



WebAPIv3_OpenAPI

Home

- Getting Started
- About

Web API v3

- Overview
- Example Model
- Example API Usage
- Actions and Functions
- Service Diagnostics

OpenAPI Support

iHub Sandbox

Neo4J

- Overview
- Local DB Instance
- Running DAL unit tests

Redis

Overview

Coding Guides

- Coding Guides
- Querying Access Groups
- BI Service Method Information
- Graph Expansion
- EM specific configuration
- Multithreading
- DynamicQuery

WCF Services

- WCF Web Config Entries
- WCF Services Unit Tests
- WCF Services
- WCF Services Change Notes
- WCF Services Architecture


DAL

- Layers of the DAL
- How does Criteria function
- SPF DAL SQL Layer
- How do Graph Expansions work
- Custom SQL queries in the Core layer
- Using the Dynamic Query Layer

Authorization

- OAuth external application

Site Contents

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OpenApi / Swagger Support

What is the OpenAPI Specification (OAS)?

The OpenAPI Specification (OAS) defines a standard, language-agnostic interface to RESTful APIs which allows both humans and computers to discover and understand the capabilities of the service without access to source code, documentation, or through network traffic inspection. When properly defined, a consumer can understand and interact with the remote service with a minimal amount of implementation logic.

An OpenAPI definition can then be used by documentation generation tools to display the API, code generation tools to generate servers and clients in various programming languages, testing tools, and many other use cases.

Web.Config Configuration Changes

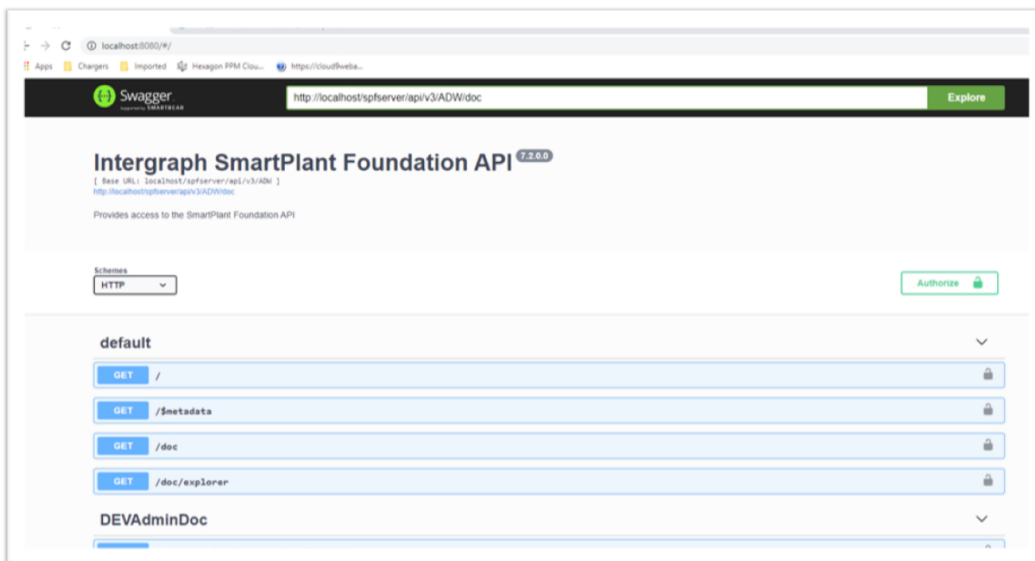
SPF Server Web.config changes required to enable OpenAPI support on specific service end-points:

```
<intergraph.webApi>
  <security>
    <oauth issuer="http://{Server}/{Site}/spauthentication/oauth" requiredScopes="ingr.api" />
    <cors allowedOrigins="*" allowedMethods="*" allowedHeaders="*" exposedHeaders="*" allowCredentials="true" preflightMaxAge="600" />
  </security>
  <services baseUrl="">
    <service prefix="api/v2" id="EE9C5479-A52E-4D11-80AE-BFDDCE9A603F" secret="" instance="" />
    <service prefix="api/v3" id="EE9C5479-A52E-4D11-80AE-BFDDCE9A603E" secret="" instance="" />
  </services>
  <documentation enableSwaggerUi="true"
    clientId="7644832A-29E2-4F9E-AE41-99E1D4032D74"
    clientSecret=""
    navigationPropertyBehavior="NoExpand"
    traverseLevel="2" />
</intergraph.webApi>
```

Open API URL examples:

<http://{Server}/{Site}/api/v2/SDA/doc>
<http://{Server}/{Site}/api/v3/ADW/doc>

Example Swagger-UI Rendering



Note: The implementation of DI-AM-165143 "SDx OData CSDL/OpenAPI support to allow generation of valid documents" means that the underlying CSDL and OpenAPI documents have valid syntax and can be loaded into tools such as Azure APIM Gateway.