Technical:
REST API Update

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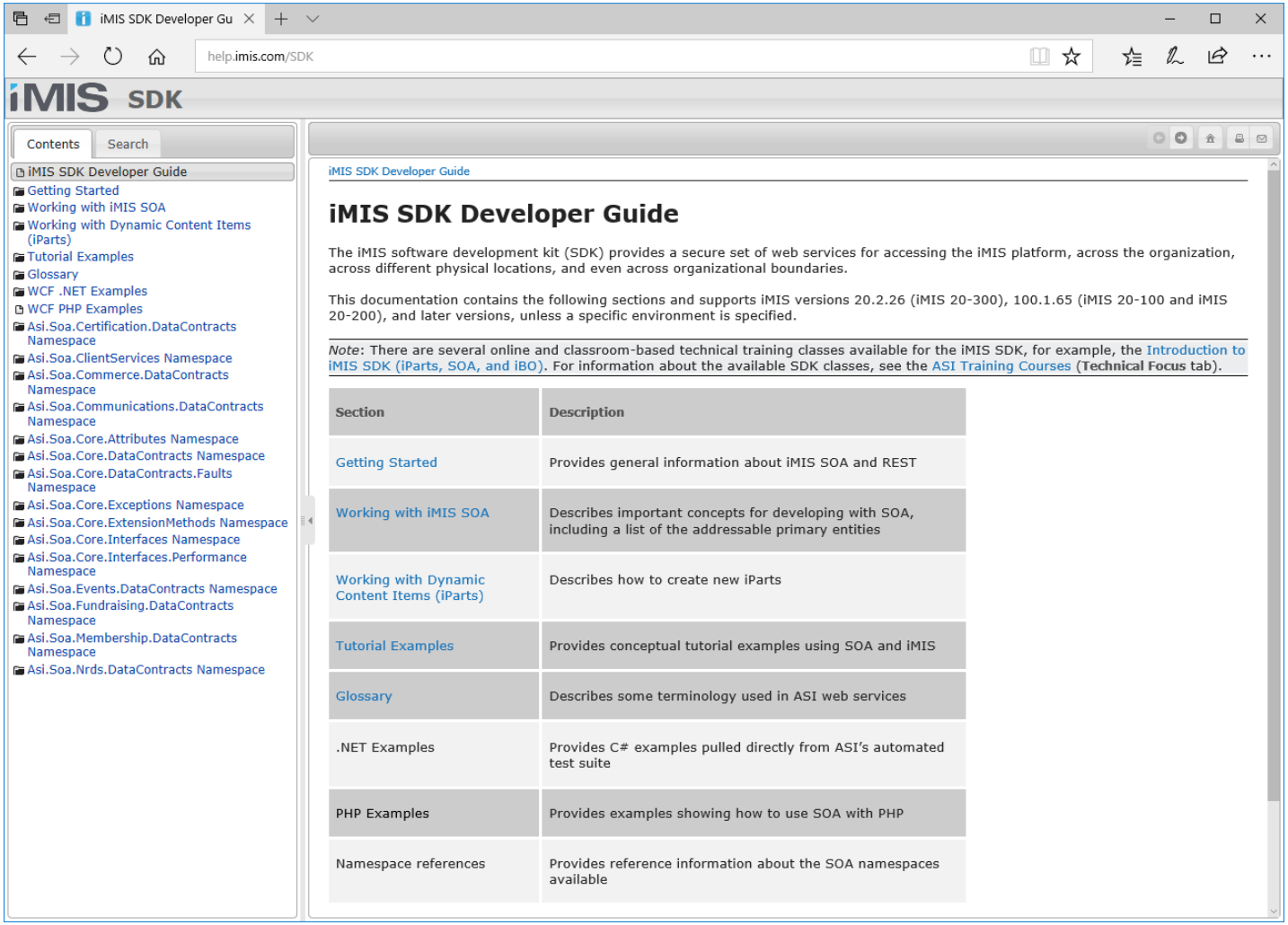
Agenda

- 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



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.

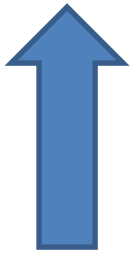
All 20-300 and technical documentation versions

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

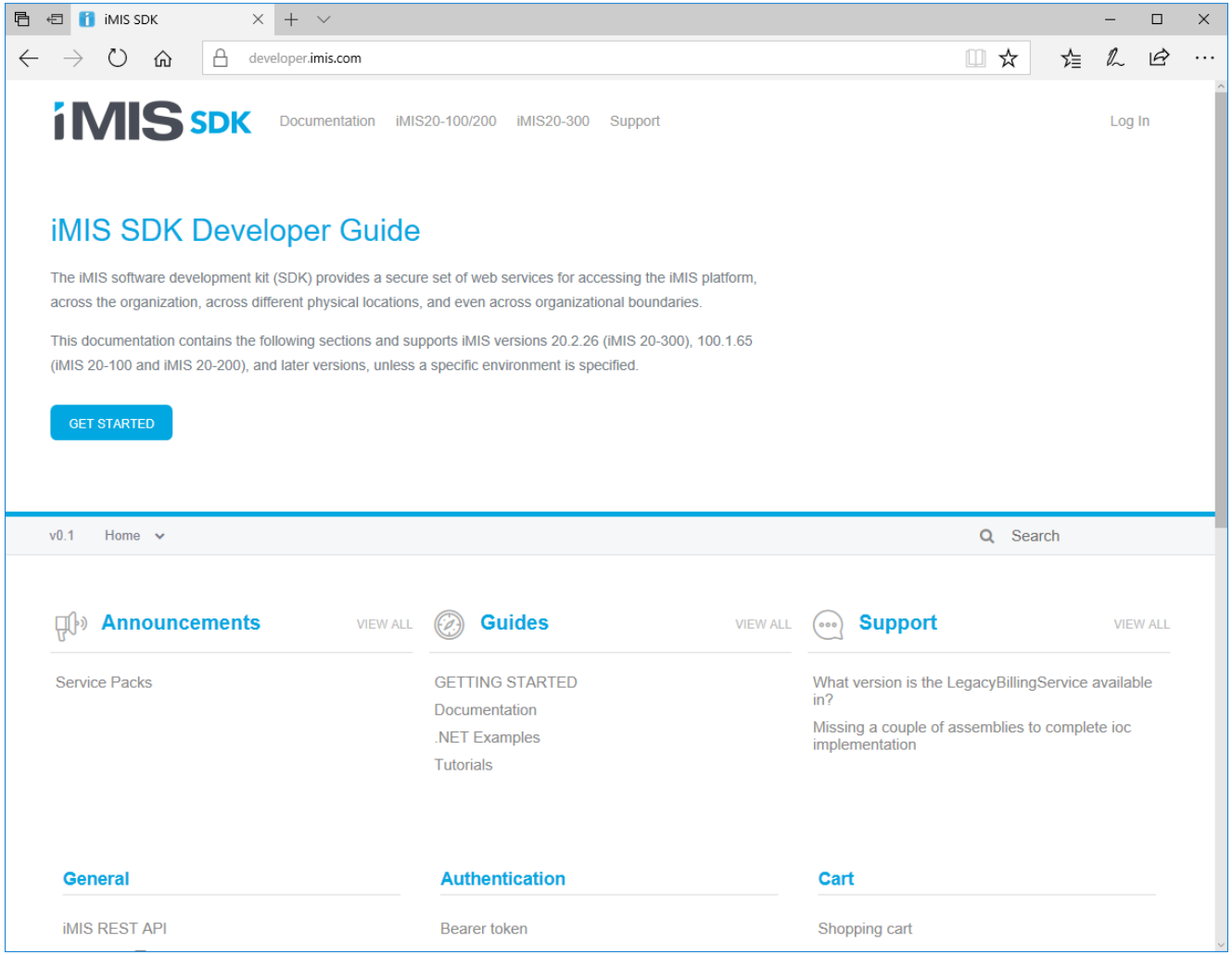
iMIS SDK Developer Guide



Other ASI Products

Income Manager
ProgressCRM
Donman
GoLightly

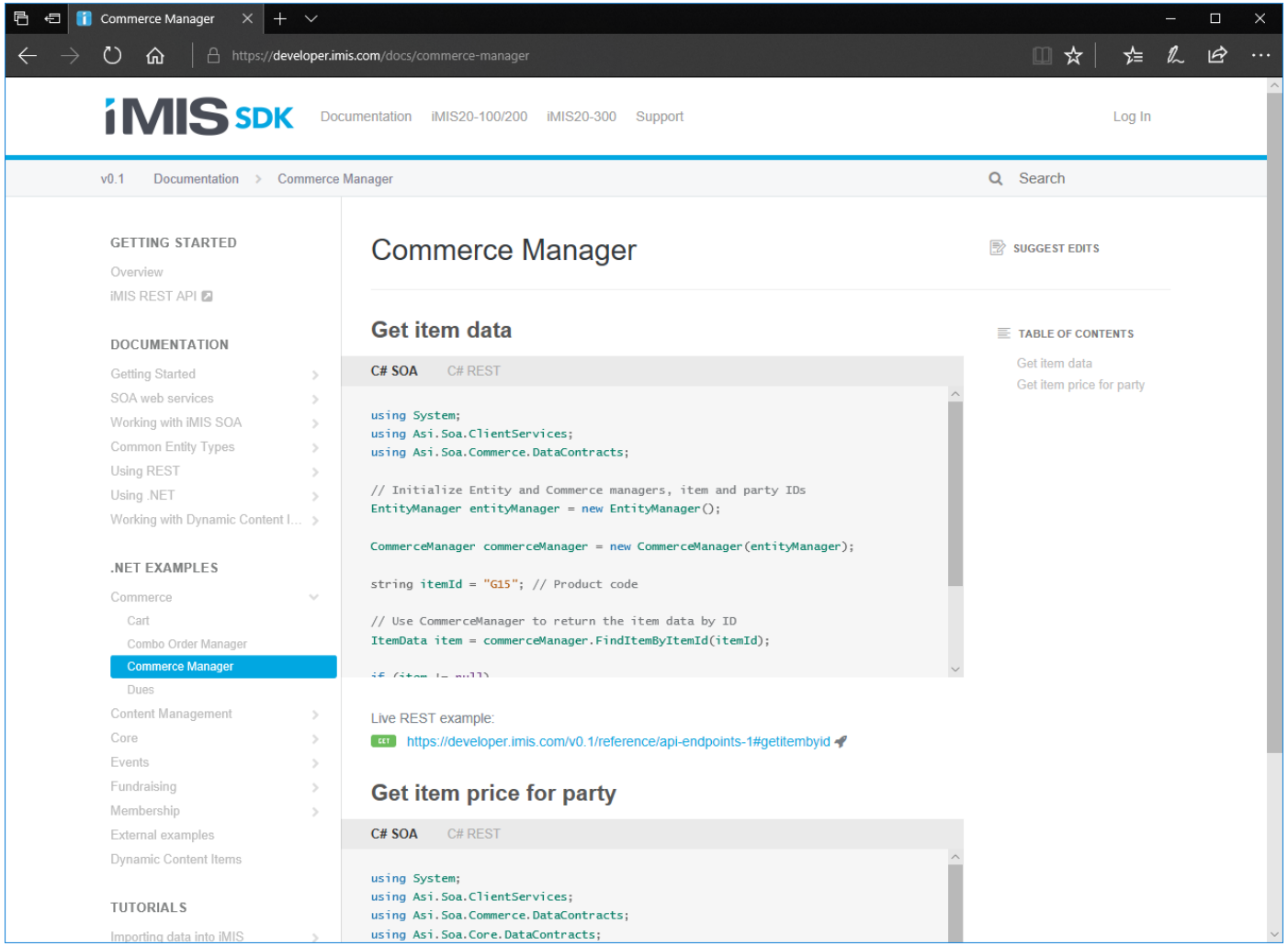
The New iMIS SDK Site



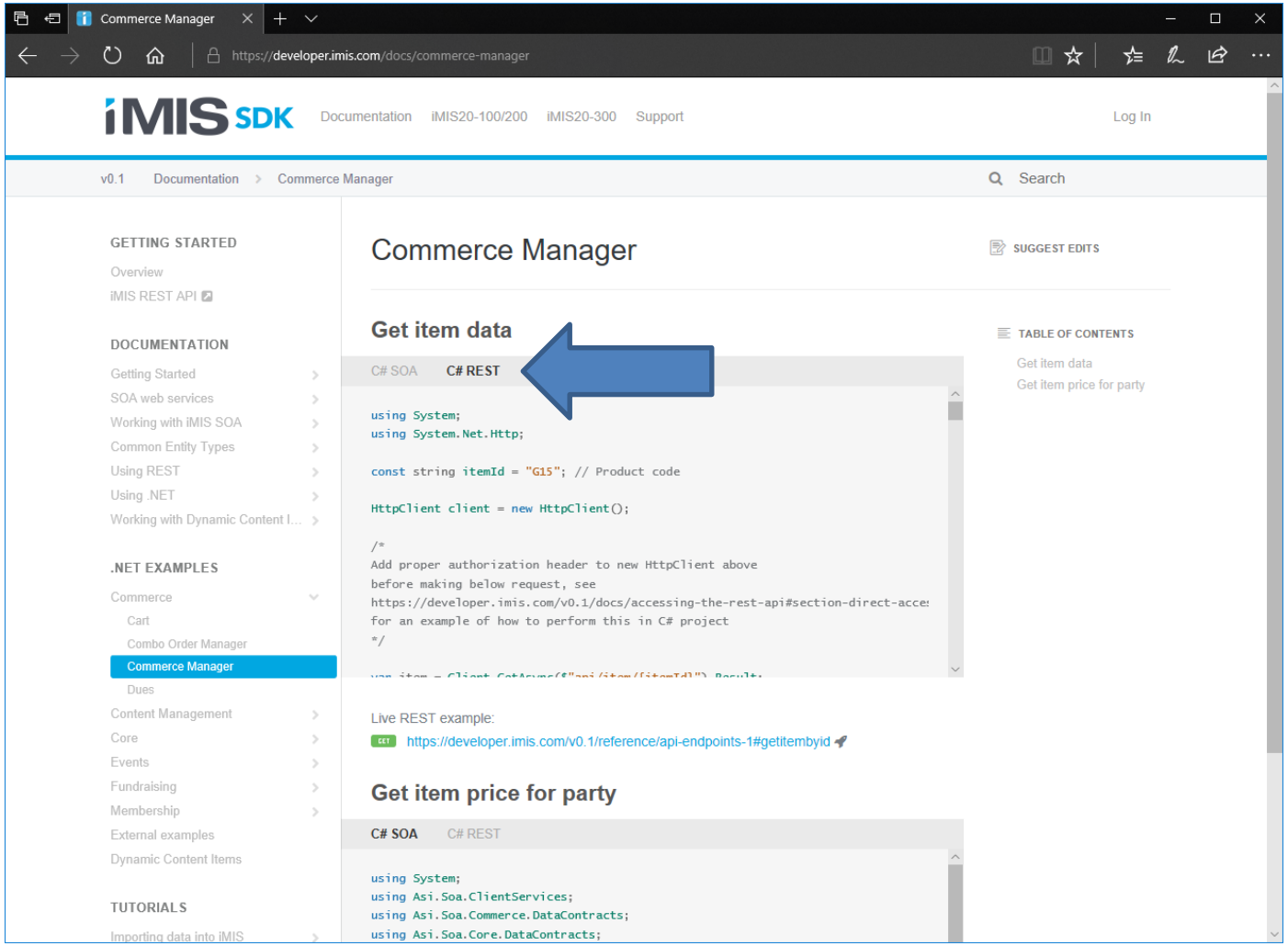
.NET Code Examples

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

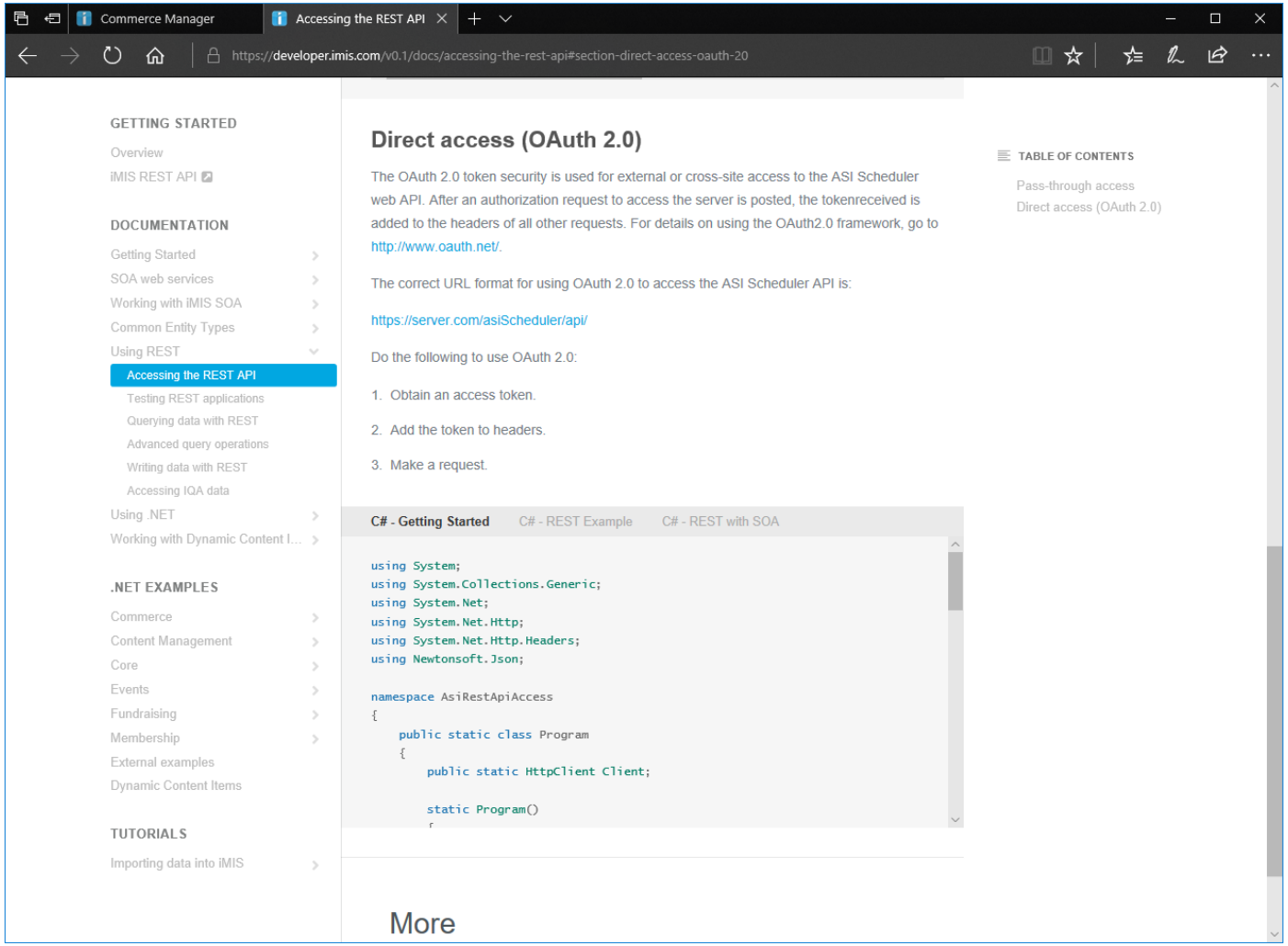
.NET Code Examples



.NET Code Examples



.NET Code Examples



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

Try It

JavaScript C#

```
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

grant_type string	The value must be 'password'.	password
username string	iMIS login username.	demouser
password string	iMIS user password.	demo123

RESPONSE 200

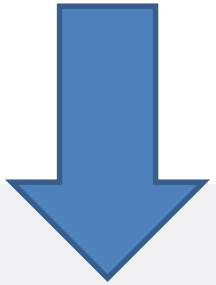
The request was successful.

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

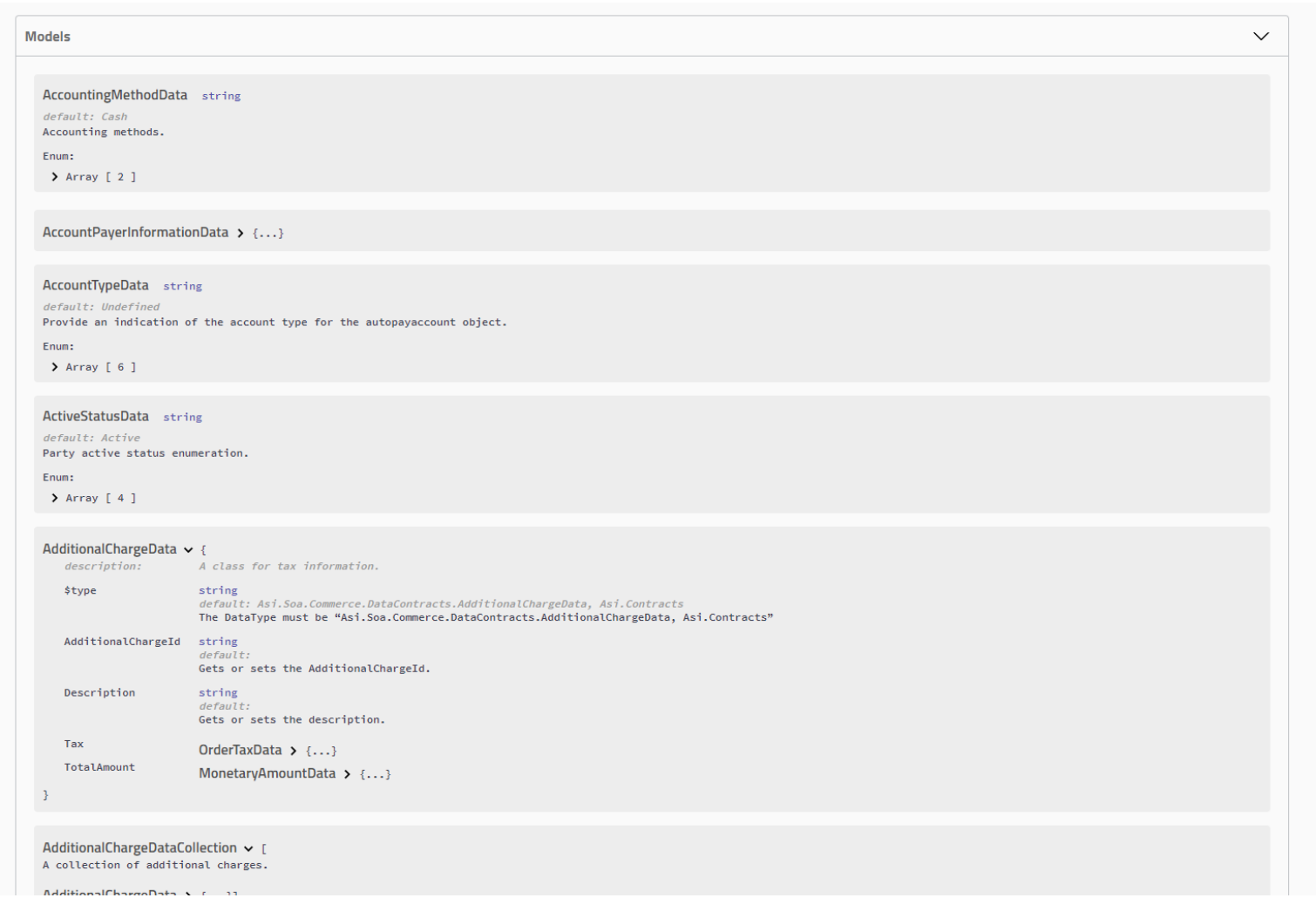
Asi.Soa.Commerce.DataContracts Namespace

Types

All Types | Classes | Structures | Interfaces | Enumerations

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

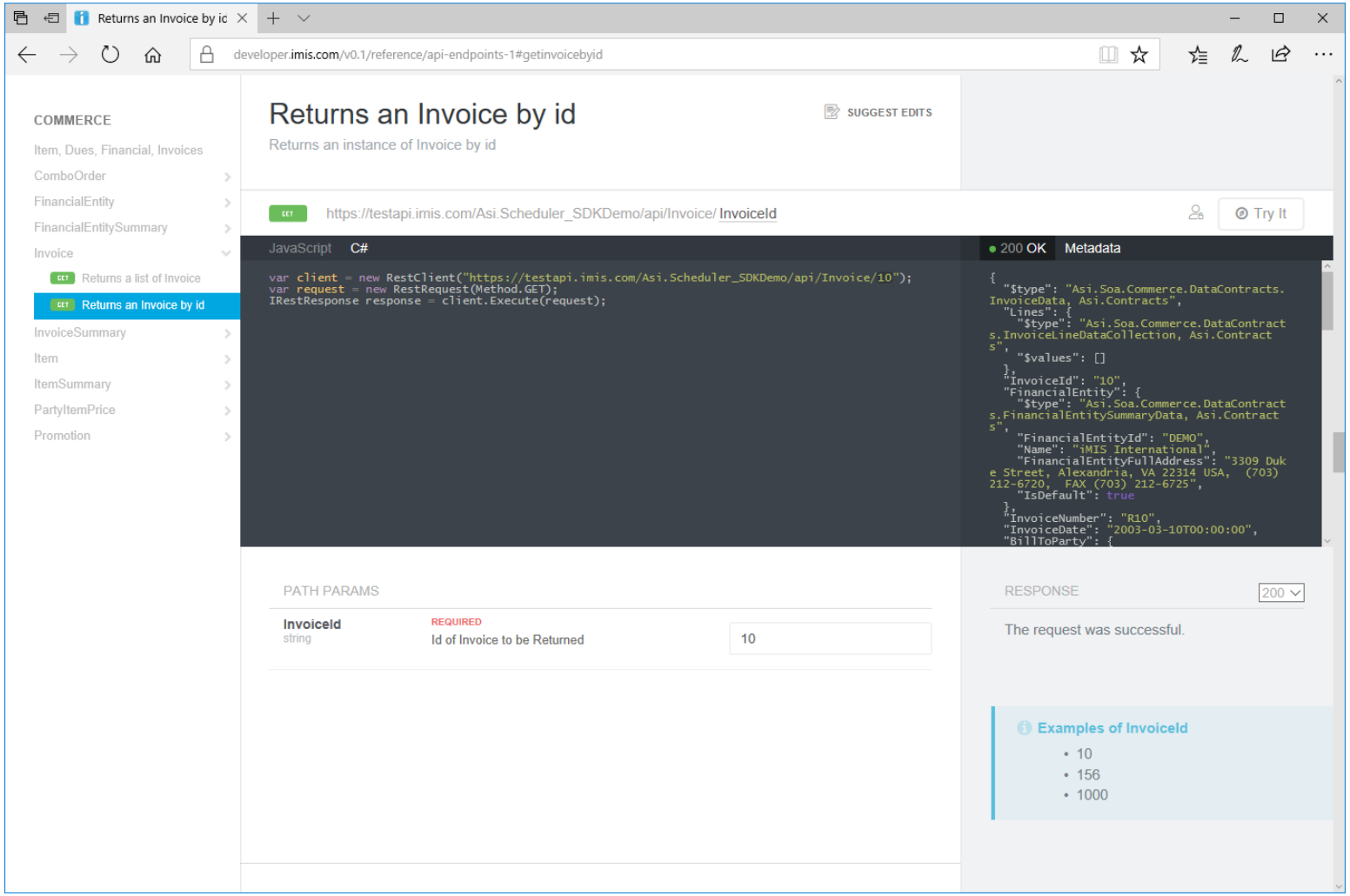
}

AdditionalChargeDataCollection ⌄ [
A collection of additional charges.

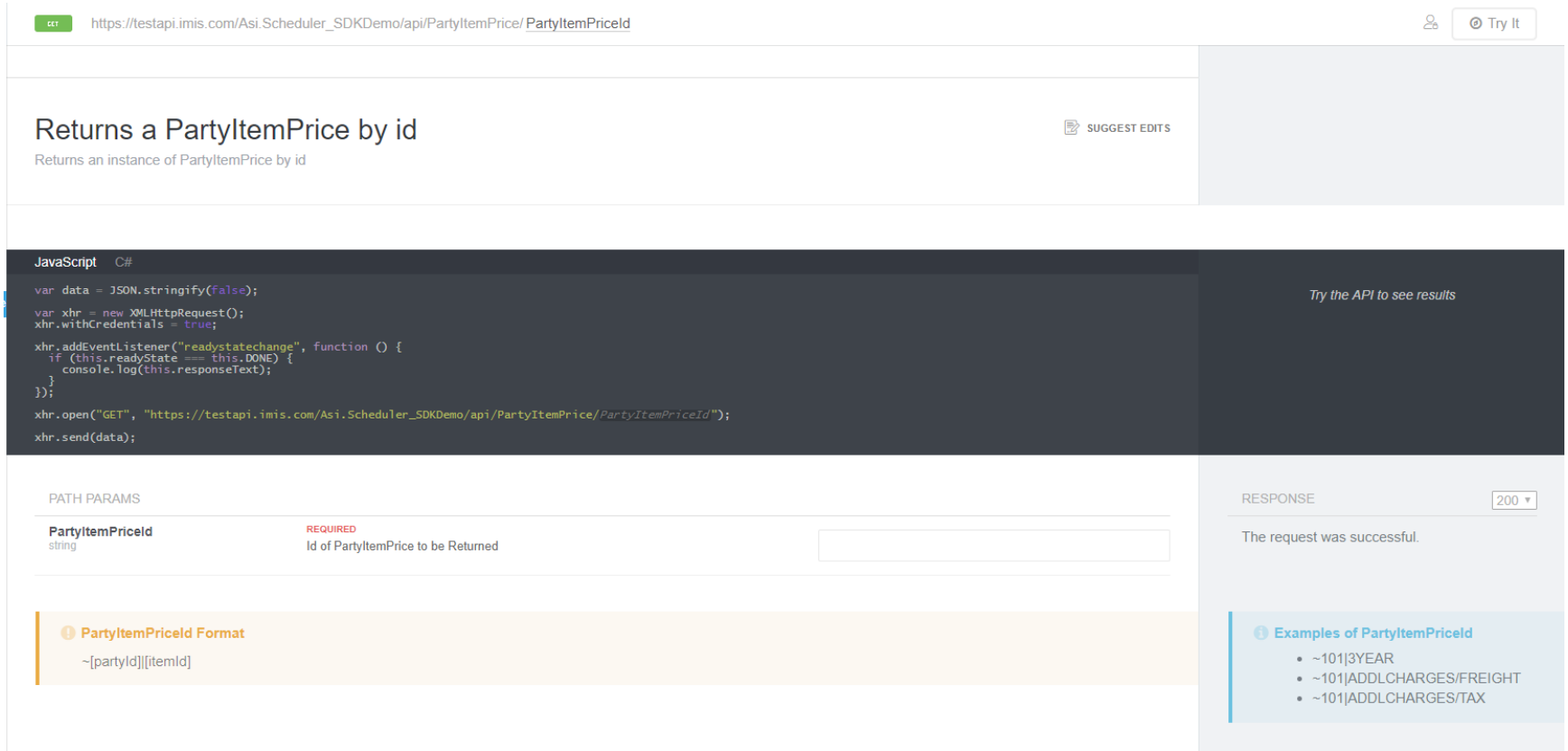
Collection Example

```
"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/I
                    }
                ]
            },
```

REST API Reference Example



REST API Reference Format



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.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/"}">
```

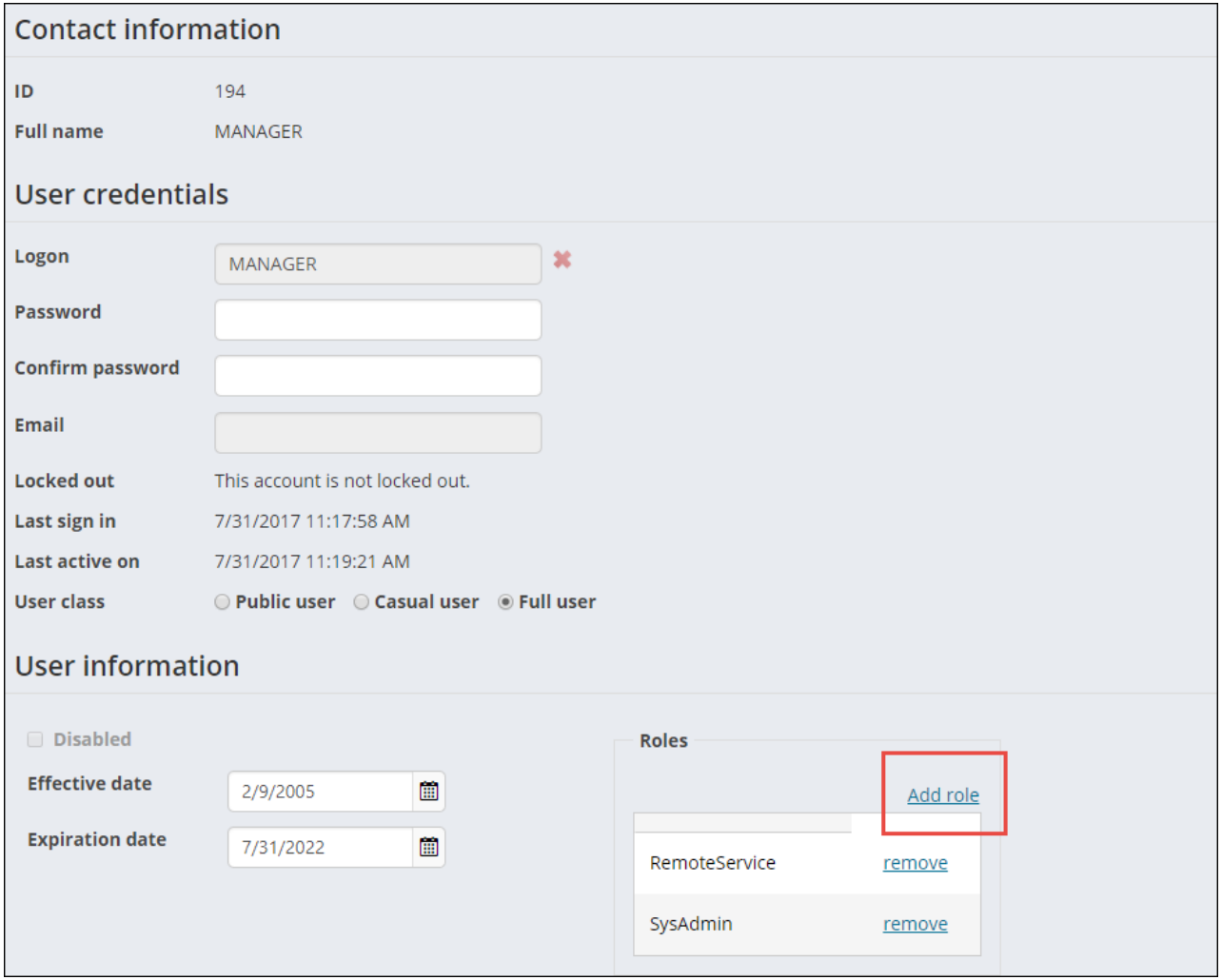
Pass-Through Access

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

        contentType: "application/json",

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

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

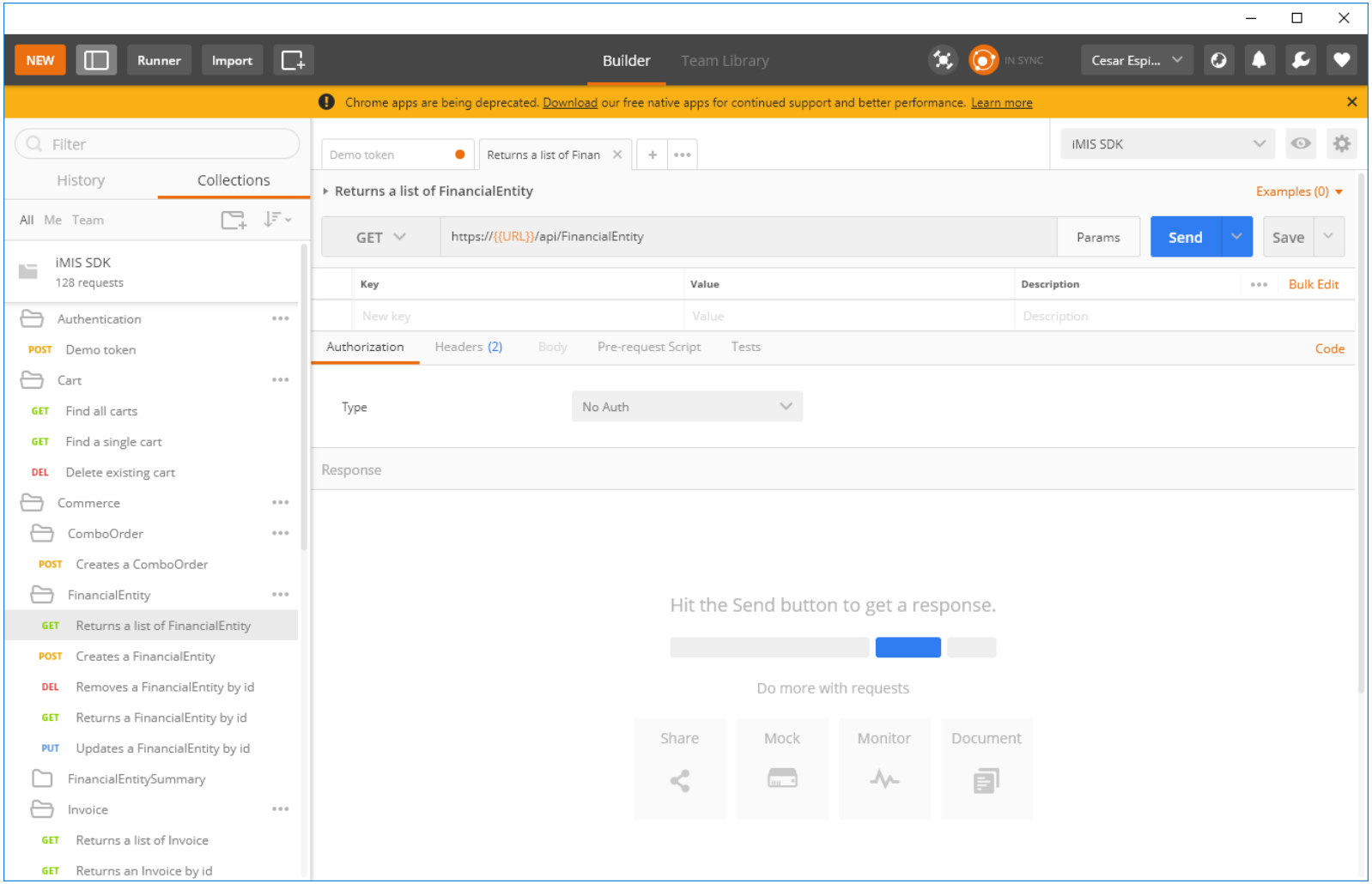
Pass-Through Access

```
> 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: ƒ, getAllResponseHeaders: ƒ, setRequestHeader: ƒ, overrideMimeType: ƒ, …}
  ▼{$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

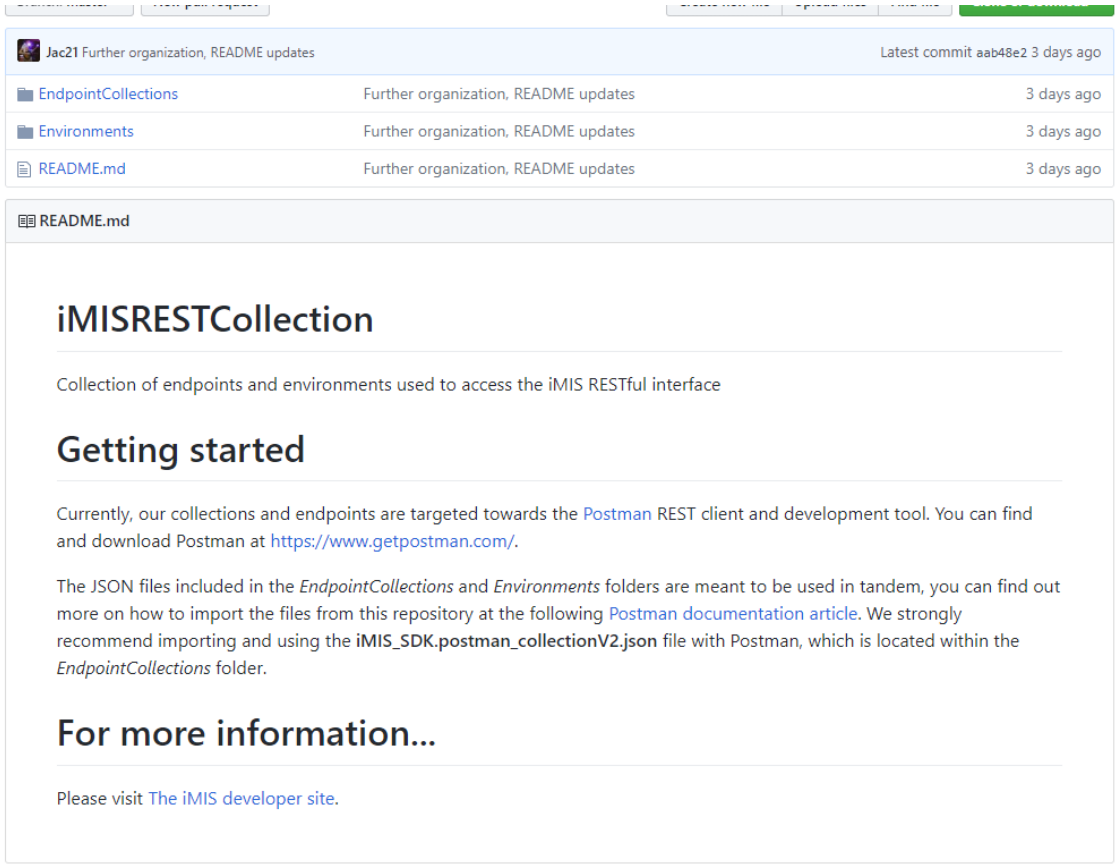


Using Postman with the iMIS API



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

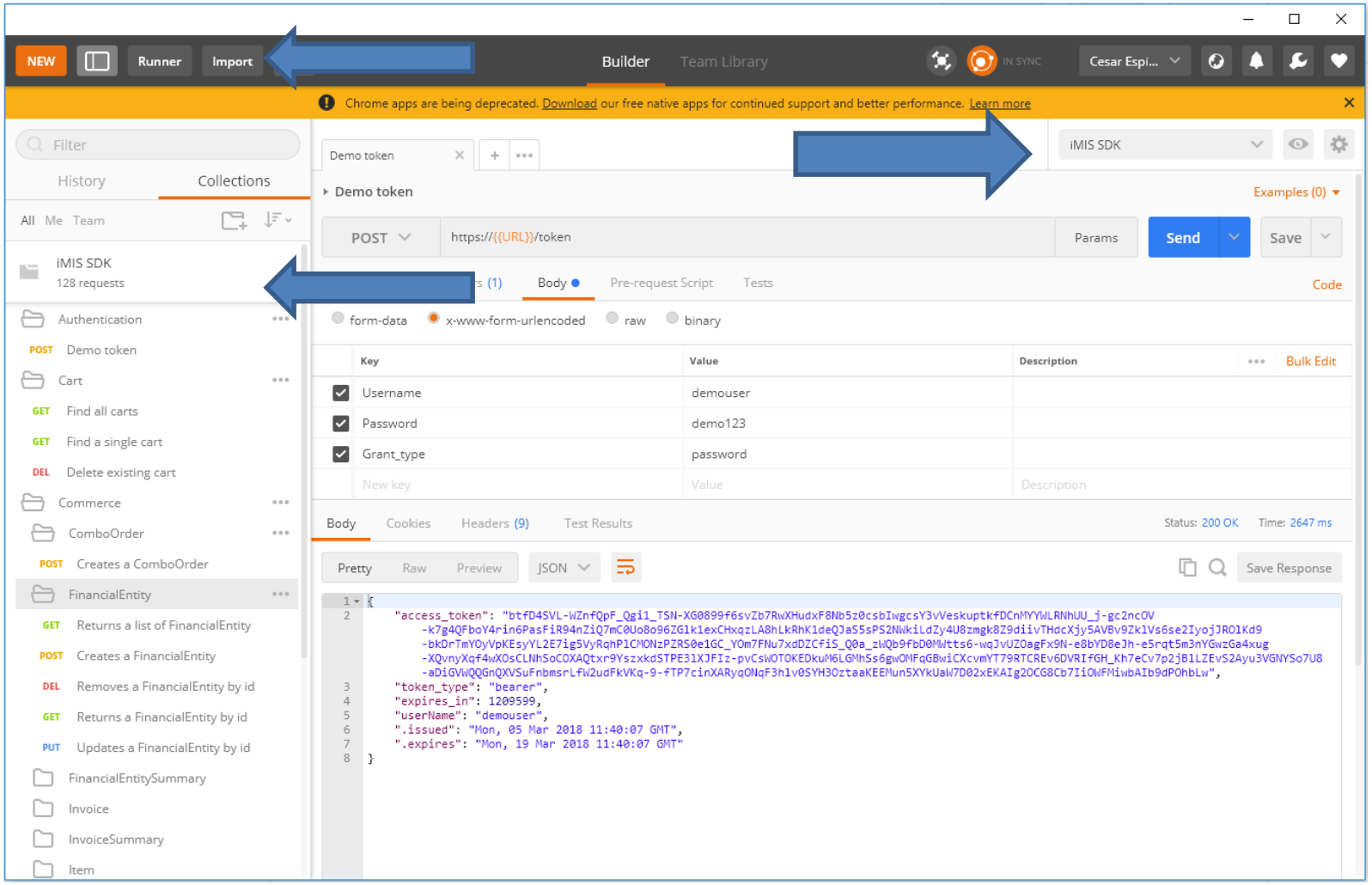
Currently, our collections and endpoints are targeted towards the Postman REST client and development tool. You can find and download Postman at https://www.getpostman.com/.

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.

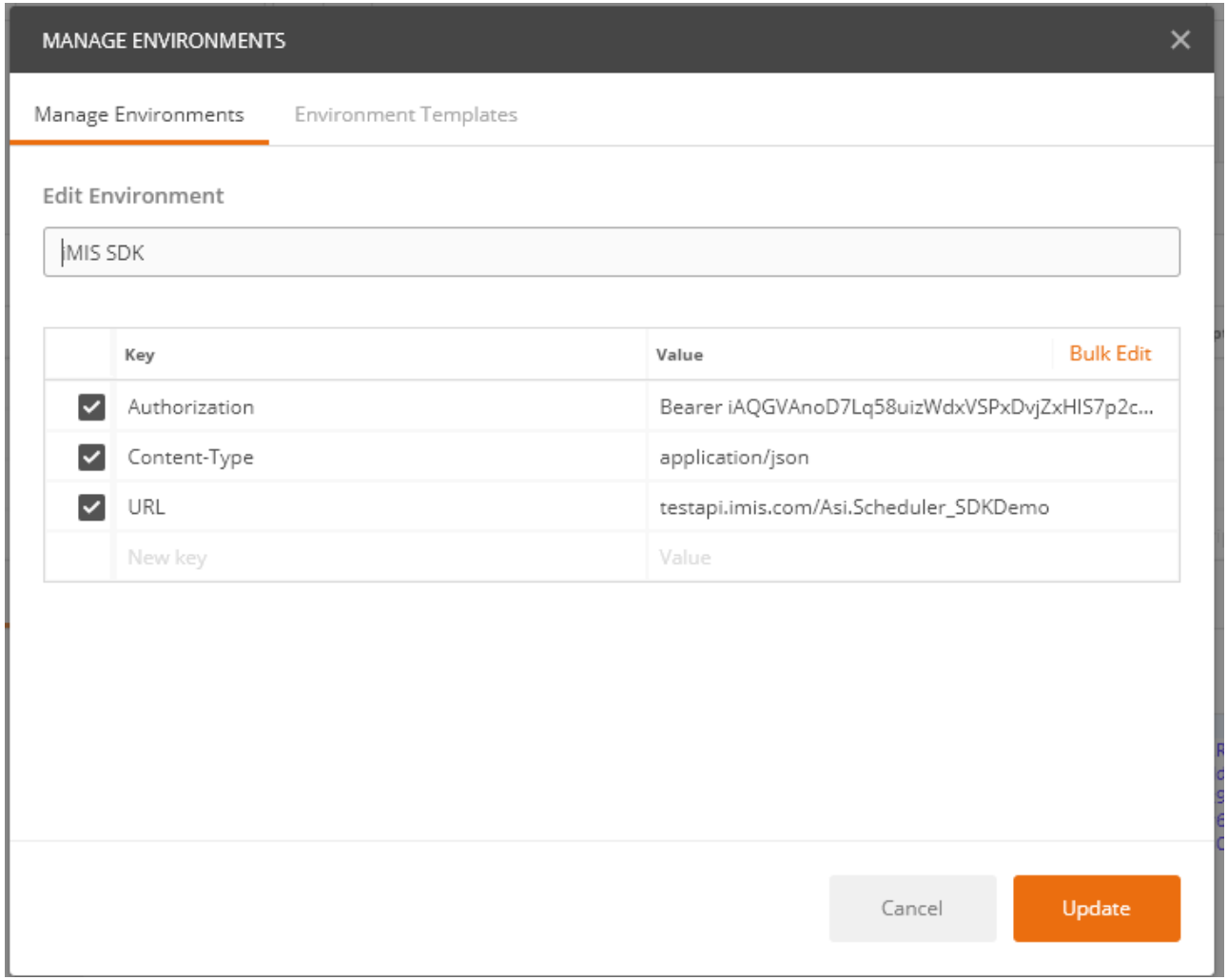
For more information...

Please visit The iMIS developer site.

Using Postman with the iMIS API



Using Postman with the iMIS API



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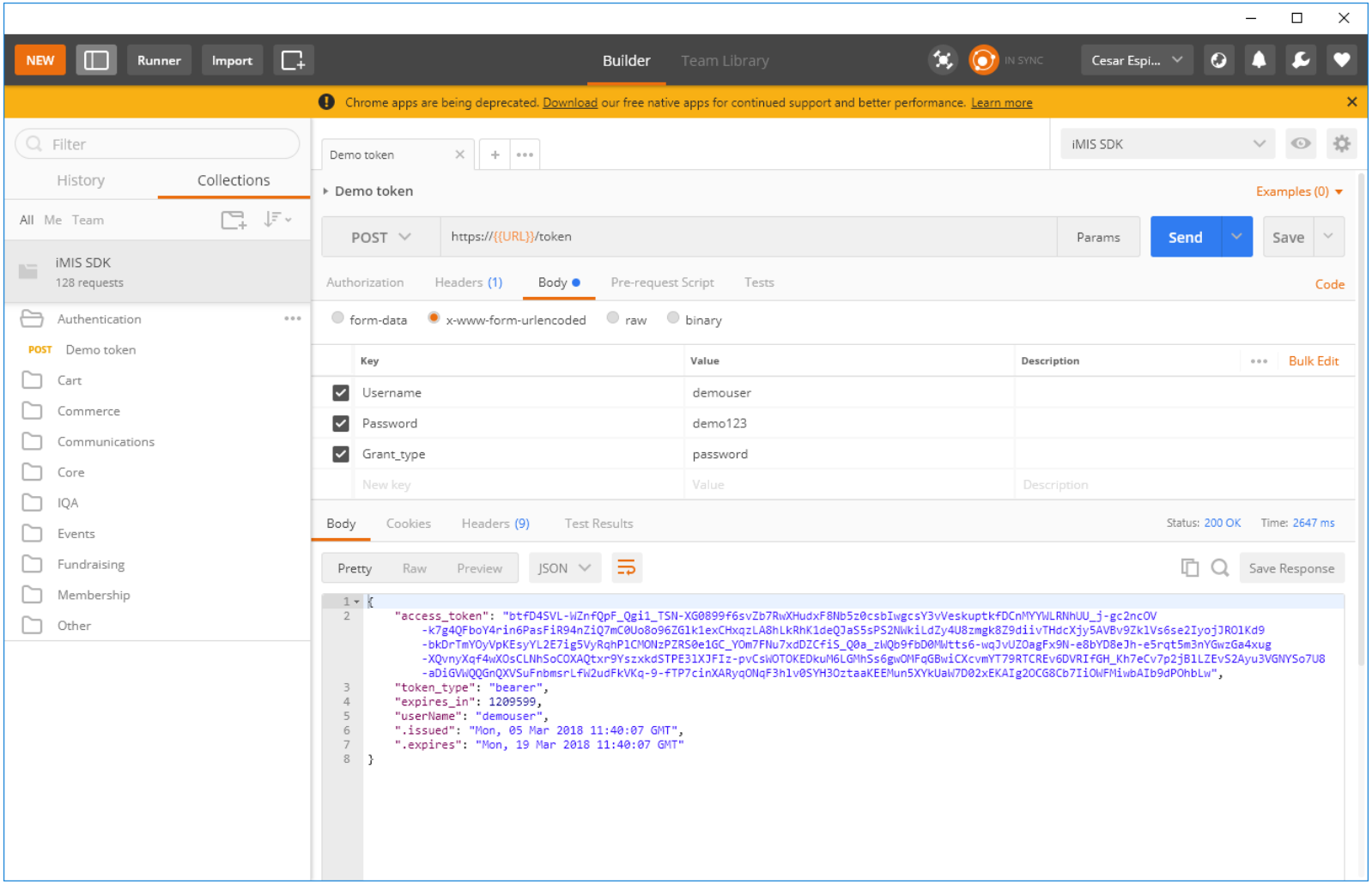
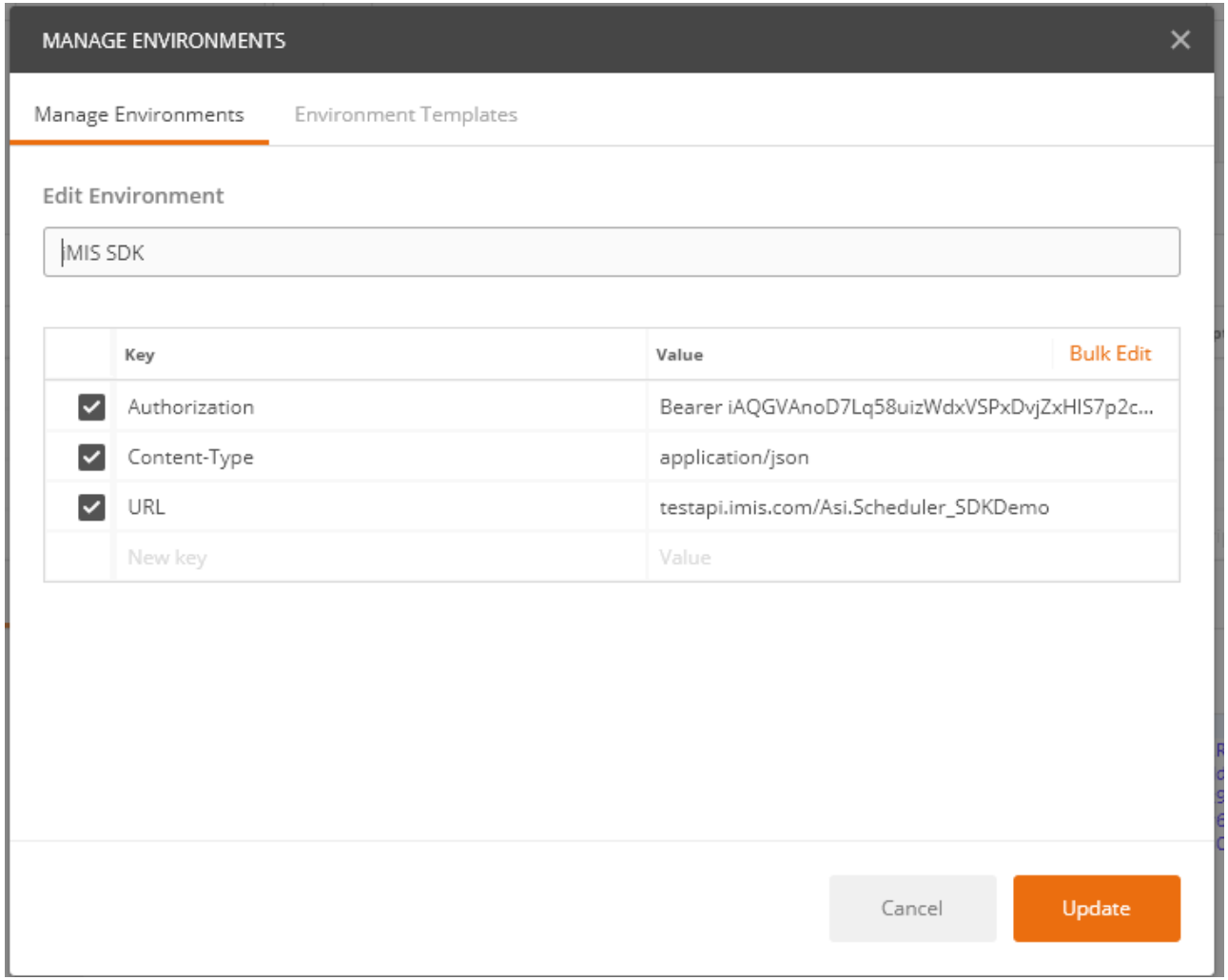
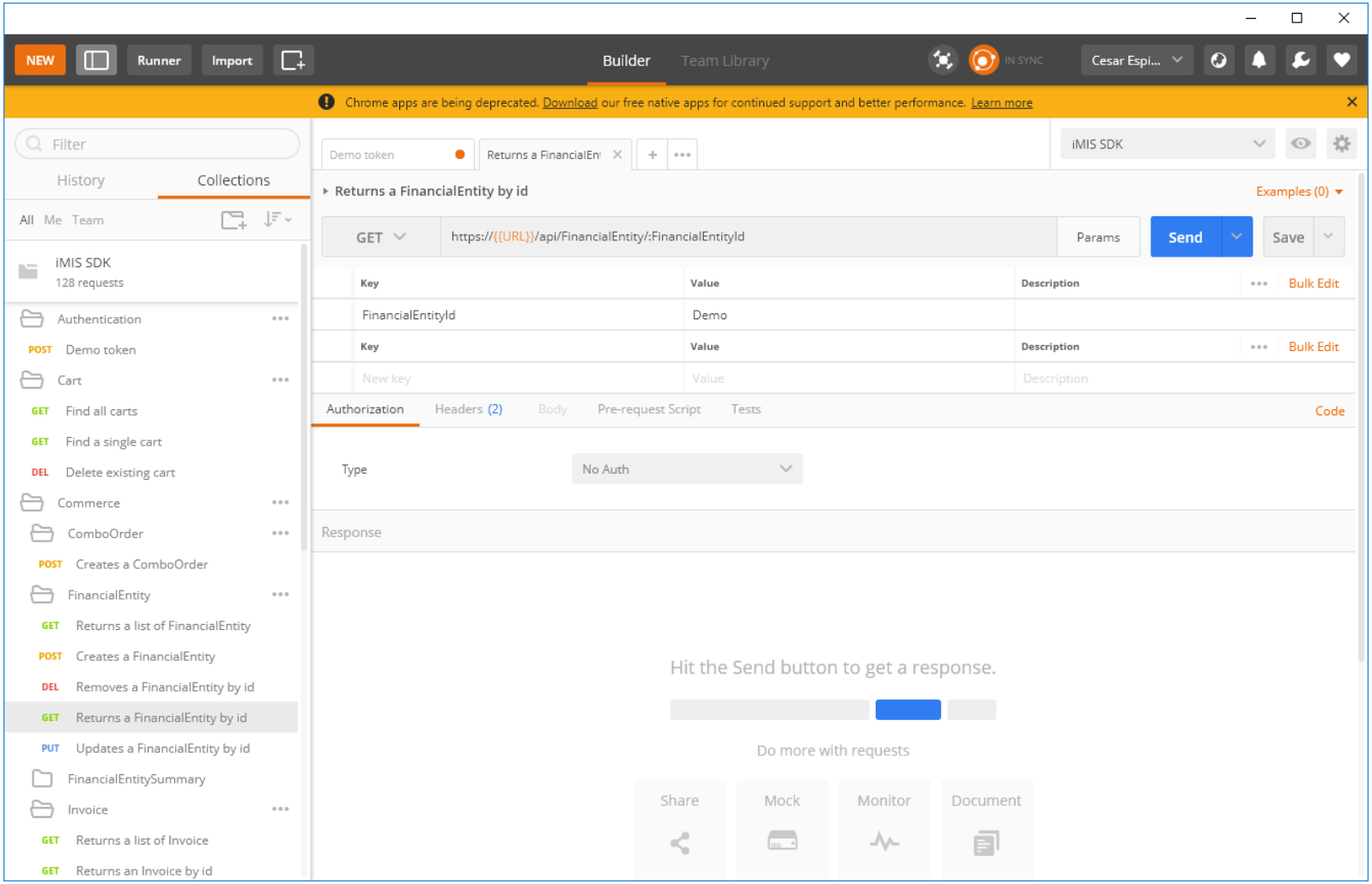


Using Postman with the iMIS API



Postman Parameters



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