



Hail Region Municipality

Baladi Bills API Manual

NOV 2025

Version 1.0

The **Baladi Bills API** is a **secure RESTful service** developed to integrate with the **Baladi platform's issued Bills System** on behalf of **Hail Region Municipality**. It facilitates seamless and automated data exchange between systems by providing access to newly issued bills, payment details, and reconciliation information.

Designed with high security standards, the API requires a valid **authorization token** in all operations to ensure that only authenticated systems can access or update billing data. Through its RESTful design and token-based authentication, the Baladi Bills API guarantees reliable, safe, and efficient communication between the Baladi platform and the municipality's financial systems.

1- Authenticate Method:

The system that needs to access any of the API methods must first call the Authenticate method. This method requires a username and password to be passed in the Authorization header. Upon successful authentication, the system will generate a token with a defined validity period. This token must then be included in the Authorization header when calling other API methods, such as the BaladiBills method.

a. Obtain OAuth Token

This endpoint is used to request an **OAuth token** for authentication.

The system must first call this endpoint by sending the credentials encoded in **Basic Authorization**. Upon successful authentication, the endpoint returns an access token that should be used in the Authorization: Bearer <token> header for all subsequent API calls.

b. Request Example

The screenshot displays a REST client interface for a POST request to `https://adfapp.amanathail.gov.sa/ords/eservice/oauth/token`. The request is configured with Basic Auth, where the Username is `UI0b8JmDldC15` and the Password is masked with dots. A "Show Password" checkbox is present but unchecked. The response status is 200 OK, with a time of 530 ms and a size of 586 B.

The response body is shown in JSON format:

```
1 {
2   "access_token": "DY2BZ2j16iNXNj04cR5nzg",
3   "token_type": "bearer",
4   "expires_in": 3600
5 }
```

The second screenshot shows the same request configuration but with the "Body" tab selected. The body is configured as "x-www-form-urlencoded" with a table containing the following data:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> grant_type	client_credentials	
Key	Value	Description

The response body is identical to the first screenshot:

```
1 {
2   "access_token": "DY2BZ2j16iNXNj04cR5nzg",
3   "token_type": "bearer",
4   "expires_in": 3600
5 }
```

- URL (<https://adfapp.amanathail.gov.sa/ords/eservice/oauth/token>)
- Method TYPE (POST)
- Authorization (BASIC Auth)
- Username : Will be send by SMS

- Password : Will be send by SMS
- Body :

grant_type : client_credentials

c. **Response example**

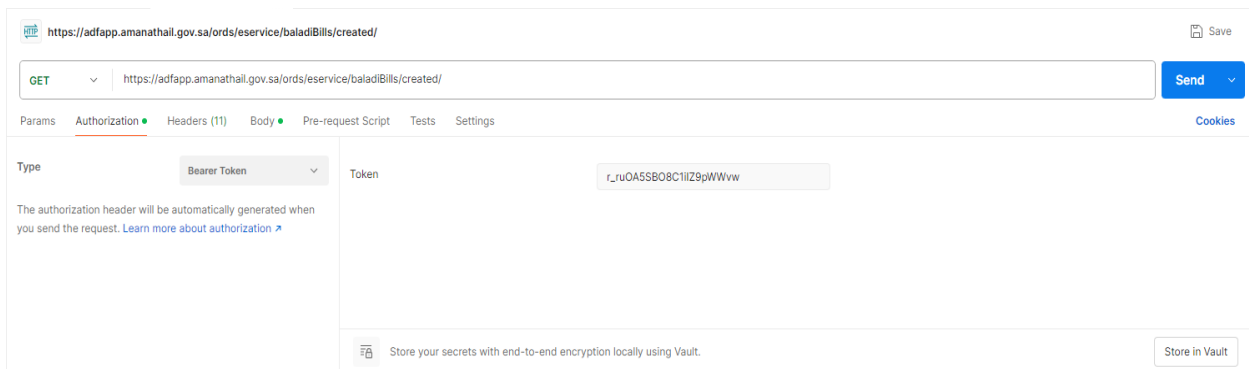
```
{  
  "access_token": "DY2BZ2Ji6iNXNjQ4cR5nzg",  
  "token_type": "bearer",  
  "expires_in": 3600  
}
```

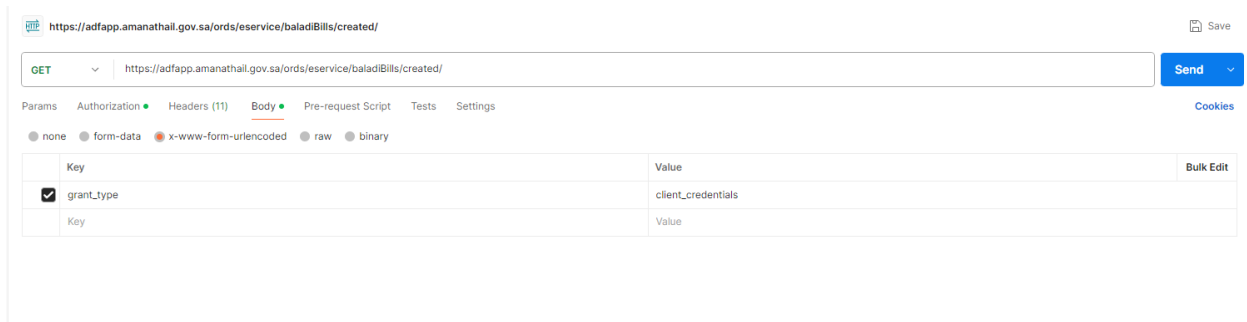
2- **Created Method:**

Before calling these methods, the token must be passed in the request header as a Bearer Token. The system first validates the token by decrypting it and then verifying the expiration timestamp included inside the token payload. The Created Method will take all required (mandatory) fields as part of the request body.

Once the Created Method is successfully executed, the API will return the full bill details, including the main bill information and all associated items.

a. **Request Example:**





- URL (<https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/created/>)
- Methods TYPE (GET)
- HEADER PARAMETER

Token="GENERATED TOKEN FROM AUTHENTICATION METHOD"

grant_type="client_credentials"

b. **Response Example:**

```
{
  "bills": [
    {
      "accountno": "251014177513",
      "billamount": 811.25,
      "issuedate": "2025-10-27T14:43:08",
      "classid": "019",
      "sitemidfin": "012",
      "sitemname": "أمانة منطقة حائل",
      "sitesidfin": "301",
      "sitesname": "بلدية محافظة بقعاء",
      "bldbranchid": null,
      "billexpirydate": "2025-11-17T14:43:06",
      "paymentdate": "2025-10-27T14:44:08",
      "reconciliationdate": null,
      "baladiabranchname": null,
      "statusid": 4,
      "statusname": "Paid",
      "sasadtransactionid": "253001444966036",
      "is_paid": "Yes",
      "createddate": "2025-10-27T14:43:10",
      "customeridno": 7032833803,
    }
  ]
}
```

```
"customeridtype": "BIS",
"paymentchanelid": "CCARD",
"servicename": "رخصة نشاط تجاري",
"canceldate": null,
"updateddate": "2025-10-27T14:45:30",
"transfer_status": "N",
"transfer_date": null,
"seq_no": null,

"items": [

  {
    "gfscode": 11452104,
    "gfsname": "اصدار رخص الانشطة التجارية",
    "revenueamount": 204
  },
  {
    "gfscode": 11452512,
    "gfsname": "لوحات محلات",
    "revenueamount": 106.25
  },
  {
    "gfscode": 180201,
    "gfsname": "أجور الخدمات الالكترونية التي تقدمها شركة علم",
    "revenueamount": 86.25
  },
  {
    "gfscode": 1421909,
    "gfsname": "جمع النفايات",
    "revenueamount": 119
  },
  {
    "gfscode": 1422109,
    "gfsname": "(القيام بالمعاينة أو الكشفية)الكشفية",
    "revenueamount": 17
  },
  {
    "gfscode": 1438001,
    "gfsname": "جزاءات وغرامات مفروضة بموجب أنظمة الجهة",
    "revenueamount": 200
  }
]
}
```

3- UpdCreated Method

The UpdCreated Method is responsible for updating the status of a bill that has been successfully retrieved through the Created Method. Its main purpose is to ensure that once a bill has been fetched and processed, it will not be retrieved again in future requests. This method accepts a single parameter, SQE_NO, which represents the unique sequence number returned with the invoice during the Created Method call. When invoked, the system updates the corresponding bill record to mark it as already processed or fetched. This guarantees data consistency between systems and prevents duplication or repeated transmission of the same bill data.

a. **Request Example :**

The screenshot shows a REST client interface with the following details:

- URL: `https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/updCreated/?seq_no=1961`
- Method: `POST`
- Query Params table:

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> seq_no	1961	
Key	Value	

The screenshot shows the Authorization tab of the REST client interface with the following details:

- Authorization Type: `Bearer Token`
- Token: `QB0yx7vpTTYx8oUxzt9ybQ`

- URL (<https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/updCreated/>)
- Methods TYPE (POST)
- HEADER PARAMETER

Token="GENERATED TOKEN FROM AUTHENTICATION METHOD"
grant_type="client_credentials"

b. **Parameters:**

Parameter Nam	Data Type	Description	Note
seq_no	String	Sequencet Number	Required

c. **Response Example:**

```
{  
  "STATUS_CODE": "200",  
  "STATUS": "Success"  
}
```

4- **Payment Method:**

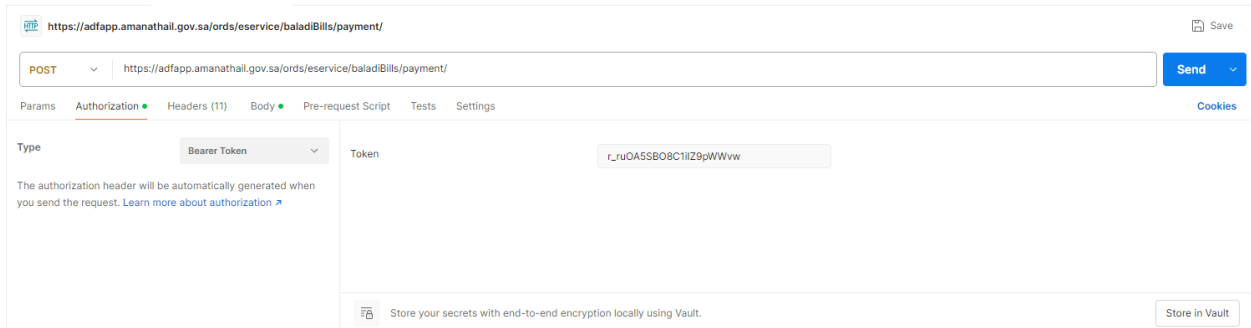
The Payment Method API allows the system to retrieve all payment information associated with a specific account number (Bill No.). Before calling this method, a valid Bearer Token must be obtained through the OAuth `/oauth/token` endpoint by providing the username and password in the Basic Authorization header. Once the token is received, it should be included in the Authorization header of all subsequent requests to the Payment Method. When the system calls this endpoint with the account number (Bill No.), the API returns all related payment records for that account number.

a. **Request Example:**

The screenshot shows a REST client interface with the following details:

- URL: `https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/payment?bill_no=25999995220`
- Method: `POST`
- Query Params table:

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> bill_no	25999995220	
Key	Value	



- URL (<https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/payment/>)
- Methods TYPE (POST)
- HEADER PARAMETER

Token="GENERATED TOKEN FROM AUTHENTICATION METHOD"

grant_type="client_credentials"

b. **Parameters:**

Parameter Nam	Data Type	Description	Note
bill_no	String	Account Number	Required

c. **Response Example:**

```
{
  "ACCOUNT_NO": "25999995220",
  "PAYMENT_STATUS_ID": "5",
  "PAYMENT_STATUS_NAME": "Reconciled",
  "SADAD_TRANSACTION_ID": "251851250549181",
  "PAYMENT_CHANEL_ID": "CCARD",
  "STATUS": "Success",
  "IS_PAID": "Yes",
}
```

```

"STATUS_CODE": "200",

"AMOUNT": 7820,

"PAYMENT_DATE": "2025-07-03T21:00:00Z"
}

```

5- Reconciliation Method

The Reconciliation Method is used to retrieve reconciliation data related to a specific bill number. It provides detailed information about the Reconciliation status, and Reconciliation date.

Before calling this method, the token must be included in the request header to validate the system's authorization. Once verified, the method returns the latest reconciliation records, ensuring both the billing system and the payment system remain synchronized for accurate financial tracking and reporting.

a. Request Example:

The screenshot shows a REST client interface for a POST request to the URL: `https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/reconciliation/?bill_no=21343618579`. The request method is set to POST. Under the 'Query Params' section, a table is visible:

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> bill_no	21343618579	
Key	Value	

The screenshot shows the 'Authorization' tab of the REST client. The 'Type' is set to 'Bearer Token' and the 'Token' field contains the value: `QB0yx7vpTTYx8oUxz79ybQ`. A note below states: "The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)".

- URL (<https://adfapp.amanathail.gov.sa/ords/eservice/baladiBills/reconciliation/>)
- Methods TYPE (POST)
- HEADER PARAMETER

Token="GENERATED TOKEN FROM AUTHENTICATION METHOD"

grant_type="client_credentials"

b. **Parameters:**

Parameter Nam	Data Type	Description	Note
bill_no	String	Account Number	Required

c. **Response Example:**

```
{
  "RECONCILIATION_STATUS_NAME": "Reconciled",
  "ACCOUNT_NO": "21343618579",
  "RECONCILIATION_STSTUS_ID": "5",
  "STATUS_CODE": "200",
  "RECONCILIATION_DATE": "2021-01-25T21:00:00Z",
  "STATUS": "Success"
}
```

6- **Status and Errors:**

Code No.	Description
200	Success
401	Bill Number is required
402	Invalid Bill Number
403	Invalid SEQ NO