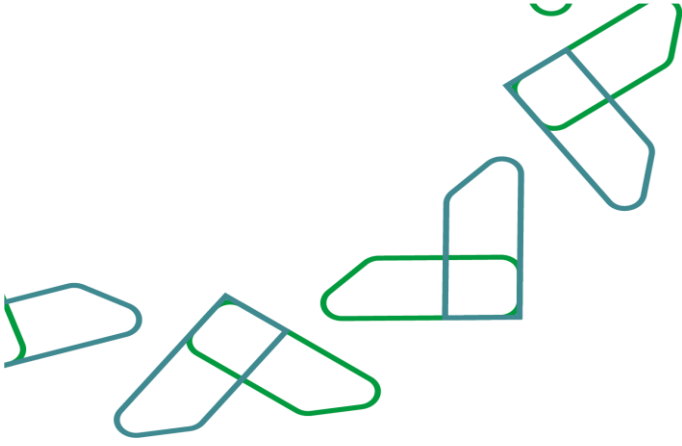




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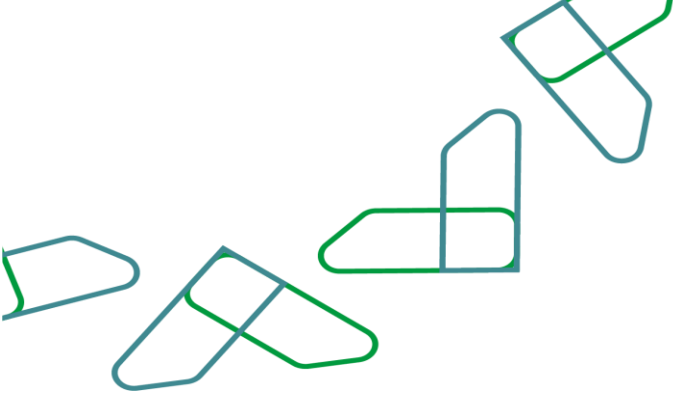


Integration Guide Document

Contracts for Banks

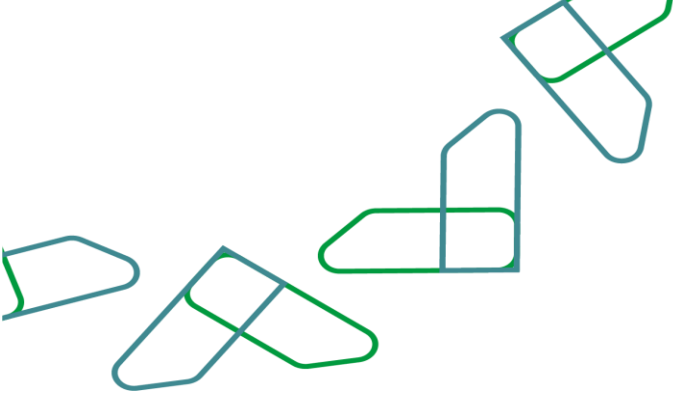
Version: 2.0

Contracts for Banks IG
Date: April 14, 2021



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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.

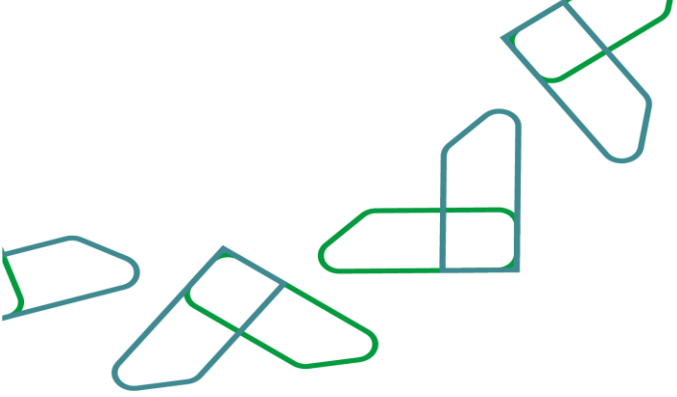
This document describes what's possible to build with the different tools and APIs that are available on the platform, and how to get the access and information that you need to get started.

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.



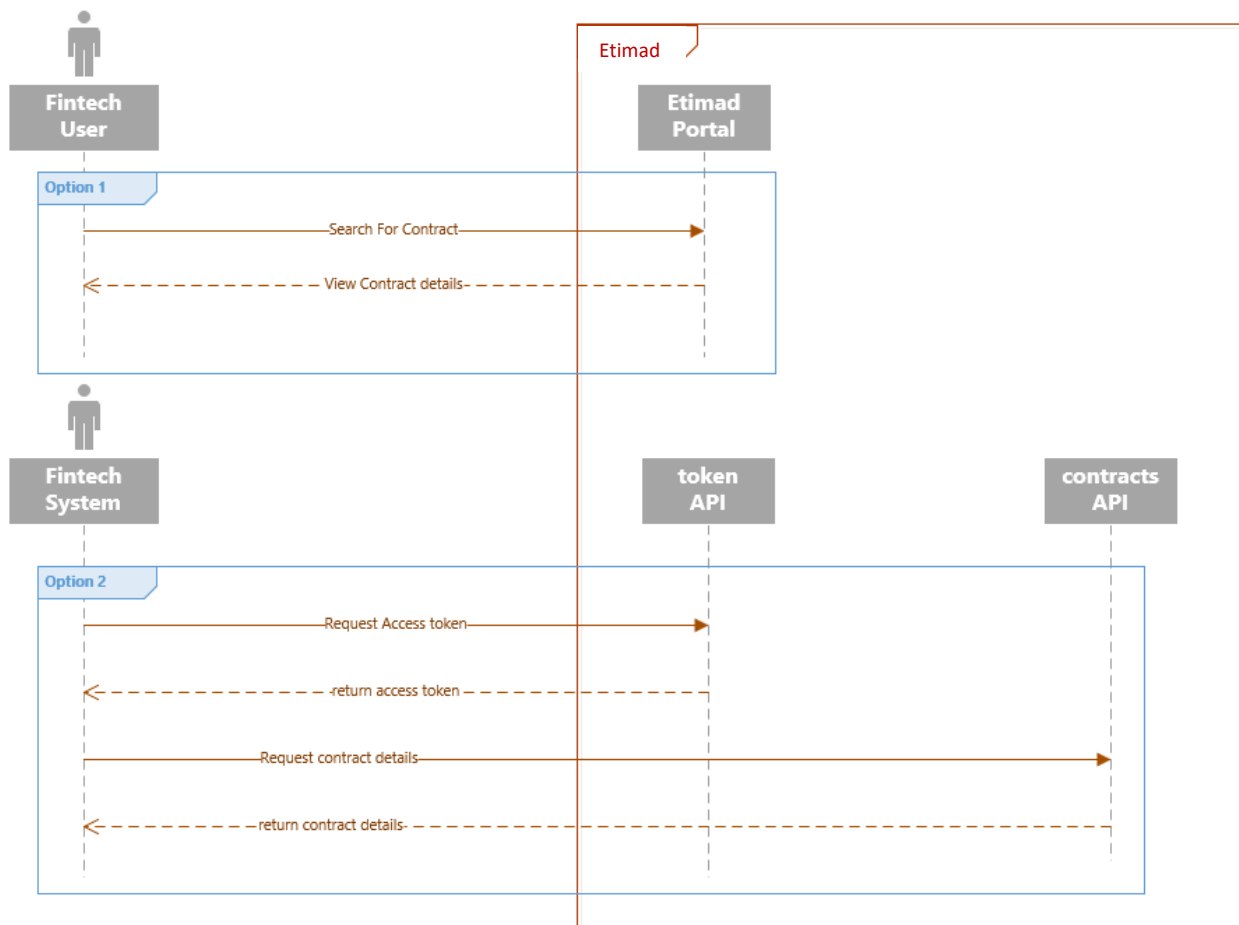
Terminology

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



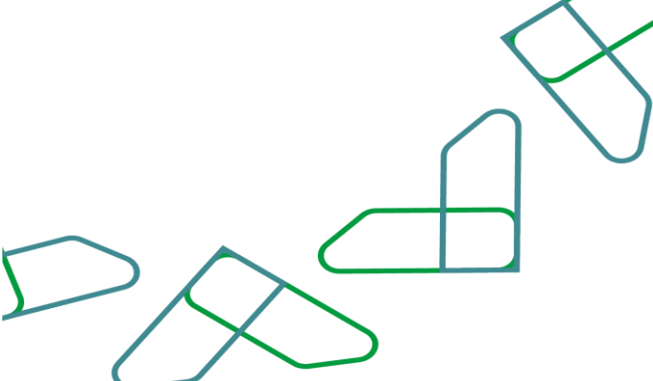
API Definition Card and Service samples

contracts API

API Definition Card					
API Name	contracts				
API Description	This API is used by financial sectors (Bank, Fintech...etc.) to inquire certain details about vendors’ contracts with governmental agencies.				
End Point	GET https://[Server IP]:[port]/banks/v2/contracts/{contractNumber}				
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		
X_EXT_UserName		R	Representative of user who made a query		
Path Parameters					
Element	Data Type	Allowed Value	Usage*	Description	
contractNumber	String		R	Contract Number	
Query Parameters					
Element	Data Type	Allowed Value	Usage*	Description	
idType	String	‘01’ → CR ‘02’ → beneficiaryId ‘03’ → 700Id	R	Vendor Identification Type	
idValue	String		R	Value of CR or 700Id depend on idType	
HTTP Response Headers					
Element Name		Element Value			
Content-Type		application/json; charset=UTF-8			
Response Elements					
Element		Data Type	Allowed Value	Usage*	Description
Object					
data		Object		O	Data
name		String		R	Contract Name اسم العقد
referenceNumber		String		R	Contract Reference Number

				الرقم المرجعي للعقد
govAgency	Object		R	Governmental Agency الجهة الحكومية المالكة للعقد
agencyCode	String (12)		O	
agencyName	String		R	
amount	Number		R	Contract Amount قيمة العقد
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
totalReleasedAmount	Number		O	Total Released Amount المبلغ المنصرف الفعلي للعقد
vendors	Array		R	vendor list قائمة المقاولين
Object			R	
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			R	
referenceNumber	String		R	Claim reference number رقم المستخلص
amount	Number		R	Claim Amount قيمة المستخلص
status	String	Refer to Appendices	R	Claim Status حالة المستخلص
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			O	
code	String		R	Error Code
detail	String	Refer to Detailed	O	Error details



		Response Messages		
type	String	BusinessError TechnicalError	O	Error Type
link	String		O	documentation URL for help
in	Array		O	
Object			O	
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

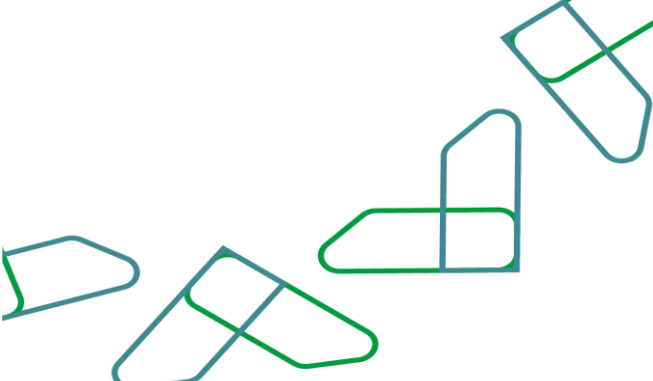
Sample Request

```
> GET https://[Server]:[port]/banks/v1/contracts/191201000575?idType=01&idValue=2251037375
HTTP/1.1
> Authorization: Bearer yISkZljbdWybfs4fUQe9BqP0LH5Z
> X_MOF_RqUID: bc57fb47-0dd2-446e-84f2-27d19eac5f7d
> X_MOF_ClientID: 3FIOG9vSGV4VHo4QzAySVg
> X_EXT_UserName: Ahmed
```

Sample Success Response

```
< HTTP/1.1 200 OK
< Content-Type: Application/json
{
  "data": {
    "name": "2 GFS",
    "referenceNumber": "191201000575",
    "govAgency": {
      "agencyCode": "019001000000",
      "agencyName": "وزارة الشؤون البلدية والقروية – الديوان العام"
    },
    "amount": 500000,
    "duration": {
      "startDate": "2019-07-21",
      "endDate": "2020-07-21"
    },
    "totalReleasedAmount": 0,
    "vendors": [
      {
        "name": "شركة خالد عبد الله الصافي",

```



```

        "CRNumber":"2251037375",
        "isMainVendor":"true"
    },
    ],
    "financialClaims":[
        {
            "referenceNumber":"191202000577",
            "amount":300000,
            "status":"PO_3",
            "bankName": "مصرف الراجحي",
            "accountNumber":"SA1880000126608010224193",
            "paymentOrderDate":"2019-12-09"
        },
        {
            "referenceNumber":"191202000583",
            "amount":200000,
            "status":"PO_3",
            "bankName": "مصرف الراجحي",
            "accountNumber":"SA1880000126608010224193",
            "paymentOrderDate":"2019-12-09"
        }
    ]
}

```

```

< 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":"URIPath",
        "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.	N/A	N/A
A002400	Validation format failed. Please return to documentations	contractNumber	must be 12 digits
		idType	Value is not allowed
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

Appendices

Claim Status

Request Status	Request Status Desc
FC_1	المطالبة - جديده
FC_2	المطالبة - معادة للتعديل
FC_3	المطالبة - معتمدة

FC_4	المطالبة - تحت الاجراء
FC_5	المطالبة - ملغية
RO_1	أمر صرف - جديد
RO_2	أمر صرف - معاد للتعديل
RO_3	أمر صرف - معتمد
RO_4	أمر صرف - تحت الاجراء
RO_5	أمر صرف - ملغي
PO_1	أمر دفع - جديد
PO_2	أمر دفع - معاد للتعديل
PO_3	أمر دفع - معتمد
PO_4	أمر دفع - تحت الاجراء
PO_5	أمر دفع - ملغي