APS.CSharp.Runtime

APS Runtime for windows environments, using C# Technologies.

The APS.CSharp.Runtime enables the usage of endpoints in IIS servers, using any port, any url.

With the support of the APS.CSharp.Runtime.SDK will help you to develop endpoints to windows faster and easier, with the help of powerful debugging possibilities and easy to deploy.

# Tracing

To enable tracing of the endpoint you need to edit the web.config of your site.

The following section should be added to the web.config

<configuration>

<...>

<system.diagnostics>

<trace autoflush="true" indentsize="4" >

<listeners>

<add name="APSCSharpEndpointTraceListener" type="APS.CSharp.Runtime.APSCSharpEndpointTraceListener, APS.CSharp.Runtime" initializeData="C:\APS.CSharp.Runtime\Logs\ASPCSharpRuntime.log" />

<remove name="Default" />

</listeners>

</trace>

</system.diagnostics>

<...>

</configuration>

Note: On the field “initializeData” you can select the path where the log file will be placed.

# Developing

Start a new “Class Library” type project.

Add Reference to “APS.CSharp.SDK” library.

## Defining the Endpoint entry

Open “Properties” folder

Double click in the “AssemblyInfo.cs” file

Set the endpoint entry in the following section:

[assembly: AssemblyConfiguration("<entrypoint>")]

You application endpoint will be defined in this string, and read by the APS.CSharp.Runtime.

## Creating Resources

Start with your “Application” resource, creating a new class and providing the name of your application resource.

## Custom methods

### Param Attribute

The Param attribute is used to specify the necessary information about the input parameters of the custom method.

Example:

[Param(Name = "arg1QueryString", Source = ParamSource.Query, Type = typeof(string))]

[Param(Name = "arg2QueryString", Source = ParamSource.Query, Type = typeof(string))]

public int customMethod1(string arg1QueryString, string arg2QueryString)

Note: The order of the Param attribute is important and must be exactly the same as the input parameters of the custom method.