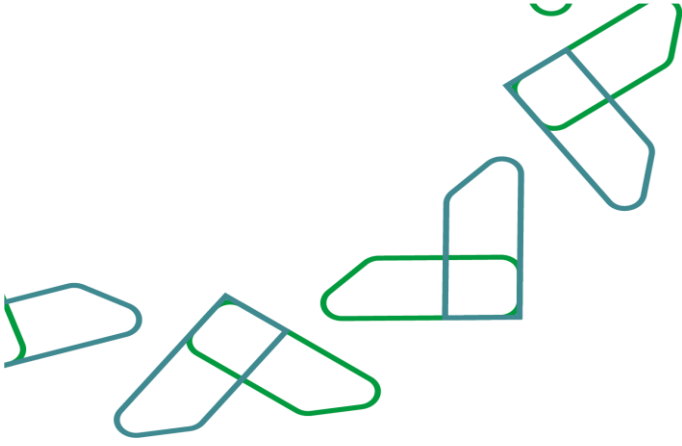




اعتقاد
Etimad

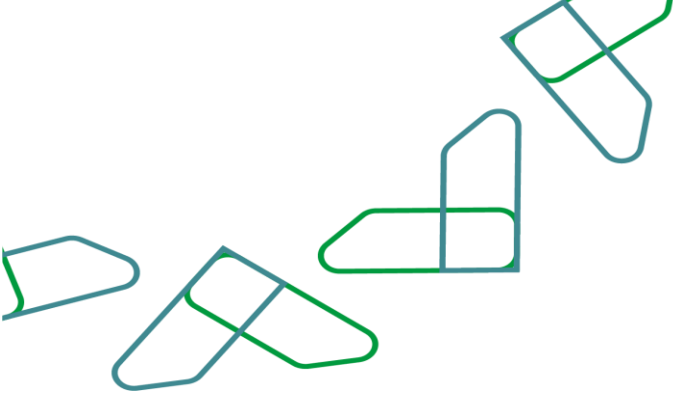


Integration Guide Document

Contracts Plus for Banks

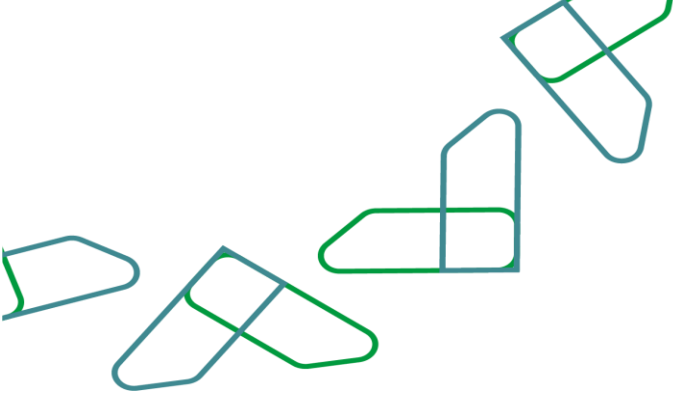
Version: 1.0

Contracts Plus for Banks IG
Date: November 17, 2023



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Overview

Etimad's developer platform [<https://www.apiportal.etimad.sa>] provides many API products, tools, and resources that enable you to complete many functions in your entity.

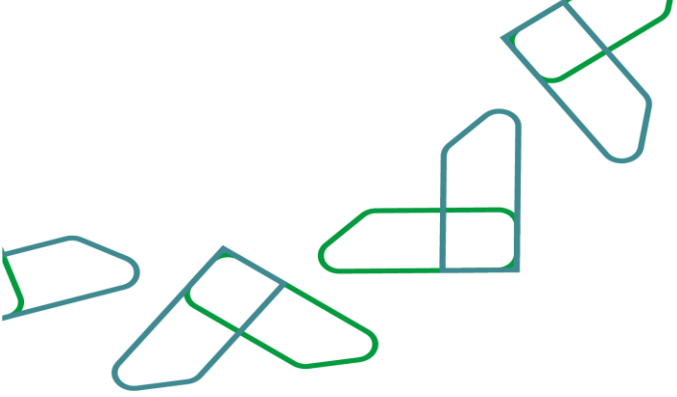
This document describes what's possible to build with the different tools and APIs that are available on the platform, and how to get the access and information that you need to get started.

We regularly update and improve the experience and products available on the developer platform. These improvements make it important for you to stay informed so you don't miss any updates.

This guide provides an overview of the integration process as well as step-by-step instructions to completing it. Please note that you can also use the instructions provided within the Etimad developer platform [<https://www.apiportal.etimad.sa>] to guide you through the steps of the integration. You will gain access to the Etimad developer platform after an account is created for you.

There are fees for current API when it returns a success response, the fees depend on agreement with Etimad.

Connectivity will be through Internet.



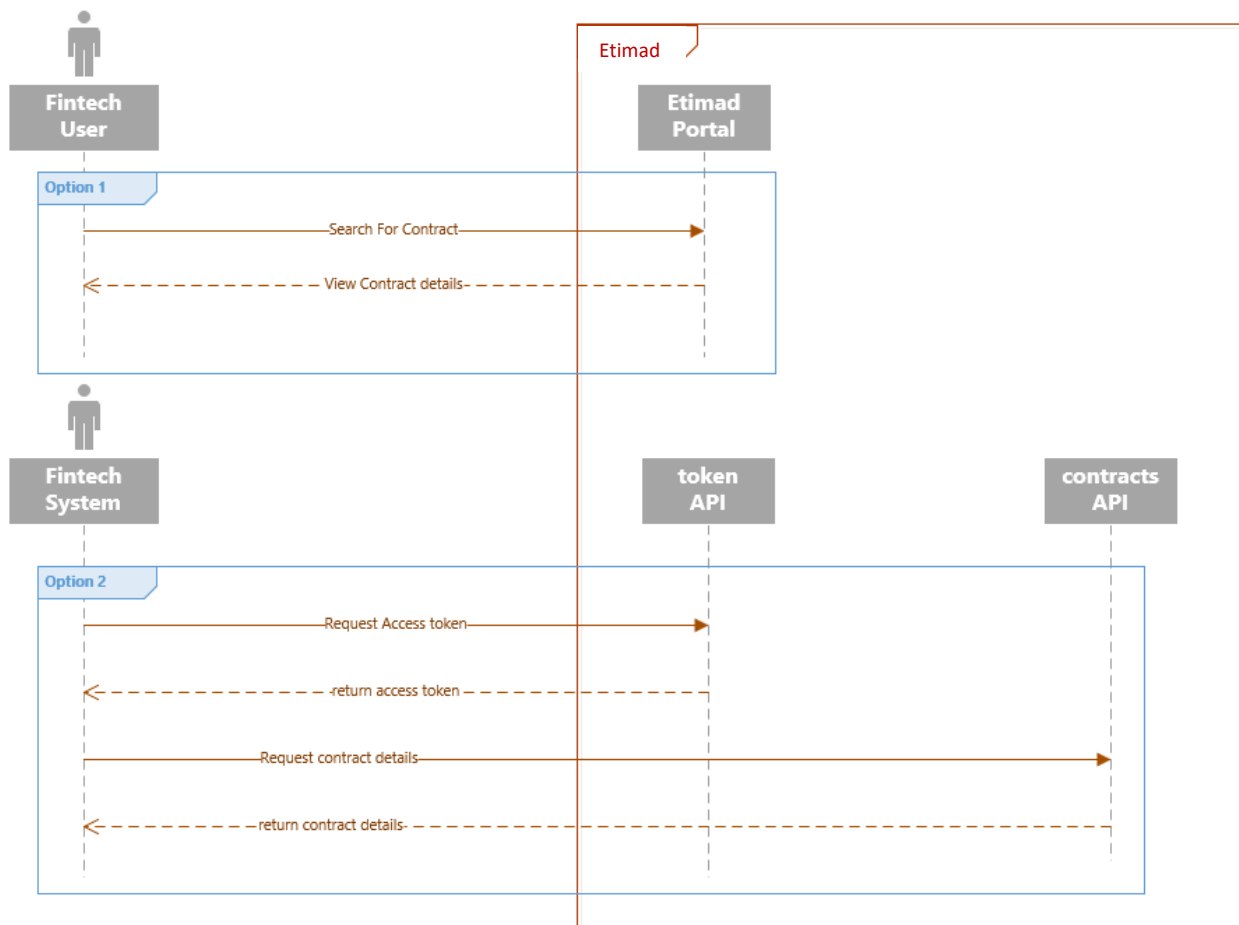
Terminology

Term		Description
NCGR		National Center for Governmental Resource
IG		Integration Guide
CR		Commercial Reference

Prerequisites & Requirements

All integrations must comply with the Etimad Acceptable Use Policy and API Terms.

State Diagram & Sequence Diagram



API Definition Card and Service samples

contractsPlus API

API Definition Card				
API Name	contractsPlus			
API Description	This API is used by financial sectors (Bank, Fintech...etc.) to inquire certain details about vendors’ contracts with governmental agencies or list of contracts.			
End Point	GET https://[Server IP]:[port]/banking/v1/contracts			
HTTP Request Headers				
Element Name		Usage	Element Value	
Authorization		R	Access token from token API	
X_MOF_RqUID		R	Unique, Auto generated, GUID format	
X_MOF_ClientID		R	client Id of application of entity	
Query Parameters				
Element	Data Type	Allowed Value	Usage*	Description
idType	String	‘01’ → CR ‘02’ → beneficiaryId ‘03’ → 700Id	O	Vendor Identification Type
idValue	String		O	Value of CR or 700Id depend on idType
sortBy	String	‘amount’ or ‘contractStartDate’ or ‘contractEndDate’	O	
sortOrder	String	‘DESC’ or ‘ASC’	O	Sorting order
XOR				
Option =1				
contractNumber	String		R	Contract Number
Option =2				
Offset	Number		R	offset
limit	Number		R	limit
End XOR				
HTTP Response Headers				
Element Name		Element Value		
Content-Type		application/json; charset=UTF-8		
Response Elements				
Element	Data Type	Allowed Value	Usage*	Description

Object				
meta	Object		O	Meta Data
totalRecords	Number		R	Total matched records
offset	Number		O	Offset
limit	Number		R	Limit
next	String		O	Next page URI الصفحة التالية
previous	String		O	Previous page URI الصفحة السابقة
data	Array		O	Data
Object				
name	String		R	Contract Name اسم العقد
referenceNumber	String		R	Contract Reference Number الرقم المرجعي للعقد
amount	Number		R	Contract Amount قيمة العقد
totalReleasedAmount	Number		O	Total Released Amount المبلغ المنصرف الفعلي للعقد
govAgency	Object		R	Governmental Agency الجهة الحكومية المالكة للعقد
agencyCode	String (12)		O	
agencyName	String		R	
duration	Object		O	
startDate	Date	YYYY-MM-DD	O	Contract Start Date تاريخ بداية العقد
endDate	Date	YYYY-MM-DD	O	Contract End Date تاريخ نهاية العقد
vendors	Array		R	vendor list قائمة المقاولين
Object				
name	String		R	Vendor name اسم المقاول
CRNumber	String		R	Vendor CR number رقم السجل التجاري للمقاول
isMainVendor	Boolean	'false' → No 'true' → Yes	R	Is Main Vendor مقاول أساسي أم لا
financialClaims	Array		O	Financial Claim list قائمة المستخلصات
Object				
referenceNumber	String		R	Claim reference number رقم المستخلص
amount	Number		R	Claim Amount قيمة المستخلص
status	String	'ملغي' 'معتمد' 'معاد للتعديل'	R	Claim Status حالة المستخلص

		تحت الإجراء		
paymentOrders	Object		O	
bankName	String		O	Bank Name اسم البنك
accountNumber	String		O	Account Number or IBAN رقم الحساب
paymentOrderDate	Date	YYYY-MM-DD	O	Payment Order Date تاريخ أمر الدفع

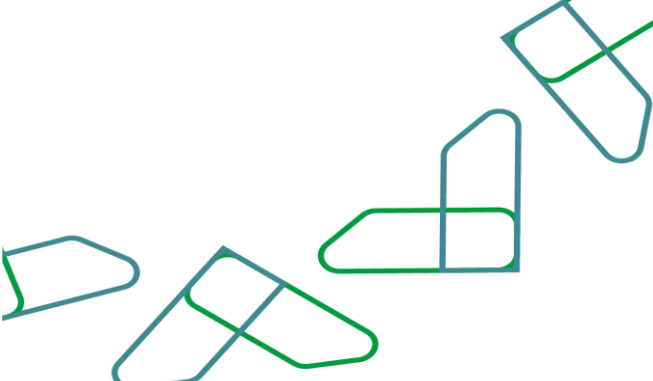
Error Elements				
Element	Data Type	Allowed Value	Usage*	Description
Object				
errors	Array			
Object				
code	String		R	Error Code
detail	String	Refer to Detailed Response Messages	O	Error details
type	String	BusinessError TechnicalError	O	Error Type
link	String		O	documentation URL for help
in	Array		O	
Object				
name	String	Refer to Detailed Response Messages	R	Field name caused bad request error
type	String		R	Field type caused bad request error
reason	String	Refer to Detailed Response Messages	O	Reason of validation error

Sample Request

```
> GET https://[Server]:[port]/banking/v1/contracts?offset=1&limit=1&idType=01&idValue=2251037375
HTTP/1.1
> Authorization: Bearer yISkZljbDWybfs4fUQe9BqP0LH5Z
> X_MOF_RqUID: bc57fb47-0dd2-446e-84f2-27d19eac5f7d
> X_MOF_ClientID: 3FIOG9vSGV4VHo4QzAySVg
```

Sample Success Response

```
{
```



```

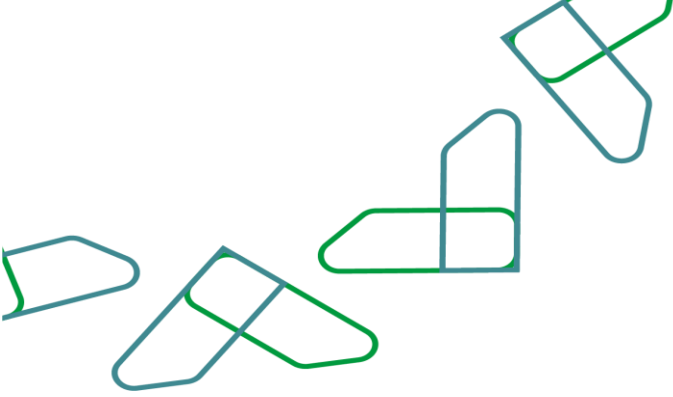
"meta": {
  "totalRecords": 14,
  "limit": 1,
  "offset": 1,
  "next": "/banking/v1/contracts?offset=2&limit=1",
  "previous": null
},
"data": [
  {
    "name": "عقد غير سنوي مصروف جزئي",
    "referenceNumber": "221101000013",
    "amount": 100,
    "totalReleasedAmount": 100,
    "govAgency": {
      "agencyCode": "010000000000",
      "agencyName": "وزارة الرياضة"
    },
    "duration": {
      "startDate": "2022-11-14",
      "endDate": "2020-10-12"
    },
    "vendors": [
      {
        "name": "شركة خالد عبدالله الصافي",
        "CRNumber": "2251037375",
        "isMainVendor": true
      }
    ],
    "financialClaims": [
      {
        "referenceNumber": "221102000216",
        "amount": 100,
        "status": "معتمد"
      }
    ],
    "paymentOrders": {
      "bankName": "البنك الاهلي التجاري",
      "accountNumber": "SA0810000025349844000102",
      "paymentOrderDate": "2022-11-27"
    }
  }
]
}

```

```

< HTTP/1.1 400 Bad Request
< Content-Type: Application/json
{
  "errors": [

```



```
{
  "Code": " A002400",
  "detail": "Validation format failed. Please return to documentations ",
  "type": "BusinessError",
  "link": "",
  "in": [{
    "name": "contractNumber",
    "type": "query",
    "reason": " must be 12 digits"
  }]
}
```

Security Options

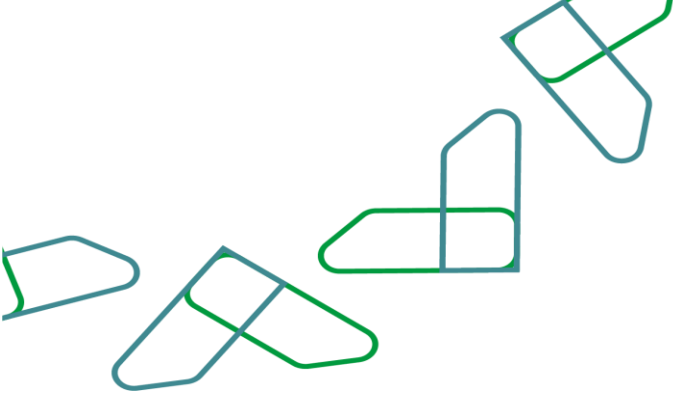
- OAuth and TLS 1.2 protocol
- client-id & client-secret: to be shared.

Http Response Codes

HTTP status code	Error Description	Correction Action	Retry
200	OK		N
400	Bad Request	Check error message	N
401	Unauthorized	Access token expired or invalid	N
403	Forbidden	Make sure you're permitted to call this service, check error "A003403"	N
404	Not Found	The resource which the client is requesting for doesn't exist	N
408	Backend Timeout	Check with service provider	Y
500	Internal Server Error.	N/A	Y

Detailed Response Messages

Code	detail	name	reason
A001400	Some Required Fields are not founded in your request, Please return to documentations.	The name of missed query	N/A



A002400	Validation format failed. Please return to documentations	The name of query or header	The reason of the failure
A001404	contract not found	N/A	N/A
A001403	Your System is not subscribed at NCGR subscription	N/A	N/A
A001500	Internal Server Error	N/A	N/A