

# Technical: REST API Update

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# Agenda

- Quick glance at the “vintage” iMIS SDK site
- Walkthrough of the new iMIS SDK site
- .NET code examples and REST API reference
- Additional development resources

# Vintage iMIS SDK

The screenshot shows a web browser window with the address bar displaying `help.imis.com/SDK`. The page title is "iMIS SDK". On the left, there is a "Contents" sidebar with a search bar and a list of links. The main content area is titled "iMIS SDK Developer Guide" and contains introductory text and a table of contents.

**iMIS SDK Developer Guide**

The iMIS software development kit (SDK) provides a secure set of web services for accessing the iMIS platform, across the organization, across different physical locations, and even across organizational boundaries.

This documentation contains the following sections and supports iMIS versions 20.2.26 (iMIS 20-300), 100.1.65 (iMIS 20-100 and iMIS 20-200), and later versions, unless a specific environment is specified.

*Note:* There are several online and classroom-based technical training classes available for the iMIS SDK, for example, the [Introduction to iMIS SDK \(iParts, SOA, and iBO\)](#). For information about the available SDK classes, see the [ASI Training Courses \(Technical Focus tab\)](#).

Section	Description
<a href="#">Getting Started</a>	Provides general information about iMIS SOA and REST
<a href="#">Working with iMIS SOA</a>	Describes important concepts for developing with SOA, including a list of the addressable primary entities
<a href="#">Working with Dynamic Content Items (iParts)</a>	Describes how to create new iParts
<a href="#">Tutorial Examples</a>	Provides conceptual tutorial examples using SOA and iMIS
<a href="#">Glossary</a>	Describes some terminology used in ASI web services
<a href="#">.NET Examples</a>	Provides C# examples pulled directly from ASI's automated test suite
<a href="#">PHP Examples</a>	Provides examples showing how to use SOA with PHP
<a href="#">Namespace references</a>	Provides reference information about the SOA namespaces available

# Vintage iMIS SDK

- Ease of navigation?
- Content coverage?
- Code examples?
- REST?

# Customer Feedback

“...I just can’t find the updated documentation online. I keep ending up back on <https://help.imis.com/SDK/index.htm#!usingrest.htm>. I assume there’s something else, just can’t seem to find it...”

“...There are significant product related issues that render the API unusable...”

“...It still has a ways to go before we can rely on it solely for our customizations...”

“...The REST API is too immature and unstable at this point to rely on...”

# SDK Location

[Home](#) » [Support](#) » Documentation

## Documentation

Documentation, articles, and video tutorials for implementing, managing, and using iMIS and other ASI products.

What iMIS edition do you use?

### STANDARD/ADVANCED

#### iMIS20-100/200

A cloud-based solution  
for not-for-profits of any size.

### EXTENDABLE

#### iMIS20-300

A flexible and extendable  
cloud-based or on-premise solution  
for not-for-profits of any size.

[All 20-300 and technical documentation versions](#)

### Video tutorials

Don't have time to read the documentation -  
review our video library for helpful tutorials.

[iMIS 20-100/200](#)

[iMIS 20-300](#)

### Technical Documentation

[iMIS SDK Developer Guide](#)



### Other ASI Products

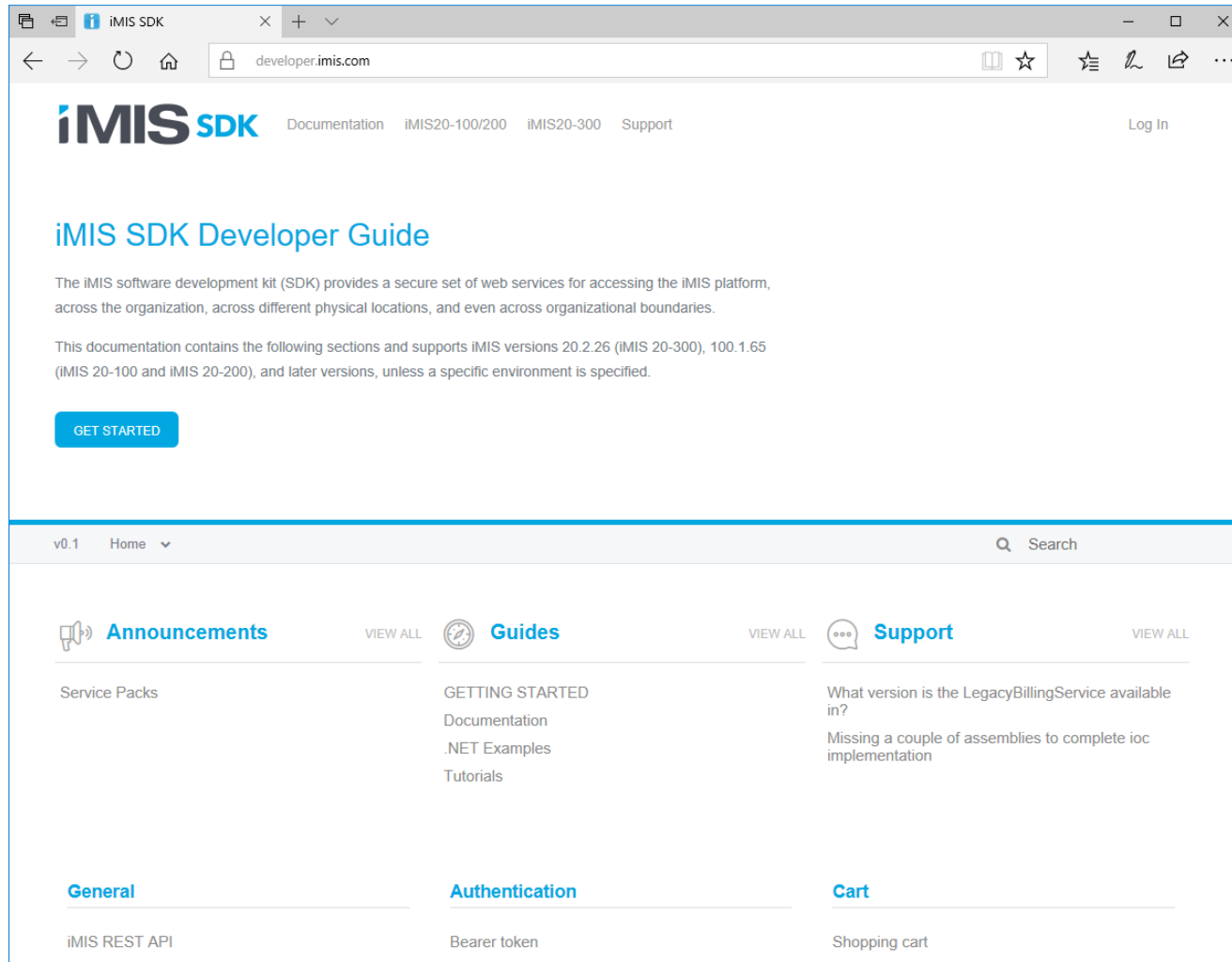
[Income Manager](#)

[ProgressCRM](#)

[Donman](#)

[GoLightly](#)

# The New iMIS SDK Site



# .NET Code Examples

- Getting started
- C# .NET SOA Examples
- C# .NET REST Examples
- Accessing the REST API via .NET



# .NET Code Examples

The screenshot displays the iMIS SDK documentation website in a web browser. The browser's address bar shows the URL <https://developer.imis.com/docs/commerce-manager>. The website's header includes the iMIS SDK logo, navigation links for Documentation, iMIS20-100/200, iMIS20-300, and Support, and a Log In button. The main content area is titled "Commerce Manager" and features a "Get item data" section. This section contains two tabs: "C# SOA" and "C# REST". The "C# SOA" tab is active, showing the following code:

```
using System;
using Asi.Soa.ClientServices;
using Asi.Soa.Commerce.DataContracts;

// Initialize Entity and Commerce managers, item and party IDs
EntityManager entityManager = new EntityManager();

CommerceManager commerceManager = new CommerceManager(entityManager);

string itemId = "G15"; // Product code

// Use CommerceManager to return the item data by ID
ItemData item = commerceManager.FindItemById(itemId);

if (item != null)
```

Below the code, a "Live REST example:" is provided with a GET request to <https://developer.imis.com/v0.1/reference/api-endpoints-1#getitembyid>. The "Get item price for party" section is also visible, showing similar code structure. The left sidebar contains a navigation menu with sections: GETTING STARTED, DOCUMENTATION, .NET EXAMPLES, and TUTORIALS. Under .NET EXAMPLES, "Commerce Manager" is highlighted.

# .NET Code Examples

The screenshot shows the iMIS SDK documentation website. The browser address bar displays <https://developer.imis.com/docs/commerce-manager>. The page header includes the iMIS SDK logo, navigation links for Documentation, iMIS20-100/200, iMIS20-300, and Support, and a Log In button. The main content area is titled 'Commerce Manager' and features a 'Get item data' section. A blue arrow points to the 'C# REST' tab in this section, which contains the following code:

```
using System;
using System.Net.Http;

const string itemId = "G15"; // Product code

HttpClient client = new HttpClient();

/*
Add proper authorization header to new HttpClient above
before making below request, see
https://developer.imis.com/v0.1/docs/accessing-the-rest-api#section-direct-access
for an example of how to perform this in C# project
*/

var item = client.GetAsync($"api/item/{itemId}").Result;
```

Below the code, a 'Live REST example:' is provided with a GET request to <https://developer.imis.com/v0.1/reference/api-endpoints-1#getitembyid>. The 'Get item price for party' section is also visible, showing 'C# SOA' and 'C# REST' tabs. The left sidebar contains a 'COMMERCE MANAGER' section with a 'Commerce Manager' link highlighted. The right sidebar includes a 'TABLE OF CONTENTS' section with links to 'Get item data' and 'Get item price for party'.

# .NET Code Examples

The screenshot shows a web browser window with the URL <https://developer.imis.com/v0.1/docs/accessing-the-rest-api#section-direct-access-oauth-20>. The page is titled "Direct access (OAuth 2.0)" and explains that OAuth 2.0 token security is used for external or cross-site access to the ASI Scheduler web API. It provides a list of steps to use OAuth 2.0 and a C# code example for getting started.

**GETTING STARTED**

- Overview
- iMIS REST API

**DOCUMENTATION**

- Getting Started
- SOA web services
- Working with iMIS SOA
- Common Entity Types
- Using REST
- Accessing the REST API**
- Testing REST applications
- Querying data with REST
- Advanced query operations
- Writing data with REST
- Accessing IQA data
- Using .NET
- Working with Dynamic Content I...

**.NET EXAMPLES**

- Commerce
- Content Management
- Core
- Events
- Fundraising
- Membership
- External examples
- Dynamic Content Items

**TUTORIALS**

- Importing data into iMIS

**Direct access (OAuth 2.0)**

The OAuth 2.0 token security is used for external or cross-site access to the ASI Scheduler web API. After an authorization request to access the server is posted, the token received is added to the headers of all other requests. For details on using the OAuth2.0 framework, go to <http://www.oauth.net/>.

The correct URL format for using OAuth 2.0 to access the ASI Scheduler API is:

<https://server.com/asiScheduler/api/>

Do the following to use OAuth 2.0:

1. Obtain an access token.
2. Add the token to headers.
3. Make a request.

**C# - Getting Started** C# - REST Example C# - REST with SOA

```
using System;
using System.Collections.Generic;
using System.Net;
using System.Net.Http;
using System.Net.Http.Headers;
using Newtonsoft.Json;

namespace AsiRestApiAccess
{
    public static class Program
    {
        public static HttpClient Client;

        static Program()
        {
            Client = new HttpClient();
        }
    }
}
```

More

**TABLE OF CONTENTS**

- Pass-through access
- Direct access (OAuth 2.0)

# REST API Reference




- Getting started
- API definitions/data contracts
- Examples and walkthroughs

# REST API Reference

## Bearer token

 SUGGEST EDITS

Tokens are issued to clients by iMIS. The client uses the access token to access the protected resources hosted by the iMIS server.

 Click the  **Try It** button to create a new Bearer `access_token`. Copy the `access_token` value from the response object to use when running a  **Try It** example.


## Request new token

 SUGGEST EDITS

Create a new Bearer `access_token`.

**POST** [https://testapi.imis.com/Asi.Scheduler\\_SDKDemo/Token](https://testapi.imis.com/Asi.Scheduler_SDKDemo/Token)

 Try It

JavaScript 

```
var data = "grant_type=password&username=demouser&password=demo123";
var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

xhr.open("POST", "https://testapi.imis.com/Asi.Scheduler_SDKDemo/Token");
xhr.send(data);
```

*Try the API to see results*

### FORM DATA

<b>grant_type</b> string	The value must be 'password'.	<input type="text" value="password"/>
<b>username</b> string	iMIS login username.	<input type="text" value="demouser"/>
<b>password</b> string	iMIS user password.	<input type="text" value="demo123"/>

### RESPONSE

200 ▾


The request was successful.

# REST API Reference


## Item, Dues, Financial, Invoices

 SUGGEST EDITS

Commerce relates to products for an online store, payments for membership dues, and financial aspects including invoices, payments, taxes, financial entities, financial accounts, and much more.

[View commerce model details](#) 





































To run  **Try It** examples from this site, a valid Bearer `access_token` is required.

[Create Token](#) 

# Vintage Data Contracts

Asi.Soa.Commerce.DataContracts Namespace

## Types

All Types	Classes	Structures	Interfaces	Enumerations
	Name	Description		
	<a href="#">AccountingMethodData</a>	Accounting methods.		
	<a href="#">AccountPayerInformationData</a>	Payer information describing the party associated with an autopay account.		
	<a href="#">AccountTypeData</a>	Provide an indication of the account type for the AutoPayAccount object.		
	<a href="#">AdditionalChargeData</a>	A class for tax information.		
	<a href="#">AdditionalChargeDataCollection</a>	A collection of additional charges.		
	<a href="#">AllocationTypeData</a>	Allocation type.		
	<a href="#">AllowAllUsersToBillToOrganizationData</a>	Option describes which users my bill to their organization.		
	<a href="#">ApplicationRestrictionData</a>	Application restriction.		
	<a href="#">ApplicationRestrictionTypeData</a>	Application restriction type enum.		
	<a href="#">AutomaticPaymentSettingData</a>	Automatic payment setting enumeration.		
	<a href="#">AutoPayAccountData</a>	Contract for setting up a recurring payment method		
	<a href="#">AutoPayInstructionData</a>	Contract for setting up a recurring payment method		
	<a href="#">AutoPayInstructionData2</a>	To allow two services to work together		
	<a href="#">AutoPayInstructionDataCollection</a>			
	<a href="#">AutoPayProcessorData</a>	Contract for processing autopay invoices		
	<a href="#">BankAccountTypeData</a>	Provide an indication of the account type for the BankAccount object.		
	<a href="#">BankDraftInformationData</a>	Bank draft information.		
	<a href="#">BatchStatusData</a>	Batch status enumeration.		
	<a href="#">BatchSummaryData</a>	Batch summary.		
	<a href="#">BatchTypeData</a>	Class BatchType.		
	<a href="#">BillGenerationStatus</a>	Status of the bill generation job		
	<a href="#">BillingAdditionalOptionsData</a>	Additional options for billing		
	<a href="#">BillingLogData</a>	Billing log details data		
	<a href="#">BillingLogItemData</a>	Billing log item data		
	<a href="#">BillingPrintOptionsData</a>	printing options for billing		
	<a href="#">CartData</a>	Shopping cart.		
	<a href="#">CartDataCollection</a>	A collection of items.		
	<a href="#">CartSubmissionRequest</a>	This class contains the information required by the Cart entity's Execute method to submit a <a href="#">CartData</a>		
	<a href="#">ComboOrderData</a>	A cart contains an order and zero or more payments.		
	<a href="#">ComboOrderDataCollection</a>	A collection of carts.		
	<a href="#">CommerceConstants</a>	Commerce constants.		
	<a href="#">CommerceSettingsData</a>	Commerce settings.		
	<a href="#">CountryDeliveryMethodDataDictionary</a>	A dictionary of delivery methods by country code. The dictionary key is the country code. The dictionary value is the country.		
	<a href="#">CreditCardInformationData</a>	Credit card information.		

# Model Definitions

## Models

**AccountingMethodData** *string*

*default: Cash*

Accounting methods.

Enum:

➤ Array [ 2 ]

**AccountPayerInformationData** ➤ {...}

**AccountTypeData** *string*

*default: Undefined*

Provide an indication of the account type for the autopayaccount object.

Enum:

➤ Array [ 6 ]

**ActiveStatusData** *string*

*default: Active*

Party active status enumeration.

Enum:

➤ Array [ 4 ]

**AdditionalChargeData** ▼ {

*description:* A class for tax information.

*\$type* *string*

*default: Asi.Soa.Commerce.DataContracts.AdditionalChargeData, Asi.Contracts*

The DataType must be "Asi.Soa.Commerce.DataContracts.AdditionalChargeData, Asi.Contracts"

*AdditionalChargeId* *string*

*default:*

Gets or sets the AdditionalChargeId.

*Description* *string*

*default:*

Gets or sets the description.

*Tax*

*OrderTaxData* ➤ {...}

*TotalAmount*

*MonetaryAmountData* ➤ {...}

}

**AdditionalChargeDataCollection** ▼ [

A collection of additional charges.

*AdditionalChargeData* ➤ {...}



# Collection Example

```
"Lines": {  
  "$type": "Asi.Soa.Commerce.DataContracts.OrderLineDataCollection, Asi.Contracts",  
  "$values": [  
    {  
      "$type": "Asi.Soa.Commerce.DataContracts.OrderLineData, Asi.Contracts",  
      "OrderLineId": "d1a40a8b-079f-4f11-9206-607f16144bb3",  
      "AdditionalAttributes": {  
        "$type": "Asi.Soa.Core.DataContracts.GenericPropertyDataCollection, Asi.Contracts",  
        "$values": [  
          {  
            "$type": "Asi.Soa.Core.DataContracts.GenericPropertyData, Asi.Contracts",  
            "Name": "WebsiteEditUrl",  
            "Value": "https://testapi.imis.com:443/SDKDemo/iCore/Store/StoreLayouts/I1",  
          }  
        ]  
      }  
    }  
  ],  
},
```

# REST API Reference Example

The screenshot shows a web browser window displaying the REST API reference for the endpoint `https://testapi.imis.com/Asi.Scheduler_SDKDemo/api/Invoice/InvoiceId`. The page is titled "Returns an Invoice by id" and includes a "SUGGEST EDITS" button. The left sidebar lists various API endpoints under the "COMMERCE" category, with "Returns an Invoice by id" selected. The main content area displays the API endpoint, a "Try It" button, and a code editor showing a C# example of how to use the REST client. The response status is "200 OK" and the response body is a JSON object containing invoice details. The "PATH PARAMS" section shows the "InvoiceId" parameter as a required string with the value "10". The "RESPONSE" section shows the status "200" and the message "The request was successful." Below the response, there is a section titled "Examples of InvoiceId" with a list of example values: 10, 156, and 1000.

COMMERCE

- Item, Dues, Financial, Invoices
- ComboOrder
- FinancialEntity
- FinancialEntitySummary
- Invoice
  - Returns a list of Invoice
  - Returns an Invoice by id**
- InvoiceSummary
- Item
- ItemSummary
- PartyItemPrice
- Promotion

Returns an Invoice by id

Returns an instance of Invoice by id

GET `https://testapi.imis.com/Asi.Scheduler_SDKDemo/api/Invoice/InvoiceId` Try It

JavaScript C#

```
var client = new RestClient("https://testapi.imis.com/Asi.Scheduler_SDKDemo/api/Invoice/10");
var request = new RestRequest(Method.GET);
IRestResponse response = client.Execute(request);
```

200 OK Metadata

```
{
  "$type": "Asi.Soa.Commerce.DataContracts.InvoiceData, Asi.Contracts",
  "Lines": {
    "$type": "Asi.Soa.Commerce.DataContracts.InvoiceLineDataCollection, Asi.Contracts",
    "$values": []
  },
  "InvoiceId": "10",
  "FinancialEntity": {
    "$type": "Asi.Soa.Commerce.DataContracts.FinancialEntitySummaryData, Asi.Contracts",
    "FinancialEntityId": "DEMO",
    "Name": "IMIS International",
    "FinancialEntityFullAddress": "3309 Duke Street, Alexandria, VA 22314 USA, (703) 212-6720, FAX (703) 212-6725",
    "IsDefault": true
  },
  "InvoiceNumber": "R10",
  "InvoiceDate": "2003-03-10T00:00:00",
  "BillToParty": {
```

PATH PARAMS

InvoiceId **REQUIRED**  
string Id of Invoice to be Returned

10

RESPONSE 200

The request was successful.

Examples of InvoiceId

- 10
- 156
- 1000

# REST API Reference Format

GET https://testapi.imis.com/Asi.Scheduler\_SDKDemo/api/PartyItemPrice/PartyItemPriceId

Try It

## Returns a PartyItemPrice by id

SUGGEST EDITS

Returns an instance of PartyItemPrice by id

JavaScript C#

```
var data = JSON.stringify(false);
var xhr = new XMLHttpRequest();
xhr.withCredentials = true;

xhr.addEventListener("readystatechange", function () {
  if (this.readyState === this.DONE) {
    console.log(this.responseText);
  }
});

xhr.open("GET", "https://testapi.imis.com/Asi.Scheduler_SDKDemo/api/PartyItemPrice/PartyItemPriceId");
xhr.send(data);
```

Try the API to see results

### PATH PARAMS

**PartyItemPriceId**  
string

REQUIRED

Id of PartyItemPrice to be Returned

### PartyItemPriceId Format

~[partyId][itemId]

### RESPONSE

200 ▾

The request was successful.

### Examples of PartyItemPriceId

- ~101|3YEAR
- ~101|ADDLCHARGES/FREIGHT
- ~101|ADDLCHARGES/TAX

# REST API Reference Parameters

## QUERY PARAMS

**DocumentVersionKey**  
string

The DocumentId for the communication.

**Path**  
string

The Path for the communication or folder that contains communications.

\$/Common/Communications/Templates/Samples

## BODY PARAMS

**\$type**  
string

The DataType must be  
"Asi.Soa.Communications.DataContracts.CommunicationData,  
Asi.Contracts"

Asi.Soa.Communications.DataContrac

**AlternateName**  
string

Gets or sets the name of the alternate.

**DataSources**  
object

Communication data source.

**DataSources.\$type**  
string

The DataType must be  
"Asi.Soa.Communications.DataContracts.CommunicationDataSourcesData,  
Asi.Contracts"

Asi.Soa.Communications.DataCor

## PATH PARAMS

**CommunicationId**  
string

**REQUIRED**

Id of Communication to be Removed

# Pass-Through Access

```
<input type="hidden" name="__RequestVerificationToken" id="__RequestVerificationToken" value="-rdu3VSjsUwBtiz9L3BNrTORy2qKvYZGkBfUeI-rhnZHewbfUnC9MH2EnkAW76h683rkNPghRiyVaG4yzMSDMwbujzaBjXgLCVjWASvQXOU1">
```

```
<input type="hidden" name="__ClientContext" id="__ClientContext" value="{\"baseUrl\":\"/imisMain10/\", \"isAnonymous\":false, \"loggedInPartyId\":\"23173\", \"selectedPartyId\":\"23173\", \"websiteRoot\":\"https://tenant1.i10/imismain10/Staff/\", \"virtualDir\":\"/imisMain10/\"}">
```

# Pass-Through Access

```
jQuery.ajax("https://imistour30201.imisccloud.com/api/country",
{
    type: "get",

    contentType: "application/json",

    headers: {
        "RequestVerificationToken": document.getElementById("__RequestVerificationToken").value
    },

    success: function (data) {
        console.log(data);
    }
});
```

# Pass-Through Access

```
> jQuery.ajax("https://imistour30201.imiscloud.com/api/country",
{
  type: "get",
  contentType: "application/json",
  headers: {"RequestVerificationToken": document.getElementById("__RequestVerificationToken").value},
  success: function(data){console.log(data);}
});
< ▶ {readyState: 1, getResponseHeader: f, getAllResponseHeaders: f, setRequestHeader: f, overrideMimeType: f, ...}
▼ { $type: "Asi.Soa.Core.DataContracts.PagedResult`1[[Asi.Soa...racts.CountryData, Asi.Contracts]], Asi.Contracts", Items: {...}, Offset: 0, Limit: 100, Count: 100, ...}
  $type: "Asi.Soa.Core.DataContracts.PagedResult`1[[Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts]], Asi.Contracts"
  Count: 100
  HasNext: true
  ▼ Items:
    $type: "System.Collections.Generic.List`1[[Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts]], mscorlib"
    ▼ $values: Array(100)
      ▶ 0: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AD", CountryName: "Andorra", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 1: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AE", CountryName: "United Arab Emirates", MailGroup: "ASIA", SubEntityNameCaption: "County / region", ...}
      ▶ 2: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AF", CountryName: "Afghanistan", MailGroup: "ASIA", SubEntityNameCaption: "County / region", ...}
      ▶ 3: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AG", CountryName: "Antigua and Barbuda", MailGroup: "WICA", SubEntityNameCaption: "County / region", ...}
      ▶ 4: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AI", CountryName: "Anguilla", MailGroup: "WICA", SubEntityNameCaption: "County / region", ...}
      ▶ 5: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AL", CountryName: "Albania", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 6: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AM", CountryName: "Armenia", MailGroup: "ASIA", SubEntityNameCaption: "County / region", ...}
      ▶ 7: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AN", CountryName: "Netherlands Antilles", MailGroup: "WICA", SubEntityNameCaption: "County / region", ...}
      ▶ 8: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AO", CountryName: "Angola", MailGroup: "AF", SubEntityNameCaption: "County / region", ...}
      ▶ 9: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AQ", CountryName: "Antarctica", MailGroup: "OC", SubEntityNameCaption: "County / region", ...}
      ▶ 10: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AR", CountryName: "Argentina", MailGroup: "SA", SubEntityNameCaption: "County / region", ...}
      ▶ 11: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AS", CountryName: "American Samoa", MailGroup: "OC", SubEntityNameCaption: "County / region", ...}
      ▶ 12: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AT", CountryName: "Austria", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 13: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AU", CountryName: "Australia", CountrySubEntities: {...}, MailGroup: "OC", ...}
      ▶ 14: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AW", CountryName: "Aruba", MailGroup: "WICA", SubEntityNameCaption: "County / region", ...}
      ▶ 15: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AX", CountryName: "Aland Islands", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 16: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "AZ", CountryName: "Azerbaijan", MailGroup: "ASIA", SubEntityNameCaption: "County / region", ...}
      ▶ 17: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BA", CountryName: "Bosnia and Herzegovina", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 18: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BB", CountryName: "Barbados", MailGroup: "WICA", SubEntityNameCaption: "County / region", ...}
      ▶ 19: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BD", CountryName: "Bangladesh", MailGroup: "ASIA", SubEntityNameCaption: "County / region", ...}
      ▶ 20: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BE", CountryName: "Belgium", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 21: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BF", CountryName: "Burkina Faso", MailGroup: "AF", SubEntityNameCaption: "County / region", ...}
      ▶ 22: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BG", CountryName: "Bulgaria", MailGroup: "EU", SubEntityNameCaption: "County / region", ...}
      ▶ 23: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BH", CountryName: "Bahrain", MailGroup: "ASIA", SubEntityNameCaption: "County / region", ...}
      ▶ 24: { $type: "Asi.Soa.Membership.DataContracts.CountryData, Asi.Contracts", CountryCode: "BI", CountryName: "Burundi", MailGroup: "AF", SubEntityNameCaption: "County / region", ...}
```

# Direct Access

### Contact information

ID	194
Full name	MANAGER

### User credentials

Logon	<input type="text" value="MANAGER"/> ✕
Password	<input type="password"/>
Confirm password	<input type="password"/>
Email	<input type="text"/>

**Locked out** This account is not locked out.

**Last sign in** 7/31/2017 11:17:58 AM

**Last active on** 7/31/2017 11:19:21 AM

**User class** ☐ Public user ☐ Casual user ☒ Full user

### User information

☐ Disabled

Effective date	<input type="text" value="2/9/2005"/>
Expiration date	<input type="text" value="7/31/2022"/>

#### Roles

[Add role](#)

RemoteService	<a href="#">remove</a>
SysAdmin	<a href="#">remove</a>



# Using Postman with the iMIS API

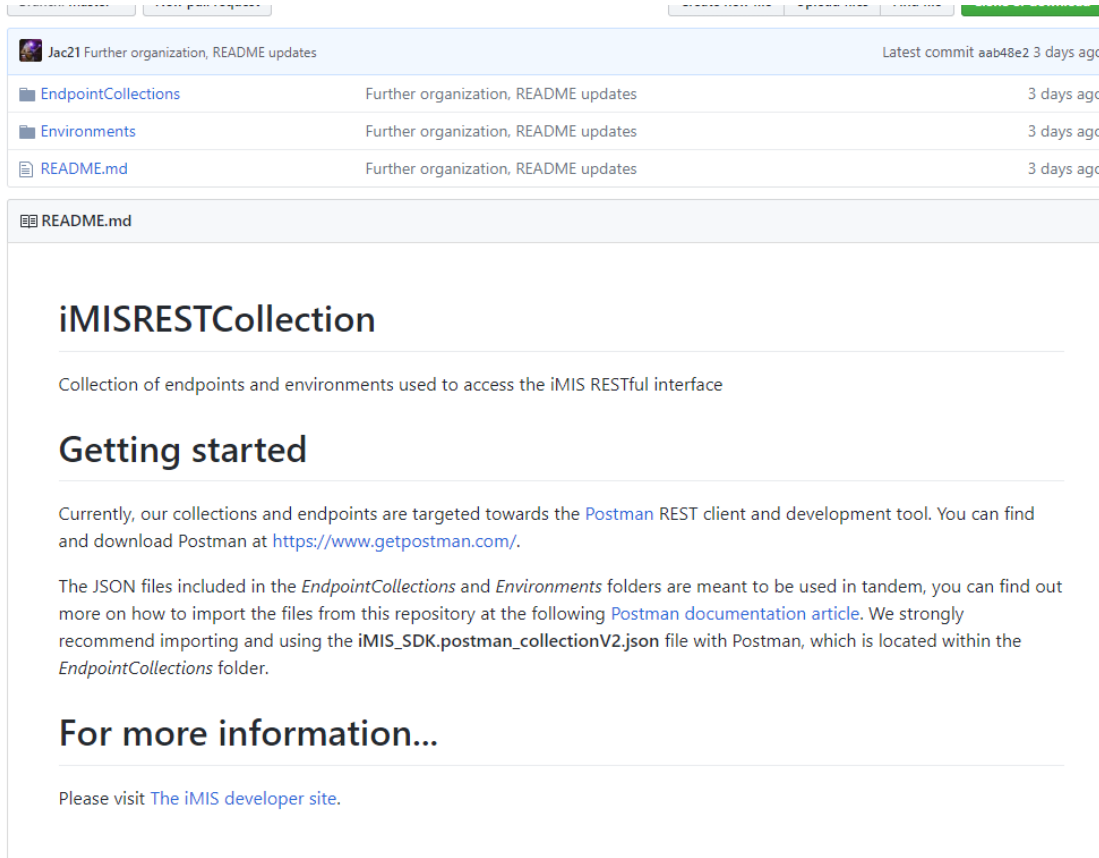
The screenshot displays the Postman application interface. On the left, the 'Collections' sidebar shows a tree view with 'iMIS SDK' containing 128 requests. Under 'iMIS SDK', there are folders for 'Authentication', 'Cart', 'Commerce', and 'FinancialEntity'. The 'FinancialEntity' folder is expanded, showing a list of requests: 'Returns a list of FinancialEntity' (GET), 'Creates a FinancialEntity' (POST), 'Removes a FinancialEntity by id' (DEL), 'Returns a FinancialEntity by id' (GET), 'Updates a FinancialEntity by id' (PUT), 'FinancialEntitySummary', and 'Invoice'. The 'Returns a list of FinancialEntity' request is selected.

The main panel shows the details of the selected request. The method is 'GET' and the URL is 'https://{{{URL}}}/api/FinancialEntity'. The 'Authorization' tab is active, showing 'No Auth' selected from a dropdown menu. The 'Response' tab is also visible, showing a placeholder message: 'Hit the Send button to get a response.' Below this, there are buttons for 'Share', 'Mock', 'Monitor', and 'Document'.

At the bottom of the interface, there are four buttons: 'Share', 'Mock', 'Monitor', and 'Document'.

# Using Postman with the iMIS API

<https://github.com/Advsol/iMISRESTCollection>



Jac21 Further organization, README updates Latest commit aab48e2 3 days ago

EndpointCollections	Further organization, README updates	3 days ago
Environments	Further organization, README updates	3 days ago
README.md	Further organization, README updates	3 days ago

README.md

## iMISRESTCollection

Collection of endpoints and environments used to access the iMIS RESTful interface

### Getting started

Currently, our collections and endpoints are targeted towards the [Postman](#) REST client and development tool. You can find and download Postman at <https://www.getpostman.com/>.

The JSON files included in the *EndpointCollections* and *Environments* folders are meant to be used in tandem, you can find out more on how to import the files from this repository at the following [Postman documentation article](#). We strongly recommend importing and using the `iMIS_SDK.postman_collectionV2.json` file with Postman, which is located within the *EndpointCollections* folder.

### For more information...

Please visit [The iMIS developer site](#).

# Using Postman with the iMIS API

The screenshot displays the Postman application interface. The top bar contains buttons for 'NEW', 'Runner', 'Import', 'Builder', and 'Team Library'. A notification banner states: 'Chrome apps are being deprecated. Download our free native apps for continued support and better performance. Learn more'. The left sidebar shows a 'Collections' view with a tree structure including 'iMIS SDK' (128 requests) and sub-folders like 'Authentication', 'Cart', 'Commerce', 'ComboOrder', 'FinancialEntity', 'FinancialEntitySummary', 'Invoice', 'InvoiceSummary', and 'Item'. The main workspace shows a 'POST' request to 'https://{{URL}}/token' with a 'Demo token' label. The 'Body' tab is selected, showing a table of form data:

Key	Value	Description
<input checked="" type="checkbox"/> Username	demouser	
<input checked="" type="checkbox"/> Password	demo123	
<input checked="" type="checkbox"/> Grant_type	password	
New key	Value	Description

Below the table, the 'Body' tab is selected, showing a JSON response in 'Pretty' format:

```
1 {
2   "access_token": "btFD4SVL-wZnfQpF_Ogi1_TSN-XG0899f6svZb7RwXhudxF8Nb5z0csbIwgcsY3vVeskuptkFDcnMYWLRNhUU_j-gc2ncOV
   -k7g4QFboY4rin6PasFir94nZiQ7mC0Uo8o96ZG1k1exCHxqzLA8hLkRhK1deQJaS5sPS2NnkiLDZy4U8zmGk8Z9diiVTHdcXjy5AVBv9Zk1Vs6se2IyojJR01Kd9
   -bkDrTmY0yVpKesyYL2E7ig5VyRqhP1CMONzPZR50e1GC_Y0m7Fnu7xdDZCfIS_Q0a_zWQb9fbD0Mwts6-wqJvUZOagFx9N-e8bYD8e3h-e5rqt5m3nYgWzGa4xug
   -XQvnyXqf4wX0sCLNHs0COXAQtxr9YszxkdSTPE31XJFIz-pvCswOTOKEDkuM6LGHs6gwOMFqGBwiCXcmYT79RTCREv6DVRIFGH_Kh7eCv7p2jB1LEvS2Ayu3VGNYS07U8
   -aDiGVnQQGnQXVSuFnbmsrLfw2udFkVKq-9-fTP7cinXARYqONqF3h1v0SYH3OztaaKEEhUn5XYkUaW7D02xEKAig20CG8Cb7I0WfH1wbAIb9dPohbLw",
3   "token_type": "bearer",
4   "expires_in": 1209599,
5   "userName": "demouser",
6   "issued": "Mon, 05 Mar 2018 11:40:07 GMT",
7   "expires": "Mon, 19 Mar 2018 11:40:07 GMT"
8 }
```

The status bar at the bottom indicates 'Status: 200 OK' and 'Time: 2647 ms'.

# Using Postman with the iMIS API

MANAGE ENVIRONMENTS

Manage Environments

Environment Templates

Edit Environment

IMIS SDK

	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	Authorization	Bearer iAQGVAnoD7Lq58uizWdxVSPxDvjZxHIS7p2c...	
<input checked="" type="checkbox"/>	Content-Type	application/json	
<input checked="" type="checkbox"/>	URL	testapi.imis.com/Asi.Scheduler_SDKDemo	
	New key	Value	

Cancel

Update

# Using Postman with the iMIS API

The screenshot displays the Postman application interface. On the left, the 'Collections' sidebar shows a tree structure with 'IMIS SDK' (128 requests) expanded, containing folders for Authentication, Cart, Commerce, Communications, Core, IQA, Events, Fundraising, Membership, and Other. The 'Authentication' folder is selected, showing a 'POST Demo token' request.

The main workspace shows the details of the 'Demo token' request:

- Method:** POST
- URL:** `https://{{URL}}/token`
- Authorization:** None
- Headers:** 1 header is defined.
- Body:** The 'Body' tab is active, showing a table of form data:

Key	Value	Description
<input checked="" type="checkbox"/> Username	demouser	
<input checked="" type="checkbox"/> Password	demo123	
<input checked="" type="checkbox"/> Grant_type	password	
New key	Value	Description

Below the body table, the 'Test Results' tab shows the response status: **Status: 200 OK** and **Time: 2647 ms**. The response body is displayed in the 'Pretty' view as JSON:

```
1 {
2   "access_token": "btFD4SVL-WZnFQpF_Ogi1_TSN-XG0899f6svZb7RwXHudxF8Nb5z0csbIwgcsY3vVeskuptkFDcNMYMLRNhUU_j-gc2ncOV
3     -k7g4QFboY4rin6PasFiR94nZiQ7mC0Uo8o96ZG1k1exCHxqzLA8hLkRhK1deQJa5SsPS2Nnk1LdZy4U8zmkg8Z9diiVTHdcXjy5AVBv9Zk1Vs6se2Iyoj3R01Kd9
4     -bkDrTmY0yVpKESyYL2E7ig5VyRqhP1CMONzPZR50e1GC_Y0m7Fnu7xdDZCFIS_Q0a_zlWQb9fbD0Mmts6-wqJvUZOagF9N-e8bYD8eJh-e5Rqt5m3nYgwzGa4xug
5     -XQvnyXqF4wX0sCLNHSoCOXAQtxr9YszxkdSTPE31XJFIz-pvCshOTOKEDkuM6LGhSs6gwQMFqG8wiCXcmYT79RTCReV6DVRIFGH_Kh7eCv7p2jB1LZEVS2Ayu3VGNYSo7U8
6     -aDi6VwQQGnQXVSuFnbmsrLfw2udFkVKq-9-fTP7cinXARYqOnqF3h1v0SYH30ztaaKEEMun5XykUah7D02xEKAig2OCG8Cb7I10NfMiwBAIb9dP0hbLw",
7   "token_type": "bearer",
8   "expires_in": 1209599,
9   "userName": "demouser",
10  "issued": "Mon, 05 Mar 2018 11:40:07 GMT",
11  ".expires": "Mon, 19 Mar 2018 11:40:07 GMT"
12 }
```

# Using Postman with the iMIS API

MANAGE ENVIRONMENTS

Manage Environments

Environment Templates

Edit Environment

IMIS SDK

	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	Authorization	Bearer iAQGVAnoD7Lq58uizWdxVSPxDvjZxHIS7p2c...	
<input checked="" type="checkbox"/>	Content-Type	application/json	
<input checked="" type="checkbox"/>	URL	testapi.imis.com/Asi.Scheduler_SDKDemo	
	New key	Value	

Cancel

Update

# Postman Parameters

The screenshot displays the Postman application interface. On the left, the 'Collections' sidebar shows a tree view of API collections, with 'FinancialEntity' selected. The main workspace shows a GET request to 'https://{{URL}}/api/FinancialEntity/FinancialEntityId'. The 'Params' tab is active, showing a table with parameters:

Key	Value	Description
FinancialEntityId	Demo	
New key	Value	Description

Below the table, the 'Authorization' tab is selected, showing 'No Auth' as the type. The 'Response' tab is also visible. At the bottom, there are buttons for 'Share', 'Mock', 'Monitor', and 'Document'. A message at the bottom of the workspace says 'Hit the Send button to get a response.'

# Additional Resources

- New iMIS developer site and documentation :  
<https://developer.imis.com>
- iMIS REST API reference:  
<https://developer.imis.com/reference>
- Postman download and documentation:  
<https://www.getpostman.com/>
- iMIS SDK Postman Collections and Environments:  
<https://github.com/Advsol/iMISRESTCollection>