Integration Guide Document

Detailed Employee Salary Certificate

Version:1.0

Detailed Salary certificate IG
Date: Aug 10, 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.

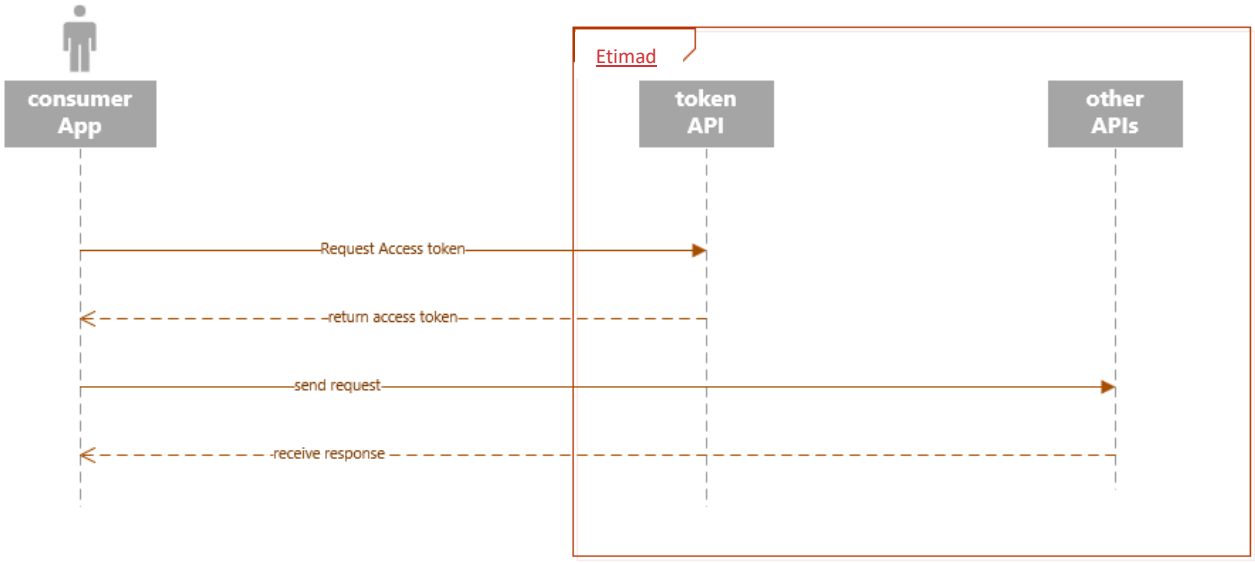
Terminology

Term	Description
NCGR	National Center for Governmental Resource
IG	Integration Guide

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

DetailedPayslip API

API Definition Card	
API Name	detailedPayslip
API Description	This API is used by financial sectors (Bank, Fintech…etc.) to inquire for last salary details (basic salary, deduction details, allowance details) of governmental employees with lists of deductions and allowances.
End Point	GET https://[Server IP]:[port]/individuals/v1/employees/{personalIdNum}/payslips

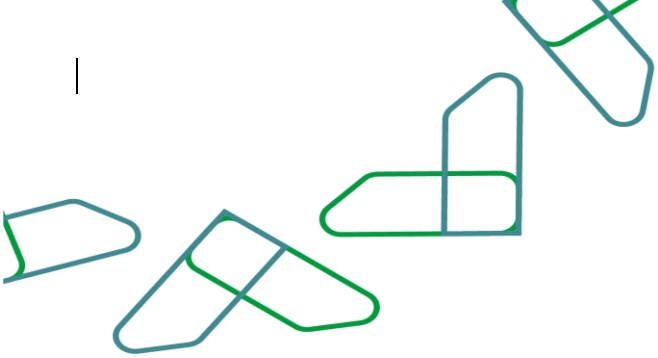
HTTP Request Headers		
Element Name	Usage	Element Value
Authorization	R	Access token from token API
X_MOF_RqUID	R	Unique, Auto generated, GUID format
X_MOF_ClientID	R	client Id of Banks or fintech companies
X_EXT_RequestReason	R	Refer to appendix

URI Path Parameters				
Element	Data Type	Allowed Value	Usage*	Description
personalIdNum	String		R	Employee National Number based on the Identification type

Query Parameters				
Element	Data Type	Allowed Value	Usage*	Description
birthDate	Date	YYYY-MM-DD	R	Employee Birth Date
dateType	String	Hijri / Gregorian	R	Date Type
idType	Number	1 = Citizen 2 = Resident 3 = Other	R	Id Type
payMonth	String	YYYY-MM	R	Pay Month of the salary certificate

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
allowances	Array		O	
Object				
allowanceCode	String		R	Allowance Code
allowanceName	String		R	Allowance Name
allowanceAmount	Number		R	Allowance Amount
deductions	Array		O	
Object				
deductionCode	String		R	Deduction Code
deductionName	String		R	Deduction Name
deductionAmount	Number		R	Deduction Amount

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

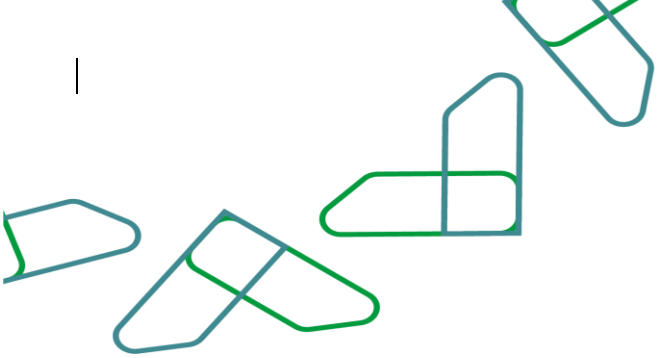
type	String	BusinessError TechnicalError	O	Error Type
link	String		O	documentation URL for help
in	Array		O	
Object			O	
name	String	Refer to Detailed Response Messages	R	Field name caused bad request error such as birthDate, dateType, or X_MOF_RqUID.
type	String		R	Field type caused bad request error, 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”.

Sample Request

> GET https://[Server]:[port]/individuals/v1/employees/1234567890/payslips? dateType = Gregorian& birthDate=1440-10-10& idType =1&payMonth=2021-07 HTTP/1.1
> Authorization: Bearer ylSkZIjbdWybfs4fUQe9BqP0LH5Z
> 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 الشئون البلدية والقروية – الديوان العام"
                },
                "bankInfo": {
                        "accountNumber": "SA1880000126608010224193",
                        "bankCode": "RJHI",
                        "bankName": "مصرف الراجحى"
                },
                "employmentInfo": {
                        "employeeJobNumber": "123",
                        "employeeJobTitle": "مساعد عام",
```




```
                        "agencyEmploymentDate": "1440-01-01"
                },
                "payslipInfo": {
                        "payMonth": "2021-07",
                        "basicSalary": 10000,
                        "totalAllowances": 40,
                        "totalDeductions": 1666,
                        "netSalary": 12000
                },
                "allowances": [{
                                "allowanceCode": "1006",
                                "allowanceName": "بدل نقل أمتعة _ إنتداب",
                                "allowanceAmount": 20.00
                        },
                        {
                                "allowanceCode": "1023",
                                "allowanceName": "بدل تميز",
                                "allowanceAmount": 20.00
                        }
                ],
                "deductions": [{
                        "deductionCode": "63215",
                        "deductionName": "حسم المؤسسة العامة للتقاعد",
                        "deductionAmount": 1666.00
                }]
        }]
}
```


```
< 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
		personalIdNum	Value is not a valid saudi ID or Iqama
		payMonth	Invalid date format. Please enter the payMonth in the format YYYY-MM
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
card	Credit Cards	البطاقات الائتمانية
subscription	Service Subscriptions	اشتراكات الخدمات
personal loan	Personal Loan	تمويل شخصي
home loan	Home Loan	تمويل عقاري
car loan	Car Loan	تمويل سيارات
account opening	Account Opening	فتح حساب جديد
account update	Account Update	تحديث حساب