SIF 3.0 Framework (.NET)

Version 1.0.0

Enabling Simple SIF

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# Introduction

Simple SIF is an initiative proposed to enable easier adoption of SIF 3.0. This initiative focuses on “quick” client access to SIF-defined objects supplied by one or more services. As the Sif3Framework inherently encapsulates much of this implementation, this initiative is aimed mainly towards Consumers that are not based upon the Sif3Framework.

# Payload free environment creation

As per the Simple SIF specification, the Sif3Framework supports the creation (via POST request) of an environment without a payload.

# Defining MIME type using URL postfix extension

This section defines how to configure a service to accept the MIME Type for a response using a postfix extension on the URL request. As it is easier to perform this task using Web API configuration settings rather than code, this section will detail the configuration changes required for a Provider to achieve this functionality.

## WebApiConfig.cs

Add a new route that includes the postfix extension.

config.Routes.MapHttpRoute(

name: "UriPathExtensionApi",

routeTemplate: "api/{controller}.{ext}/{id}",

defaults: new { id = RouteParameter.Optional }

);

## Global.asax.cs

Update the Web API configuration to recognise the postfix extension, and to map known extensions to particular MIME Types.

GlobalConfiguration.Configuration.Formatters.JsonFormatter.AddUriPathExtensionMapping

("json", "application/json");

GlobalConfiguration.Configuration.Formatters.XmlFormatter.AddUriPathExtensionMapping

("xml", "text/xml");

## Web.config

Register the appropriate IIS module that manages the routing of requests inside of Web API (to handle postfix extensions).

<modules>

<remove name="UrlRoutingModule-4.0" />

<add name="UrlRoutingModule-4.0" type="System.Web.Routing.UrlRoutingModule" preCondition="" />

</modules>