported in IIS 6 on Windows 2003 onwards. IIS 5/Windows 2000 servers cannot use Application Pooling.

When Helm sets up a domain, it puts it into the Default Windows Application Pool called "DefaultAppPool".

By default, it is assumed that you will **not** be running the ASP.NET and ASP.NET2 frameworks alongside each other. Each framework needs to sit in its own Application Pool to run, so in Helm if both the ASP.NET and ASP.NET2 App Pool Name fields are the same, then you can only run one framework or the other – not both.

If you do want to run both simultaneously, then you will need to create a new Application Pool for ASP.NET2. To do this, follow these instructions:

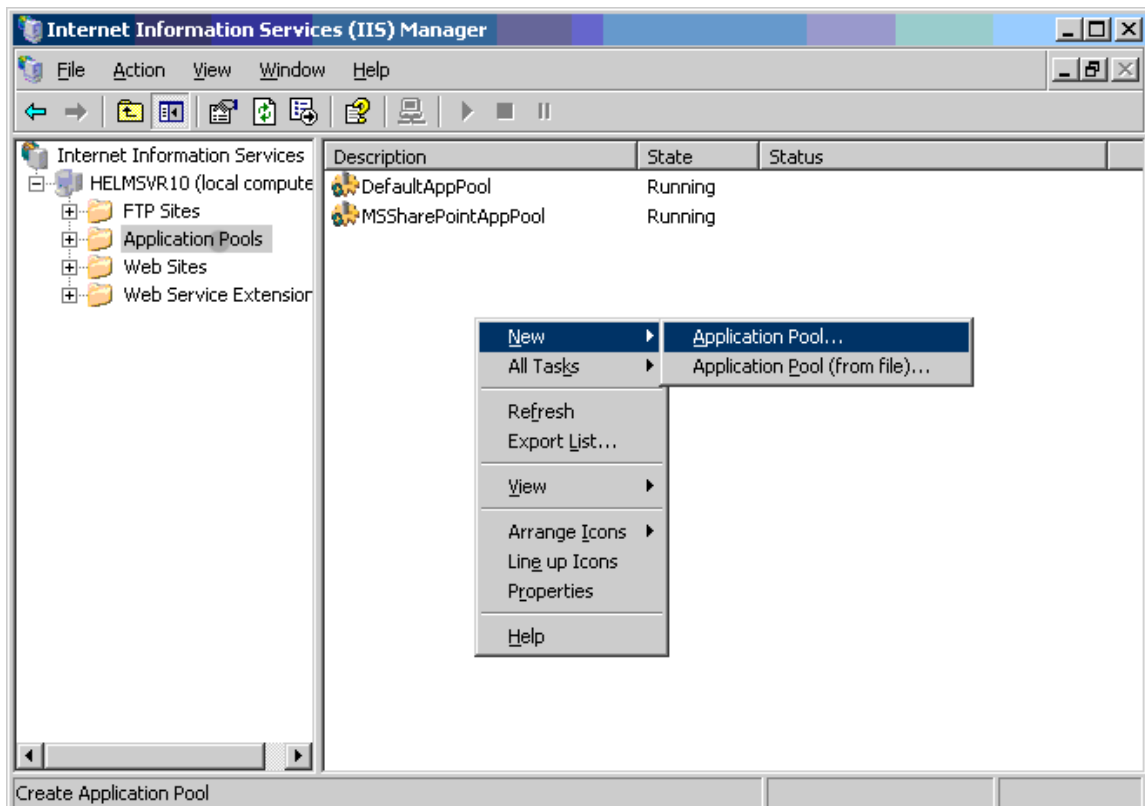
1.) Open IIS 6 by going to:

Start > Programs > Administrative Tools > Internet Information Services (IIS)

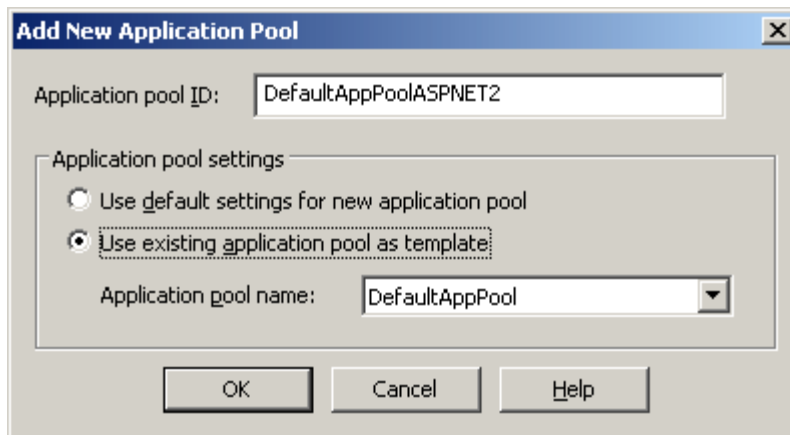
Then expand the tree click on Application Pools in the left-hand pane.

2.) In the right-hand pane, right-click in a blank area and choose

**New > Application Pool** (as below):



3.) In the new window that pops up, call the Application Pool something relevant, such as "DefaultAppPoolASPNet2". Then click the radio button marked "Use existing application pool as template" and in the dropdown box, select "DefaultAppPool".



IIS is now set up with a new Application Pool. All you need to do now is go into the IIS Service in Helm once again, and change the ASP.NET2 App Pool Name to be the same as the new one you have just created:

**ASP.NET2 App Pool Name:** DefaultAppPoolASPNE

Once you have made the required changes, click "Save" to complete the IIS Service configuration.

Don't forget – if you want to offer ASP.NET2 or Python installations to your resellers and users, you will need to increase the amount of installations available in their plans and packages. When you first set up ASP.NET2, the amount is set to 0 by default, so you just need to change it to whatever you require:

Home > Reseller Plans > Sample Reseller Plan > Plan Resources > Web Resources - [ [Help](#) | [Log Off](#) ]



## Plan Resources

Below are the resources that have been assigned to this plan. All packages that created from this plan will inherit the values below.

### Sample Reseller Plan

Enable Web Resource

**System Resource:** Default Web Resource ▼

**ODBC DSNs:** 999999999

**Sub Domains:** 999999999

**ASP:** 999999999 domains

**ASP.NET:** 999999999 domains

**ASP.NET 2:** 0 domains

**Perl:** 999999999 domains

**PHP:** 999999999 domains

**Python:** 0 domains

**CGI-BIN:** 999999999 domains

**ColdFusion 5/MX:** 999999999 domains

**FrontPage Webs:** 999999999 domains

**Virtual Directories:** 999999999 domains

**Shared SSL:** 999999999 domains

**Secure Folders:** 999999999 domains

**Custom Error Pages:** Enabled ▼

**MIME Type Editor:** Enabled ▼

**File Manager:** Enabled ▼

← Back
Save →