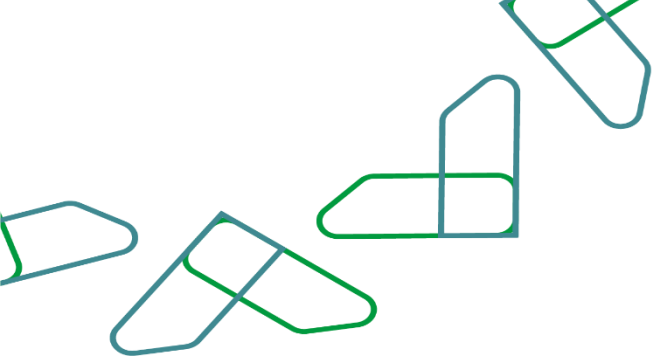




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Etimad



Integration Guide Document

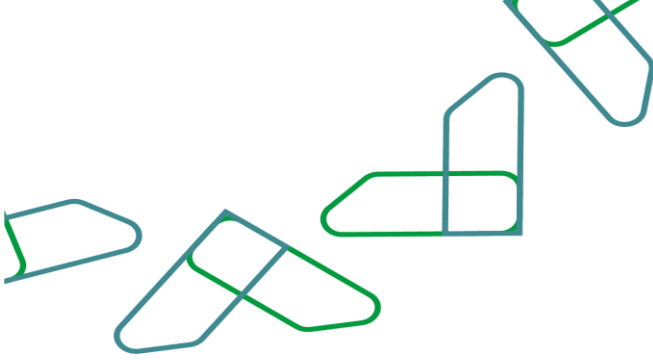
Employee Salary Certificate (pay slip)

Version: 2.0

Salary certificate (payslip)

IG

Date: July 29, 2021



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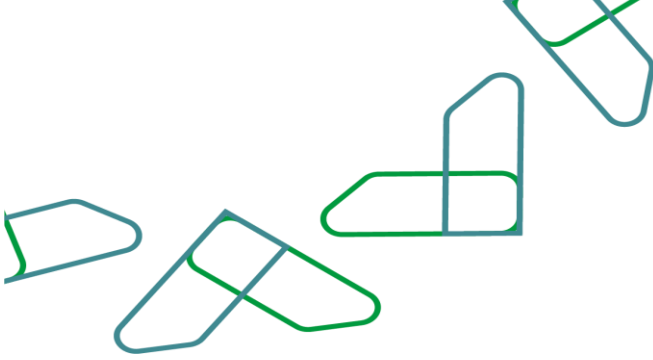
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Overview

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.

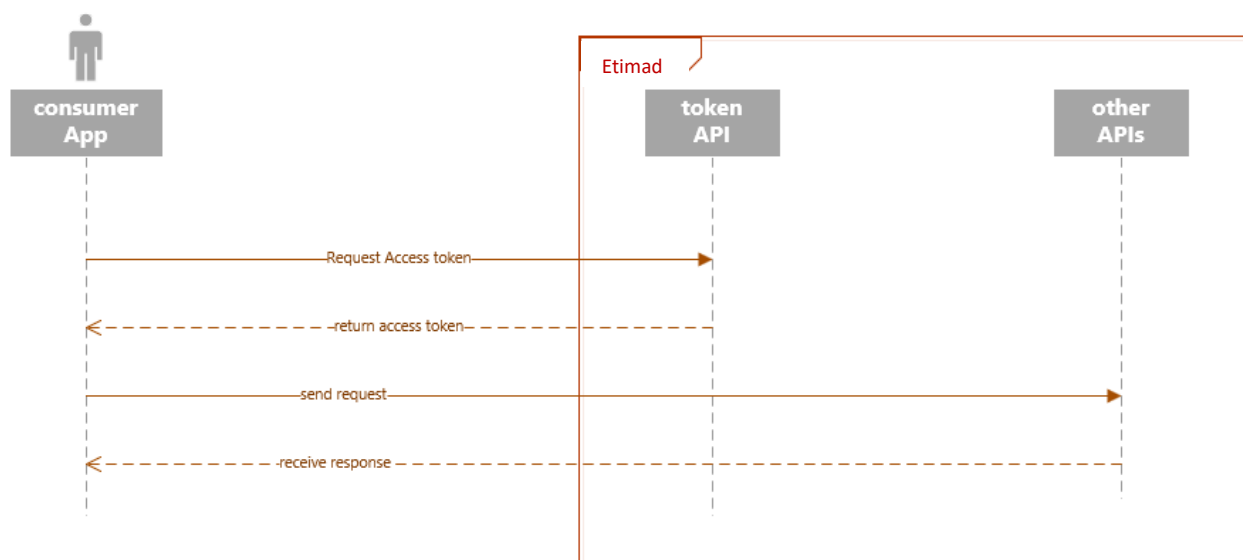
Terminology

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.

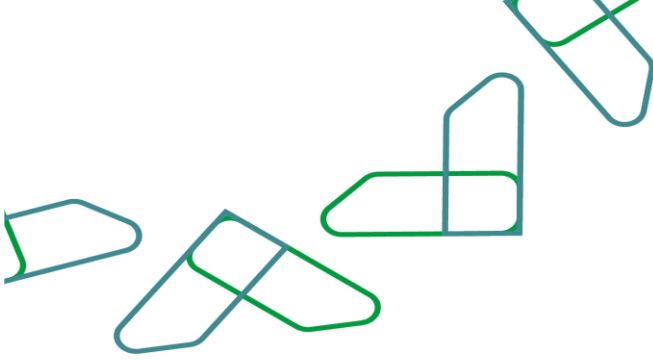
State Diagram & Sequence Diagram



API Definition Card and Service samples

payslip API

API Definition Card					
API Name	payslip				
API Description	This API is used by financial sectors (Bank, Fintech...etc.) to inquire for last salary of governmental employees.				
End Point	GET https://[Server IP]:[port]/employee/v2/payslip				
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 Banks or fintech companies		
X_EXT_RequestReason		R	Consumer must to say the reason of this inquiry		
Query Parameters					
Element	Data Type	Allowed Value	Usage*	Description	
nationalNumber	String		R	Employee National Number	
birthDate	date	YYYY-MM-DD	R	Employee Birth Date	
dateType	String	Hijri / Gregorian	R	Date Type	
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		Array		O	Data
personalInfo		Object		R	
employeeNameAr		string		R	Employee Name Arabic
employeeNameEn		string		O	Employee Name English
employerInfo		Object		R	
agencyCode		string		R	Governmental Agency Code
agencyName		string		R	Governmental Agency Name
bankInfo		Object		R	
accountNumber		string		R	IBAN



bankCode	string		R	Bank Code
bankName	string		R	Bank Name
employmentInfo	Object		R	
employeeJobNumber	string		R	Employee Job Number
employeeJobTitle	string		R	Employee Job Title
agencyEmploymentDate	Date	yyyy-mm-dd	R	Agency Employment Date
payslipInfo	Object		R	Pay slip
payMonth	string	yyyy-mm	R	Pay Month
basicSalary	number		R	Basic Salary
totalAllowances	number		R	Total Allowances
totalDeductions	number		R	Total Deductions
netSalary	number		R	Net Salary

Error Elements				
Element	Data Type	Allowed Value	Usage*	Description
Object				
errors	Array			
Object			O	
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			O	
name	String	Refer to Detailed Response Messages	R	Field name caused bad request error such as birthDate, dateType, or X_MOF_RqUID.
type	String		R	Field type caused bad request error, such as header or query
reason	String	Refer to Detailed Response Messages	O	Reason of validation error such as “Value is not a valid saudi ID or Iqama”.

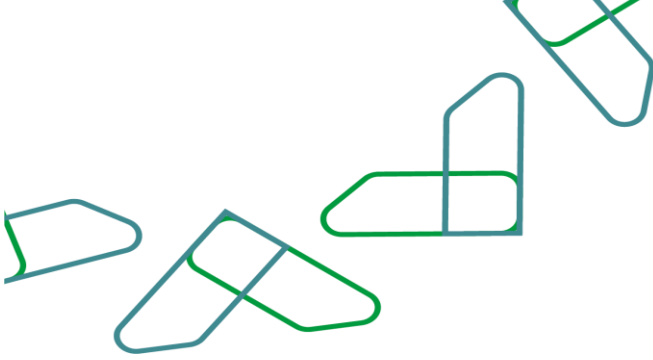
Sample Request

```
> GET https://[Server]:[port]/employee/v1/payslip? dateType = Gregorian ,nationalNumber=1234567890 &
birthDate=1440-10-10 HTTP/1.1
> Authorization: Bearer yISkZljbDWybfs4fUQe9BqPOLH5Z
> X_MOF_RqUID: bc57fb47-0dd2-446e-84f2-27d19eac5f7d
> X_MOF_ClientID: 3FIOG9vSGV4VHo4QzAySVg
> X_EXT_RequestReason: account
```

Sample Success Response

```
< HTTP/1.1 200 OK
< Content-Type: Application/json
{
  "data": [
    {
      "personalInfo":{
        "employeeNameAr":"أحمد محمد أحمد",
        "employeeNameEn":"Ahmed Mohamed Ahmed"
      },
      "employerInfo":{
        "agencyCode":"019001000000",
        "agencyName":"وزارة الشؤون البلدية والقروية – الديوان العام"
      },
      "bankInfo":{
        "accountNumber":"SA1880000126608010224193",
        "bankCode":"RJHI",
        "bankName":"مصرف الراجحي"
      },
      "bankInfo":{
        "employeeJobNumber":"123",
        "employeeJobTitle":"مساعد عام",
        "agencyEmploymentDate":"1440-01-01"
      },
      "payslipInfo":{
        "payMonth":"2021-07",
        "basicSalary":10000,
        "totalAllowances":3000,
        "totalDeductions":1000,
        "netSalary":12000
      }
    }
  ]
}
```

```
< HTTP/1.1 404 Not Found
< Content-Type: Application/json
{
  "errors":[
    {
```



```

    "Code": "A101404",
    "detail": " The employee info are not matched with any of our records, please inform the employee to
check his info with his entity's HR ",
    "type": "BusinessError",
    "link": ""
  }
}

```

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	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	birthDate	Invalid date format. Please enter the date in the format YYYY-MM-DD and year cannot be before 1300 AH /1900 AD
		nationalNumber	Value is not a valid saudi ID or Iqama
A001404	No Data Found	N/A	N/A

A101404	The employee info is not matched with any of our records, please inform the employee to check his info with his entity's HR	N/A	N/A
A102404	RequestReason element not found. Please refer to the documentation for the list of request reason.	N/A	N/A
A001500	Internal Server Error	N/A	N/A

Appendices

Request Reason

Inquiry Reason Code	Reason Description E	Reason Description A
account	Account Opening, Account Update	فتح حساب جديد، تحديث حساب
card	Credit Cards	البطاقات الائتمانية
loan	Personal Loan, Home Loan, Card Loan	تمويل شخصي، تمويل عقاري، تمويل سيارات
subscription	Service Subscriptions	اشتراكات الخدمات