Last modified at 2/11/2020 11:30 AM by
FOSTER Mark [Edit this page]

SHARE A FOLLOW



WebAPIv3_ActionsFunctions

Home Getting Started

Web API v3

Overview

Example Model

Example API Usage

Actions and Functions Service Diagnostics

OpenAPI Support

iHub Sandbox

Overview

Local DB Instance

Running DAL unit tests

Overview

Coding Guides

Codina Guides

Querying Access Groups

BI Service Method

Graph Expansion

configuration MutiThreading

DynamicQuery

WCF Services

WCF Web Config Entries

WCF Services Unit Tests WCF Services

WCF Services Change

WCF Services

Architecture

Layers of the DAL

How does Criteria function

SPF DAL SQL Layer

How do Graph

Custom SQL queries in the Core laye

Using the Dynamic

Query Laver Authorization

OAuth external application Site Contents

About

Actions and Functions

Server Procedures are exposed with the ExposedService attribute, which marks methods, within assemblies. These are dynamically referenced when the EDM model is constructed, the values of the attribution will

```
Page Rating
☆☆☆☆☆ | 0
Categories
No categories were selected
```

```
[ExposedService(ExposedServiceType.Action, "TestActionV3", UID: "SP TestActionV3", includeAtRoot: true, Version = Enum.ServicesVersion.V3)]
public void TestActionV3()
[ExposedService(ExposedServiceType.Function, "TestFunctionV3", UID: "SP_TestFunctionV3", includeAtRoot: true, Version * Enum.ServicesVersion.V3)]
public bool TestFunctionV3()
   return true;
[ExposedService(ExposedServiceType.Function, "TestUnboundFunctionV3", UID: "SP_TestUnboundFunctionV3", includeAtRoot: true, Version = Enum.ServicesVersion.Any, IsAsync = true, IsComposable = false)]
public bool TestUnboundFunctionV3()
   return true:
[ExposedService(ExposedServiceType.Function, "TestUnboundArgFunctionV3", UID: "SP_TestUnboundArgFunctionV3", includeAtRoot: true, Version = Enum.ServiceSVersion.Any, IsAsync = true, IsComposable = false)]
public bool TestUnboundArgFunctionV3(string opt1)
```

The metadata will reflect these entries and will show

- An OData Action or Function
- Whether the Action/Function is bound to an EntityType
- Any parameters the Action/Function requires
- The return type of the Action/Function

```
</Function>
```

The following example load file shows how Actions and Functions relating to Server Procedures can be defined in the model.

<Container>

- Define Server Procedures -->

<SPFAPIServerProcedure>

```
<IObject UID="SP_TestActionV3" Name="TestActionV3" />
<ISPFAPIServerProcedure />
  <ISPFAdminItem />
</SPFAPIServerProcedure
<SDEADTServerProcedure>
  <IObject UID="SP_TestFunctionV3" Name="TestFunctionV3" />
  <ISPFAPIServerProcedure />
  <ISPFAdminItem />
</SPFAPIServerProcedure
  <IObject UID="SP TestUnboundFunctionV3" Name="TestUnboundFunctionV3" />
  <ISPFAPIServerProcedure />
  <ISPFAdminItem />
</SPFAPIServerProcedure>
<SPFAPIServerProcedure>
  <IObject UID="SP_TestUnboundArgFunctionV3" Name="TestUnboundArgFunctionV3" />
<ISPFAPIServerProcedure />
  <ISPFAdminItem />
</speaklines
<-- Relate Server Procedures to an API Group -->
  <IObject UID="APIG_ADW.SP_TestActionV3" />
  <ISchemaObi />
   <IRel UID1="APIG_ADW" DefUID="SPFAPIGroupServerProcedure" UID2="SP_TestActionV3" OrderValue="1000" />
</Rel>
  <IObject UID="APIG_ADW.SP_TestFunctionV3" />
  <ISchemaObj /
  <IRel UID1="APIG_ADW" DefUID="SPFAPIGroupServerProcedure" UID2="SP_TestFunctionV3" OrderValue="1000" />
</Rel>
  <IObject UID="APIG_ADW.SP_TestUnboundFunctionV3" />
  <IRel UID1="APIG_ADW" DefUID="SPFAPIGroupServerProcedure" UID2="SP_TestUnboundFunctionV3" OrderValue="1000" />
</Rel>
  <IObject UID="APIG_ADW.SP_TestUnboundArgFunctionV3" />
```