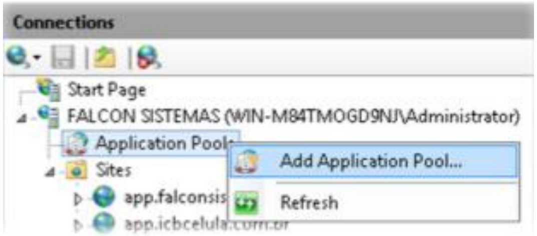
Publishing your application on the IIS - ISAPI Module

In this step by step I will demonstrate how I host my applications, however it is at your discretion the way you want to host your applications in IIS.

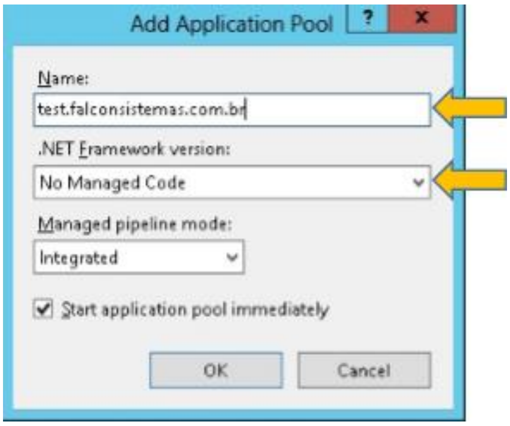
For this example IIS8 was used.

Open the IIS manager and I have added the Application Pool first, it is responsible for managing your application, being an instance of w3wp.exe:



Tip * Use only a single application pool per application.

By default my application pool name is the address of my website, and in .NET Framework check the No Managed Code option, because applications in uniGui do not have .NET managed code.



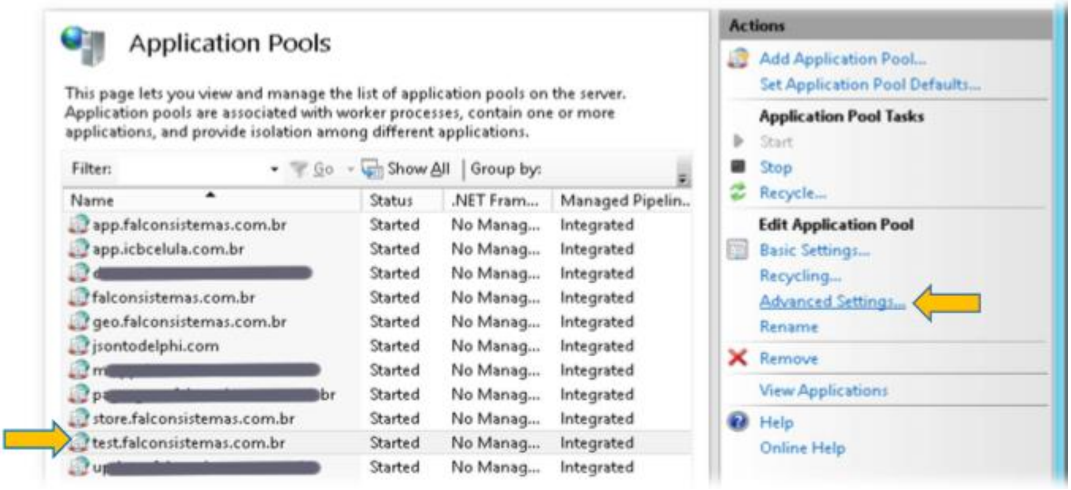
Name:
test.falconsistemas.com.br

.NET Framework version:
No Managed Code

Managed pipeline mode:
Integrated

☑ Start application pool immediately

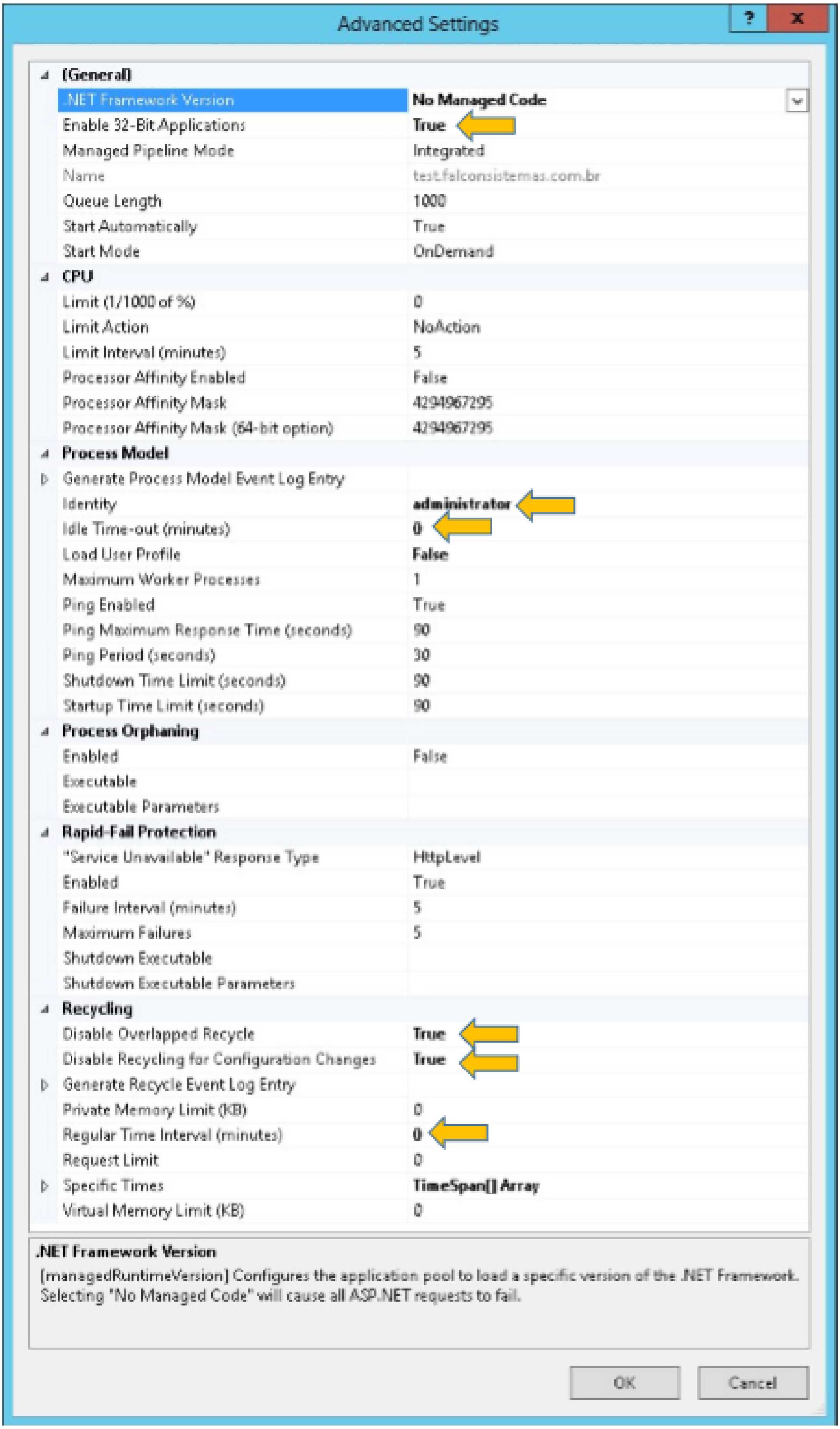
After creating your application pool you should go in the advanced settings



Application Pools

This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.

Name	Status	.NET Fram...	Managed Pipelin...
app.falconsistemas.com.br	Started	No Manag...	Integrated
app.icbcelula.com.br	Started	No Manag...	Integrated
[redacted]	Started	No Manag...	Integrated
falconsistemas.com.br	Started	No Manag...	Integrated
geo.falconsistemas.com.br	Started	No Manag...	Integrated
jsontodelphi.com	Started	No Manag...	Integrated
[redacted]	Started	No Manag...	Integrated
[redacted]	Started	No Manag...	Integrated
store.falconsistemas.com.br	Started	No Manag...	Integrated
test.falconsistemas.com.br	Started	No Manag...	Integrated
[redacted]	Started	No Manag...	Integrated



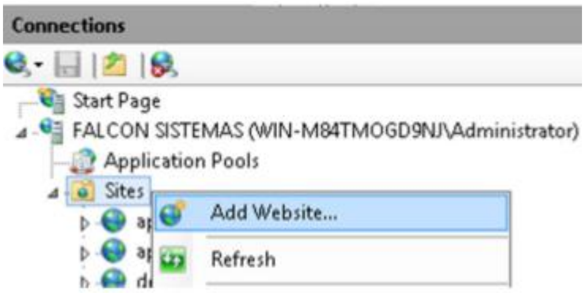
(General)	
.NET Framework Version	**No Managed Code**
Enable 32-Bit Applications	**True**
Managed Pipeline Mode	Integrated
Name	test.falconsistemas.com.br
Queue Length	1000
Start Automatically	True
Start Mode	OnDemand
CPU	
Limit (1/1000 of %)	0
Limit Action	NoAction
Limit Interval (minutes)	5
Processor Affinity Enabled	False
Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit option)	4294967295
Process Model	
Generate Process Model Event Log Entry	
Identity	**administrator**
Idle Time-out (minutes)	**0**
Load User Profile	**False**
Maximum Worker Processes	1
Ping Enabled	True
Ping Maximum Response Time (seconds)	90
Ping Period (seconds)	30
Shutdown Time Limit (seconds)	90
Startup Time Limit (seconds)	90
Process Orphaning	
Enabled	False
Executable	
Executable Parameters	
Rapid-Fail Protection	
"Service Unavailable" Response Type	HttpLevel
Enabled	True
Failure Interval (minutes)	5
Maximum Failures	5
Shutdown Executable	
Shutdown Executable Parameters	
Recycling	
Disable Overlapped Recycle	**True**
Disable Recycling for Configuration Changes	**True**
Generate Recycle Event Log Entry	
Private Memory Limit (KB)	0
Regular Time Interval (minutes)	**0**
Request Limit	0
Specific Times	**TimeSpan[] Array**
Virtual Memory Limit (KB)	0

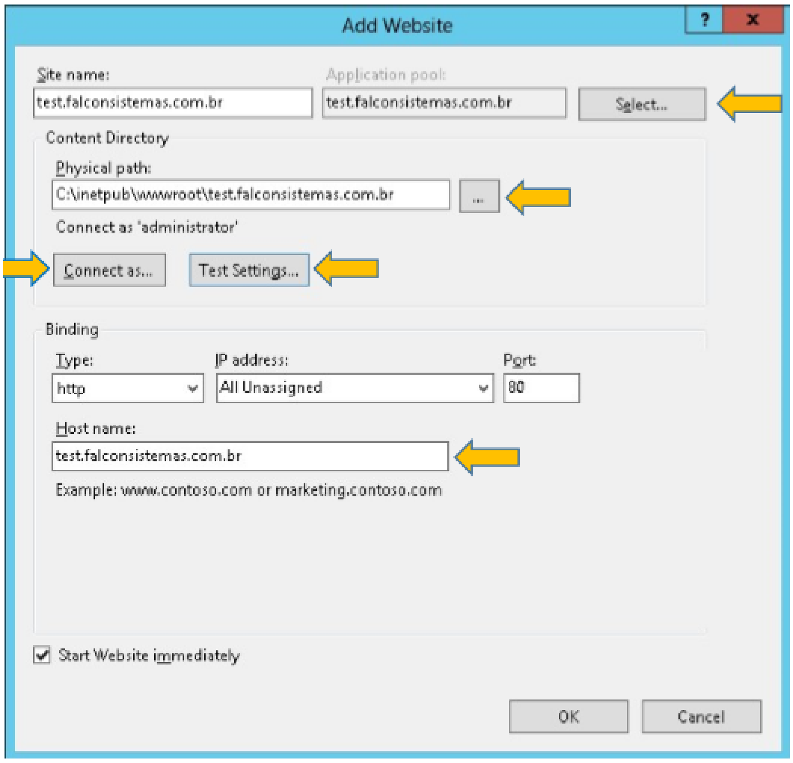
.NET Framework Version

[managedRuntimeVersion] Configures the application pool to load a specific version of the .NET Framework. Selecting "No Managed Code" will cause all ASP.NET requests to fail.

- In Enable 32-Bit Applications, you will only set false if you have developed your application in 64 Bit.
- In identity you should add a user with access to server resources, in this case I am adding the administrator who has full access, but this depends on your security policy.
- In Idle Time-out (minutes), it should always be 0, by default it comes with 20 minutes, ie if your application is idle (no access request) it will restart every 20 minutes, setting 0 it will never be restarted by IIS, who controls the session time is uniGui itself.
- In Disable Overlapped Recycle and Disable Reclyng Configuration Changes, the options should be set to True, because if it is False, any changes that your application pool has will restart your application.
- In Regular Time Interval (minutes), it should also be 0 (never recycle the application pool), by default it comes from 1740, that means that every 1740 minutes your application will be recycled (rebooted).

After setting up the application pool we will configure the site, uniGui manual, here we will create a new site for our application (here also I use for each application a new site):





Site name: test.falconsistemas.com.br

Application pool: test.falconsistemas.com.br

Physical path: C:\inetpub\wwwroot\test.falconsistemas.com.br

Connect as 'administrator'

Type: http

IP address: All Unassigned

Port: 80

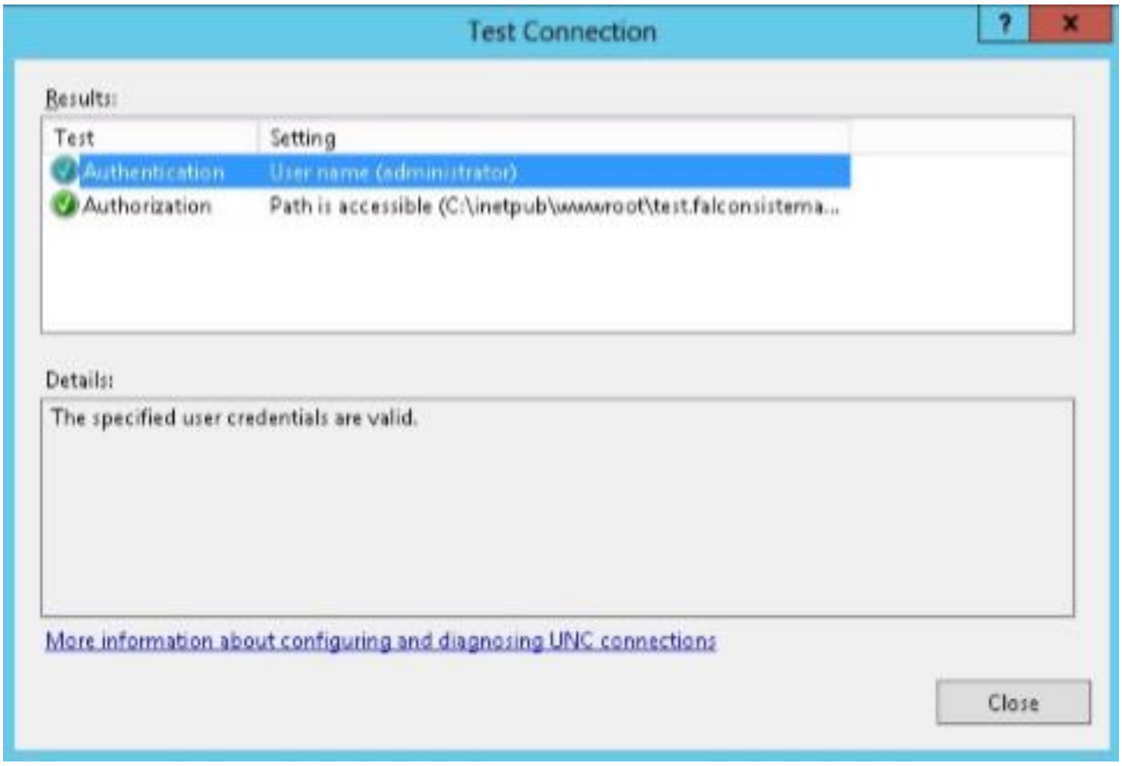
Host name: test.falconsistemas.com.br

Example: www.contoso.com or marketing.contoso.com

☑ Start Website immediately

In the Select ... button you will select the application pool you just created:

In Physical Path, you will add the directory where your application is, by default the applications are created in C: \ inetpub \ wwwroot, however you can define another directory. On the Connect as ... button you will define a user who has access to the server resources, eg access to the folders. Soon after you will make sure the informed user has passed the tests tests in Settings Settings ....



Results:

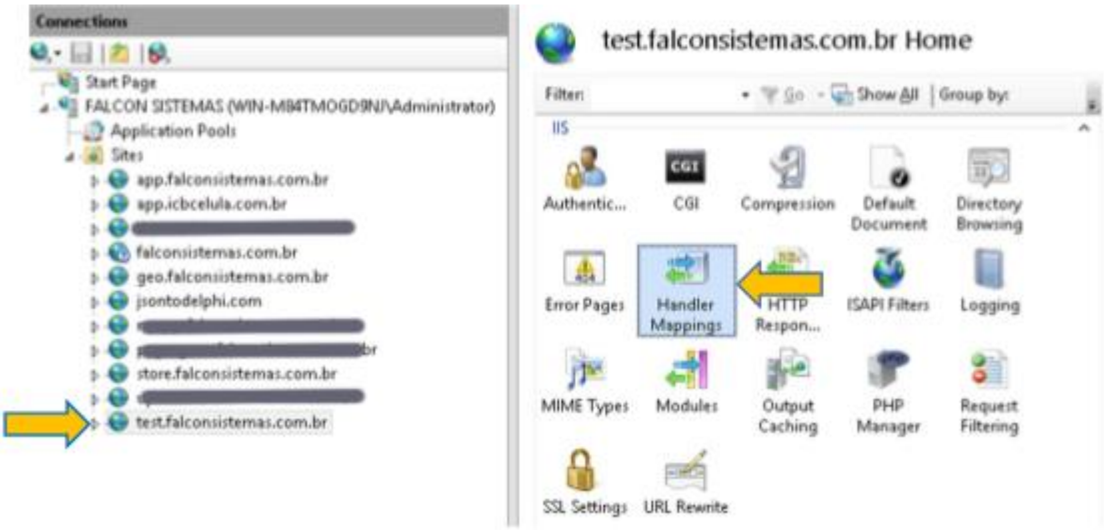
Test	Setting
✓ Authentication	User name (administrator)
✓ Authorization	Path is accessible (C:\inetpub\wwwroot\test.falconsistema...

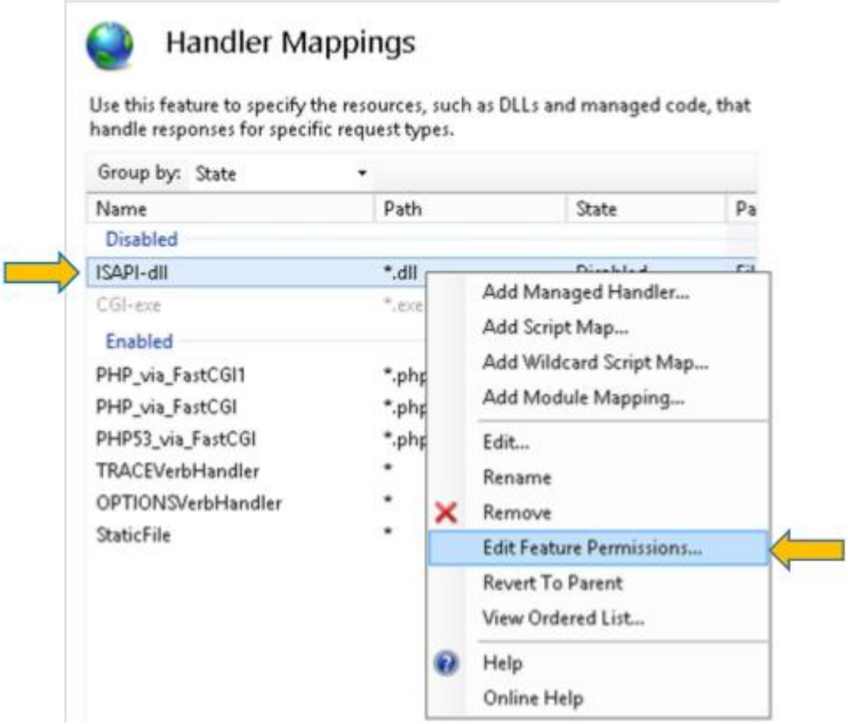
Details:

The specified user credentials are valid.

More information about configuring and diagnosing UNC connections

By default I always use the default port for my applications, Port 80, and for there to be no conflict on this port with my other applications that also use port 80 I define Host Name. With this I can use all my applications on port 80, (who manages this control is IIS). After completing this step, select your site, we will now enable the ISAPI module on your site:



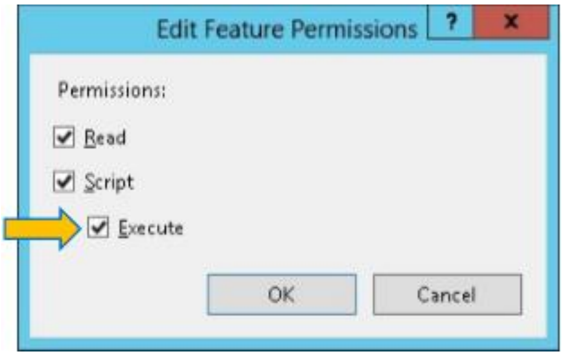


Handler Mappings

Use this feature to specify the resources, such as DLLs and managed code, that handle responses for specific request types.

Group by: State

Name	Path	State	Pa
Disabled			
ISAPI-dll	*.dll	Disabled	Fil
CGI-exe	*.exe		
Enabled			
PHP_via_FastCGI1	*.php		
PHP_via_FastCGI	*.php		
PHP53_via_FastCGI	*.php		
TRACEVerbHandler	*		
OPTIONSVerbHandler	*		
StaticFile	*		



Edit Feature Permissions

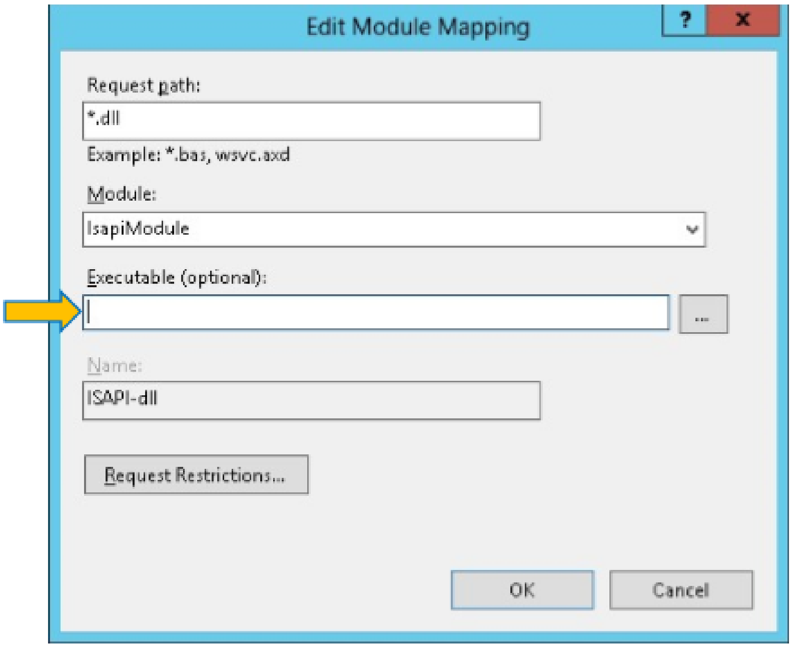
Permissions:

☑ Read

☑ Script

☑ Execute

After you have enabled the ISAPI-dll module, double click to open this screen:



Edit Module Mapping

Request path:

*.dll

Example: *.bas, wsvc.axd

Module:

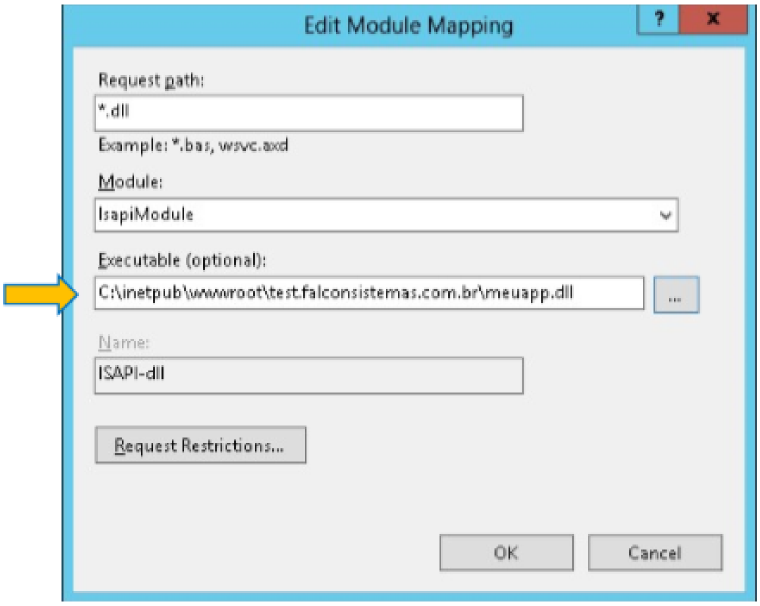
IsapiModule

Executable (optional):

Name:

ISAPI-dll

One important point I always make, is to add my dll exclusively to this site in Executable (optional):



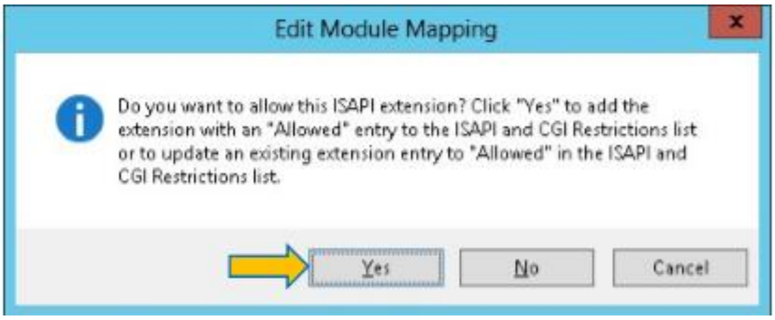
Request path: *.dll

Example: *.bas, wsvc.axd

Module: IsapiModule

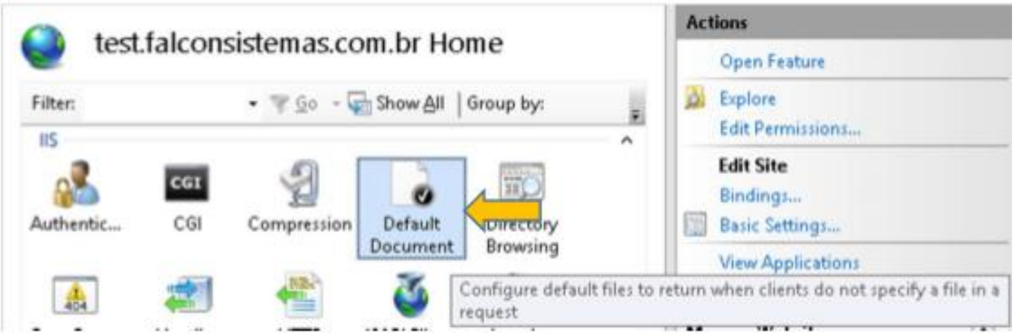
Executable (optional): C:\inetpub\wwwroot\test.falconsistemas.com.br\meuapp.dll

Name: ISAPI-dll

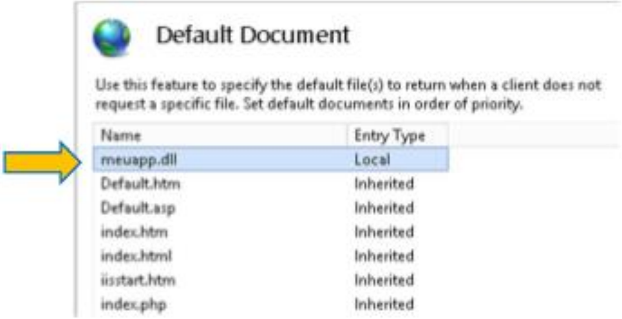


Do you want to allow this ISAPI extension? Click "Yes" to add the extension with an "Allowed" entry to the ISAPI and CGI Restrictions list or to update an existing extension entry to "Allowed" in the ISAPI and CGI Restrictions list.

Let's now add the name of the dll by default on our site, this avoids having to be adding the name of the dll in the url to access:



Configure default files to return when clients do not specify a file in a request

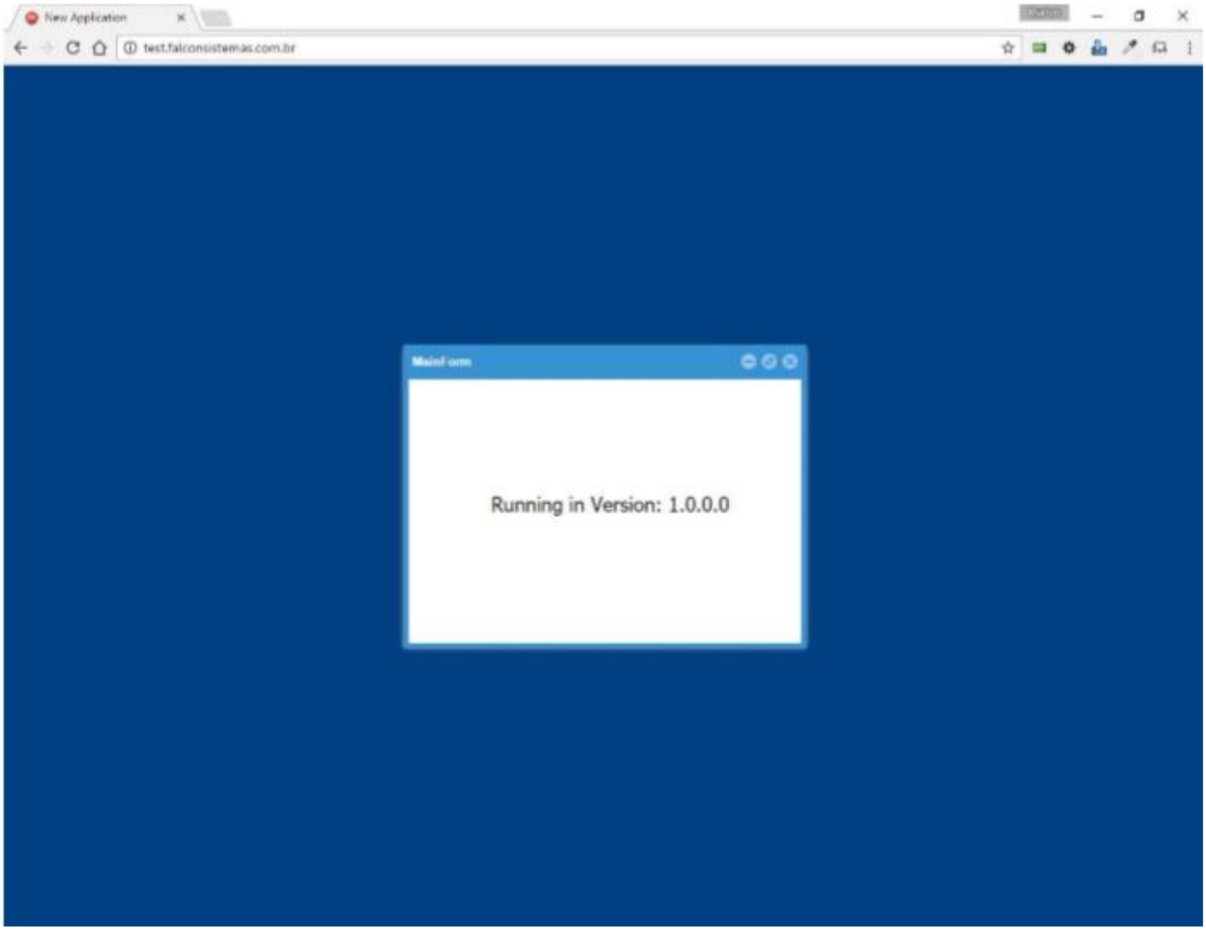


Use this feature to specify the default file(s) to return when a client does not request a specific file. Set default documents in order of priority.

Name	Entry Type
meuapp.dll	Local
Default.htm	Inherited
Default.asp	Inherited
index.htm	Inherited
index.html	Inherited
iisstart.htm	Inherited
index.php	Inherited

With this we finish our configuration, just access the address:

http://test.falconsistemas.com.br



Running in Version: 1.0.0.0