

What is Web Services

Type of Web Services :-

1. REST API (Representational State Transfer)
2. SOAP API (Simple Object Access Protocol)

Tools required for testing to any web service

1. Postman
2. SoapUI
3. Curls

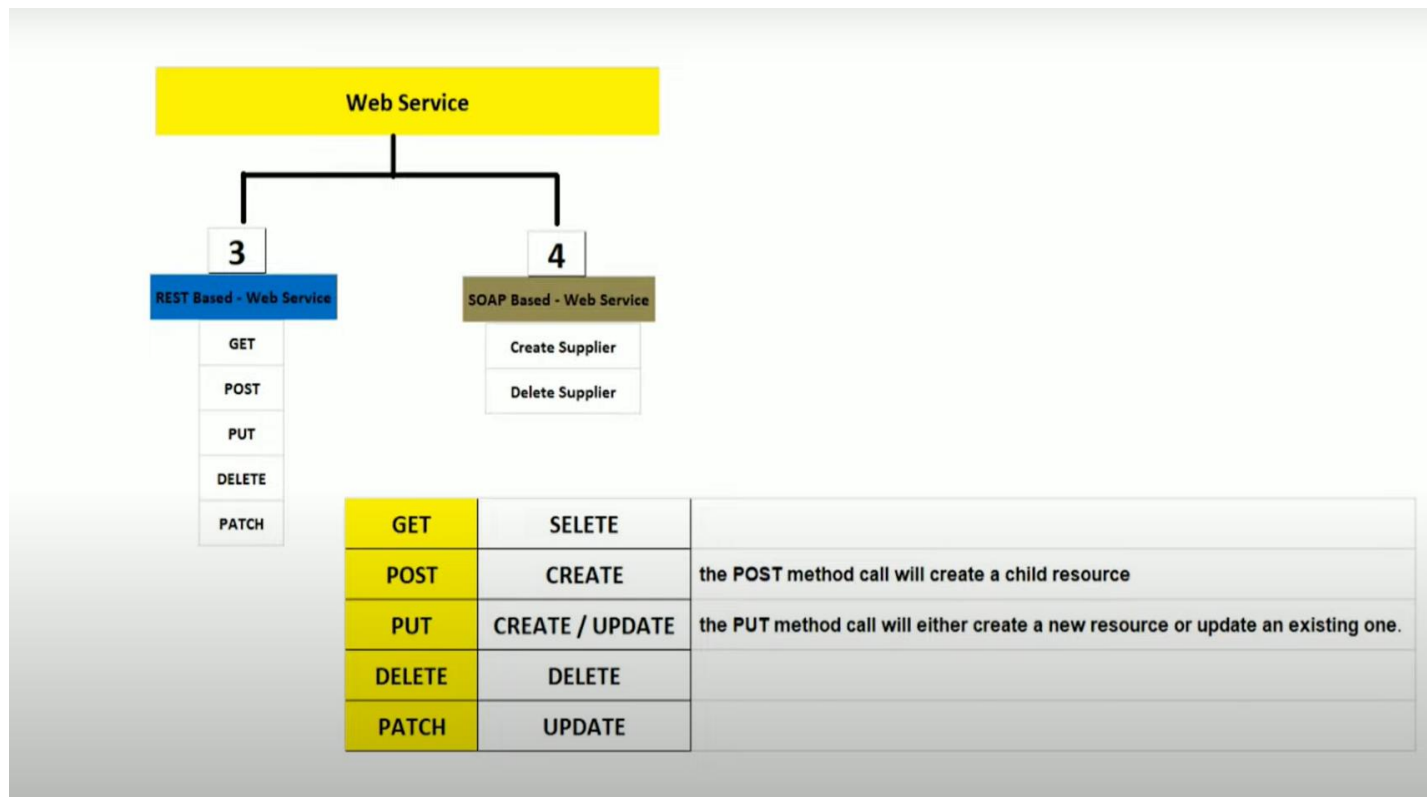
web services in Oracle Fusion are like **digital messengers** that allow different software programs to **talk to each other** and **exchange information** over the internet. E.G.

Imagine you have Oracle Fusion (which is like a big, smart business software) and another software program (like an inventory or sales system). Web services allow these two different programs to **share information**. For example, when a customer makes a purchase, web services can send the order details from the sales system to Oracle Fusion for processing without needing humans to enter the data manually.

REST API in Fusion

Few Facts about REST API

- REST – **RE**presentational **S**tate **T**ransfer
- Simple, Lightweight, Fast, Stateless
- Works on HTTP/ HTTPS protocol
- REST Endpoint URI : <BASE URL>+<Resource Path>
- Resource Methods/ REST Verbs :
 - ✓ GET
 - ✓ POST
 - ✓ PUT
 - ✓ PATCH
 - ✓ DELETE
- Types of GET Parameters
 - Path Variable
 - Query Parameter
- Message formats that can be exchanged :
 - ✓ JSON
 - ✓ XML
 - ✓ HTML
 - ✓ Plaintext
 - ✓ PDF
 - ✓ JPEG



S No	SOAP - (Simple Object Access Protocol)	REST - (Representational State Transfer)
1	SOAP is a Protocol and it has an Official Standard	REST is an architectural style not a protocol and it has no official standard
2	SOAP web services are Slow	REST web services are fast
3	SOAP uses XML format that must be PARSED to be read	RESTful web service permits different data format such as TEXT, HTML, XML and JSON.
4	SOAP consumes more bandwidth and resource.	REST consumes less bandwidth and resource.
5	it contains heavy Payload with big size due to XML and protocol	it contains lighter Payload and size is very light
6	It is using Only POST method for all the activities	it containing more methods like :- GET / POST / PUT / PATCH / DELETE
7	Security wise it contains its own security method : WS security	it inherits security measures from the underlying transport.
8	It defines many standards that must be followed while developing the SOAP application.	its very easy to develop
9	Services calling by RPC (Remote Procedure calling) Method	Services calling by URL path
10	Response not easily readable	purely readable
11	it uses HTTP, SMTP and FTP protocol	it uses only HTTP protocol
12	SOAP can not use REST services because it's a protocol	but REST can use SOAP web services because it is a concept
13	Javascript can call SOAP web services but it is very difficult	its easy to call from Javascript
14	SOAP is less preferred by developers	but REST is more preferred by developers
15	SOAP web services can be written in any programming language and executed in any Platform, so we can say its totally language and platform independent.	RESTful services can be written in any programming language and executed in any platform.

IMPORT STANDARD RECEIPT USING REST API:

In Oracle Fusion Applications, the **Standard Receipt** typically refers to a record of a transaction in the **Accounts Payable (AP)** or **Accounts Receivable (AR)** modules where a payment is made or received for a purchase or sale.

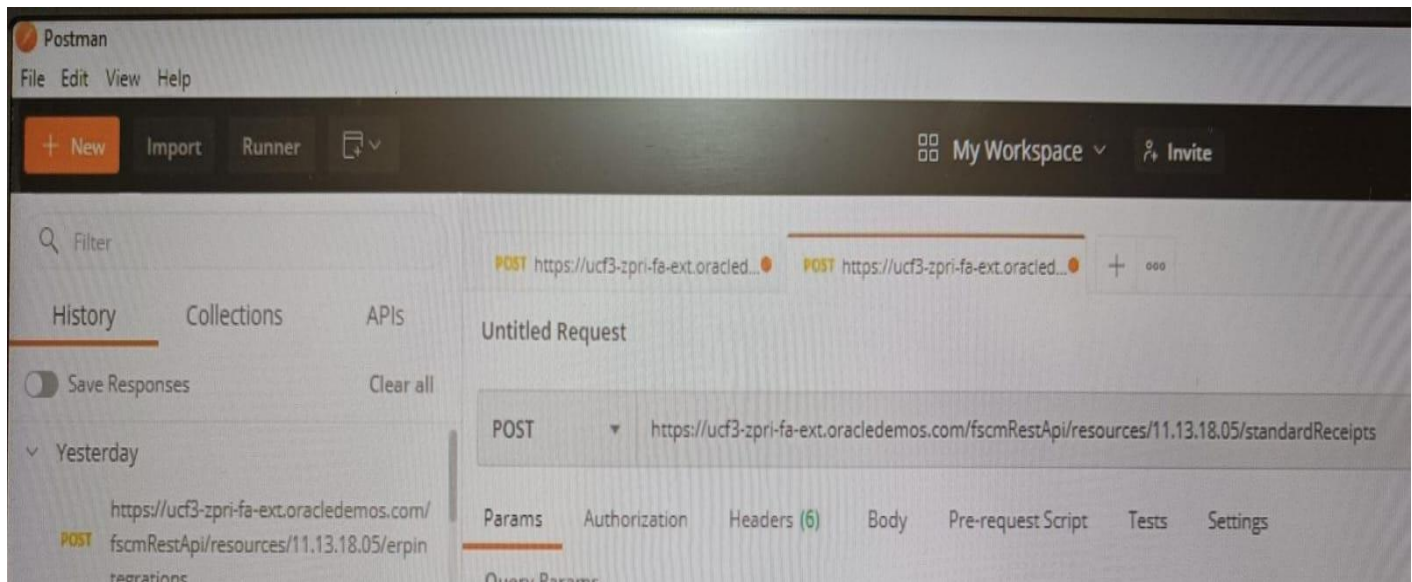
The screenshot shows the Oracle REST API documentation page for Oracle Fusion Cloud Financials. The browser address bar shows the URL: docs.oracle.com/en/cloud/saas/financials/24d/farfa/index.html. The page title is "REST API for Oracle Fusion Cloud Financials". The left sidebar contains a navigation menu with the following items: Revenue Contracts, Routing Results, Salesperson Reference Accounts, Source Document Lines, Standard Receipts (highlighted), Attachments, and Remittance References. Under "Standard Receipts", the following actions are listed: Create a standard receipt, Delete a standard receipt, Get a standard receipt, Get all standard receipts, and Update a standard receipt. The main content area is titled "About the REST APIs" and includes the text "Last Updated November 2024". It explains that Oracle REST APIs can be used to view and manage data stored in Oracle Financials Cloud. It also provides a list of resources: a quick start how-to, use cases, and detailed descriptions for each REST resource. A link "Title and Copyright Information" is visible at the bottom.

RESOURCE PATH:

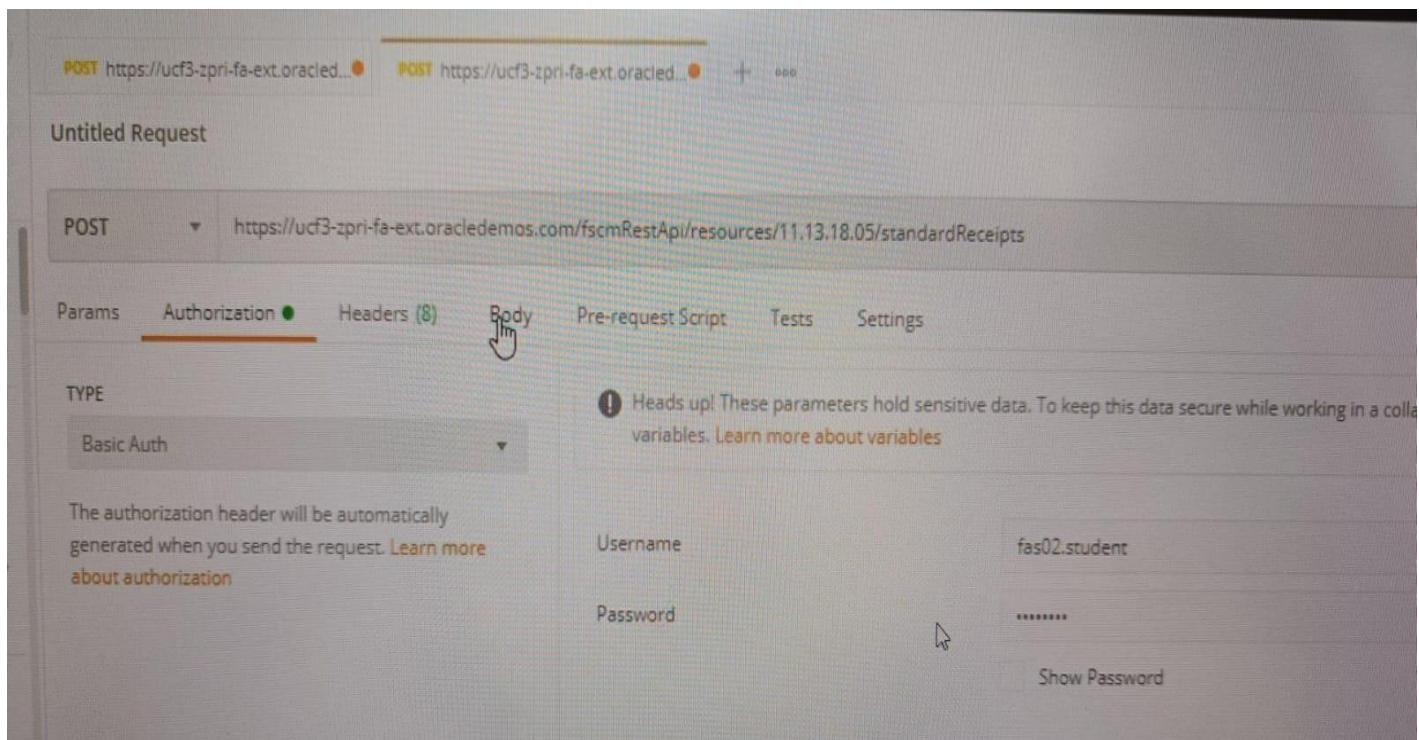
The screenshot shows the "Create a standard receipt" REST API endpoint page. The title is "Create a standard receipt". Below the title is a green button labeled "POST". The resource path is displayed as `/fscmRestApi/resources/11.13.18.05/standardReceipts`.

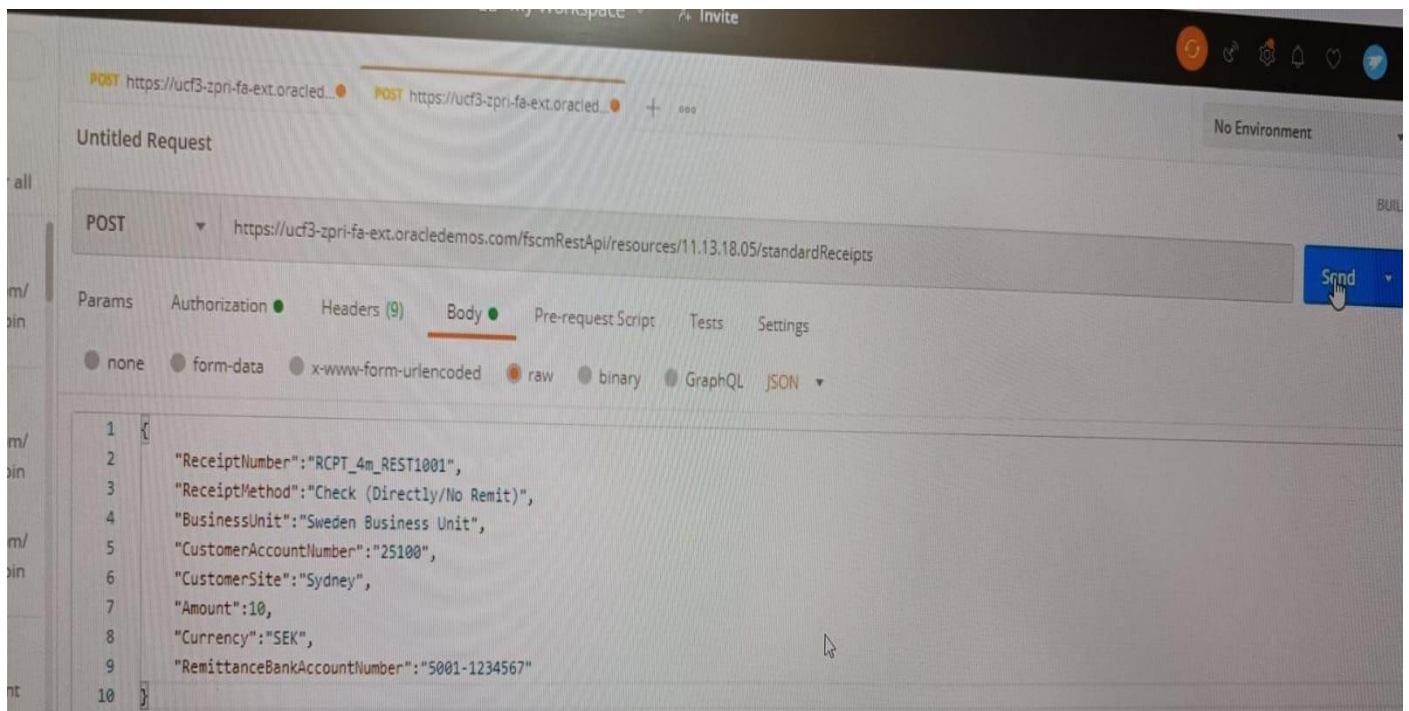
BASE PATH = FUSION INSTANCE URL

NOW GO TO POSTMAN(TOOL):

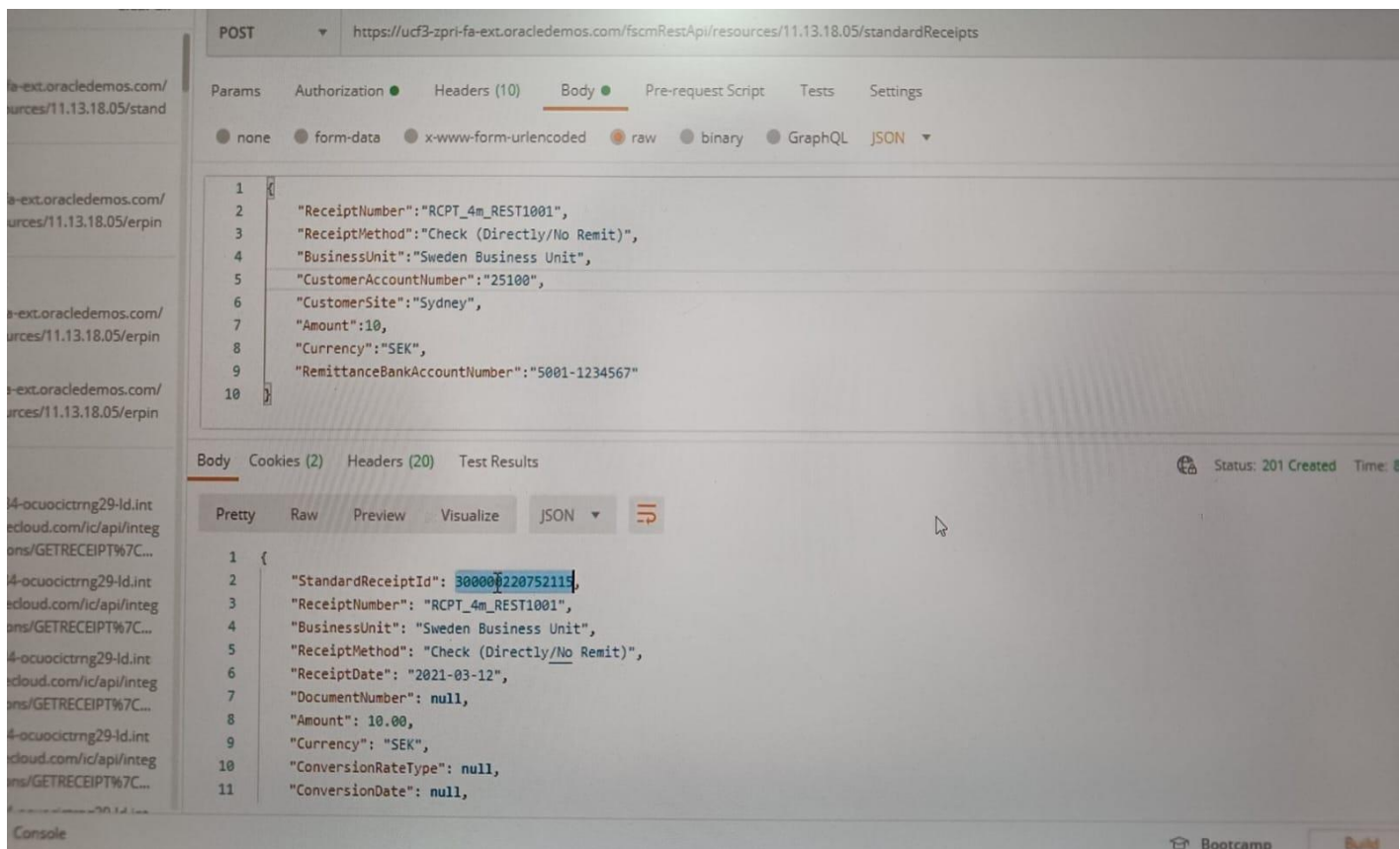


ADD CREDENTIALS OF FUSION INSTANCE:





RESPONSE: (RECEIPTID)



NOW RECEIPT IS IMPORTED .

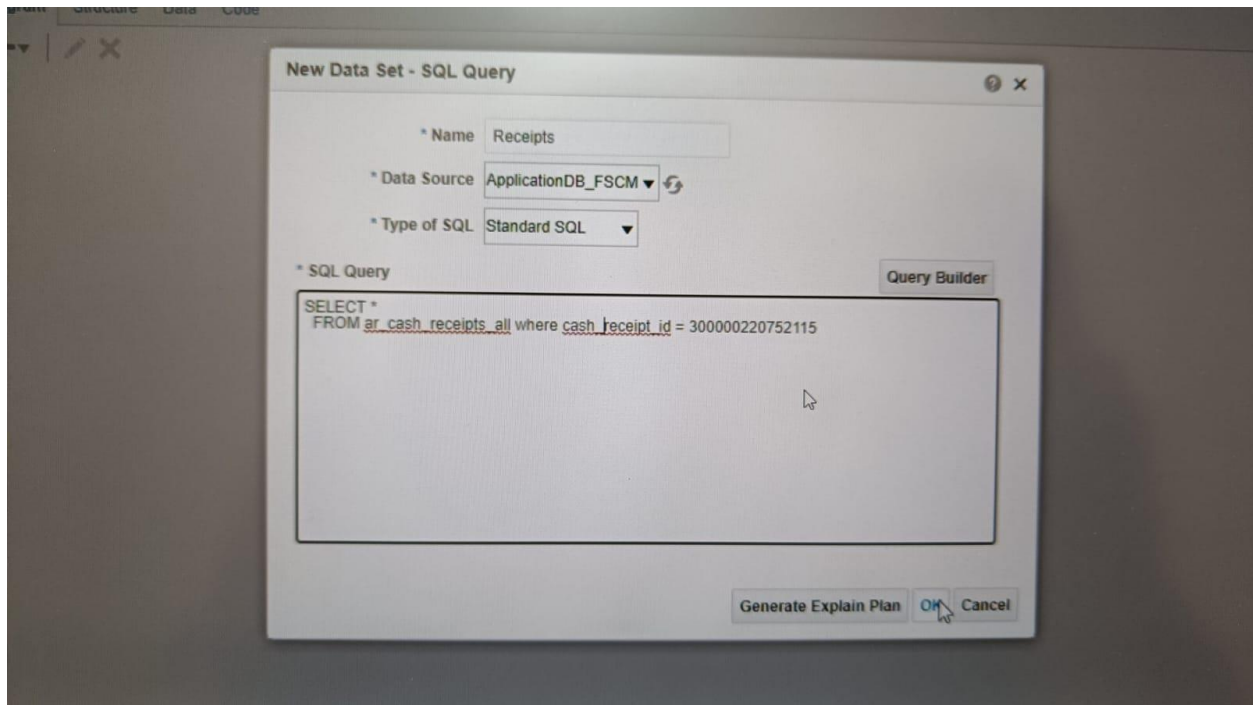
CHECK THE RECEIPT:

NAVIGATOR>ACCOUNT RECEIVABLE>MANAGE RECEIPTS>

The screenshot shows the 'Manage Receipts' search interface in Oracle. The header includes the Oracle logo and a search bar. The main section is titled 'Manage Receipts' with a help icon. Below this is a 'Search' section with various filters: Business Unit (dropdown), Receipt Number (Starts with RCPT_4m_REST1001), Customer Name (search), Customer Account Number (search), Receipt Date (Equals d/m/yyyy), Batch Number, Receipt Method, Status (Equals), Remittance Bank, and State (Equals). At the bottom, there are action buttons: Actions, View, Reassign Receipts, and Detach. A table header is visible with columns: Receipt Number, Status, Receipt Method, Customer Name, Customer Account Number, and Receipt Date. The table content shows 'No search conducted.'

The screenshot shows the 'Edit Receipt: RCPT_4m_REST1001' page in Oracle. The header includes the Oracle logo and a search bar. The main section is titled 'Edit Receipt: RCPT_4m_REST1001' with a help icon. Below this is a 'Receipt Information' section with a 'Show More' link. The information is organized into two columns. The left column includes: Status (Cleared), Business Unit (Sweden Business Unit), Receipt Type (Standard), Receipt Method (Check (Directly/No Remit)), Receipt Number (RCPT_4m_REST1001), Receivables Specialist (dropdown), and Attachments (None). The right column includes: Customer Account Number (25100), Customer Name (ABC Corporation Limit), Customer Site (Sydney), Receipt Date (12/3/2021), Accounting Date (12/3/2021), and a Comments text area. At the bottom, there are links for 'Additional Information' and 'Receipt Details 10.00 SEK'.

OR CHECK USING SQL QUERY IN BASE TABLE:



FETCH STANDARD RECEIPT USING REST API:

GET A STANDARD RECEIPT:

WE CAN GET RECEIPT DETAILS BY PASSING RECEIPTID

docs.oracle.com/en/cloud/saas/financials/21a/farfa/op-standardreceipts-standardreceiptid-get.html

Receivables Invoices

- + Receivables Memo Lines List of Values
- + Receivables Payment Terms List of Values
- + Receivables Transaction Sources List of Values
- + Receivables Transaction Types List of Values
- + Revenue Contracts
- + Salesperson Reference Accounts
- **Standard Receipts**
 - Create a **standard receipt**
 - Delete a **standard receipt**
 - Get a **standard receipt**
 - Get all **standard receipts**
- + Attachments
- + Remittance References
- + **Standard Receipt Descriptive Flexfields**
- + **Standard Receipt Global Descriptive Flexfields**
- + Tax Authority Profiles

Get a standard receipt

GET

/fscmRestApi/resources/11.13.18.05/standardReceipts/{StandardReceiptId}

Request

Path Parameters

StandardReceiptId: integer

Query Parameters

dependency: string
expand: string
fields: string
onlyData: boolean

My Workspace ▼ Invite

POST https://ucf3-zpri-fa-ext.oraclede... POST https://ucf3-zpri-fa-ext.oraclede... GET https://ucf3-zpri-fa-ext.oraclede...

Untitled Request

GET https://ucf3-zpri-fa-ext.oraclecdemos.com/fscmRestApi/resources/11.13.18.05/standardReceipts/300000220752115

Params Authorization Headers (8) Body Pre-request Script Tests Settings

TYPE

Basic Auth

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Heads up! These parameters hold sensitive data. To keep this data secure while w variables. [Learn more about variables](#)

Username fas02.student

Password

Show Password

docs.oracle.com/en/cloud/saas/financials/21a/farfa/op-standardreceipts-standardreceiptid-get.html

Receivables Invoices

- + Receivables Memo Lines List of Values
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Path Parameters

StandardReceiptId: integer

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expand: string
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POST https://ucf3-zpri-fa-ext.oraclede... POST https://ucf3-zpri-fa-ext.oraclede... GET https://ucf3-zpri-fa-ext.oraclede...

Untitled Request

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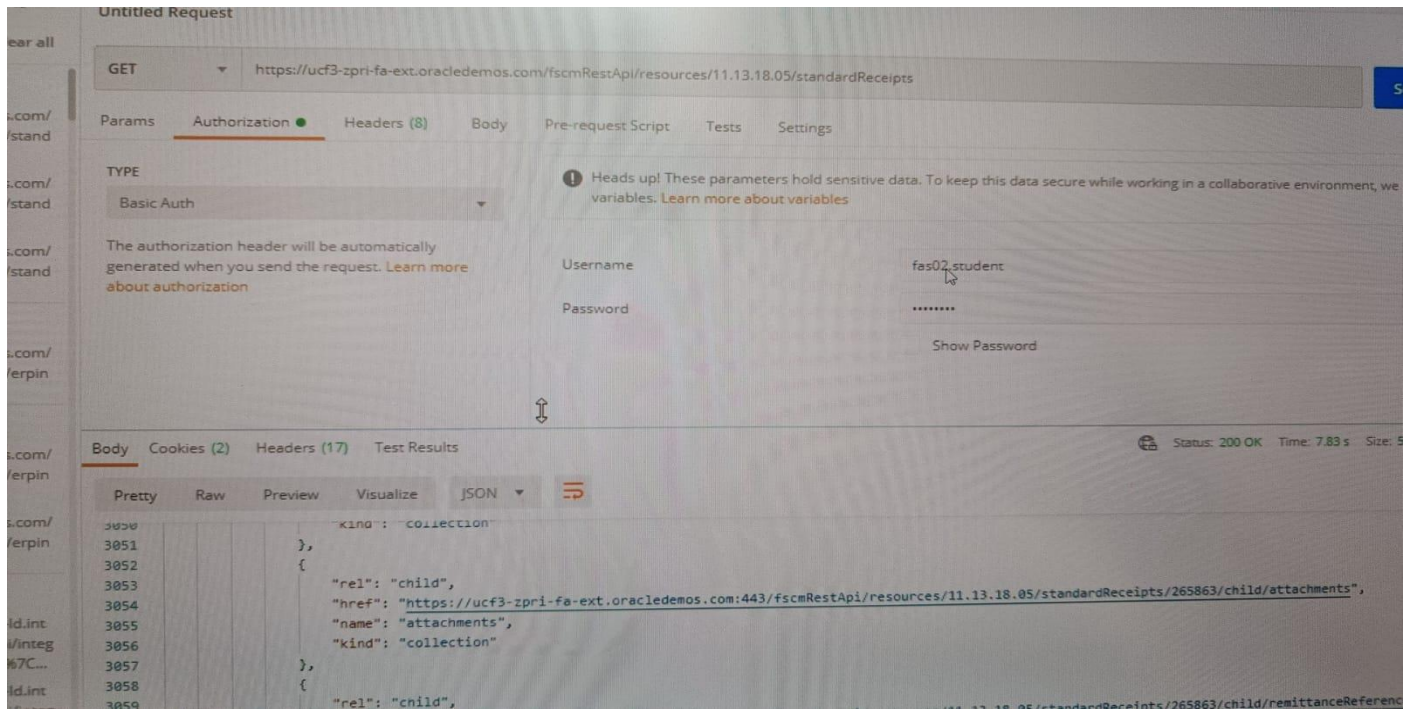
Username fas02.student

Password

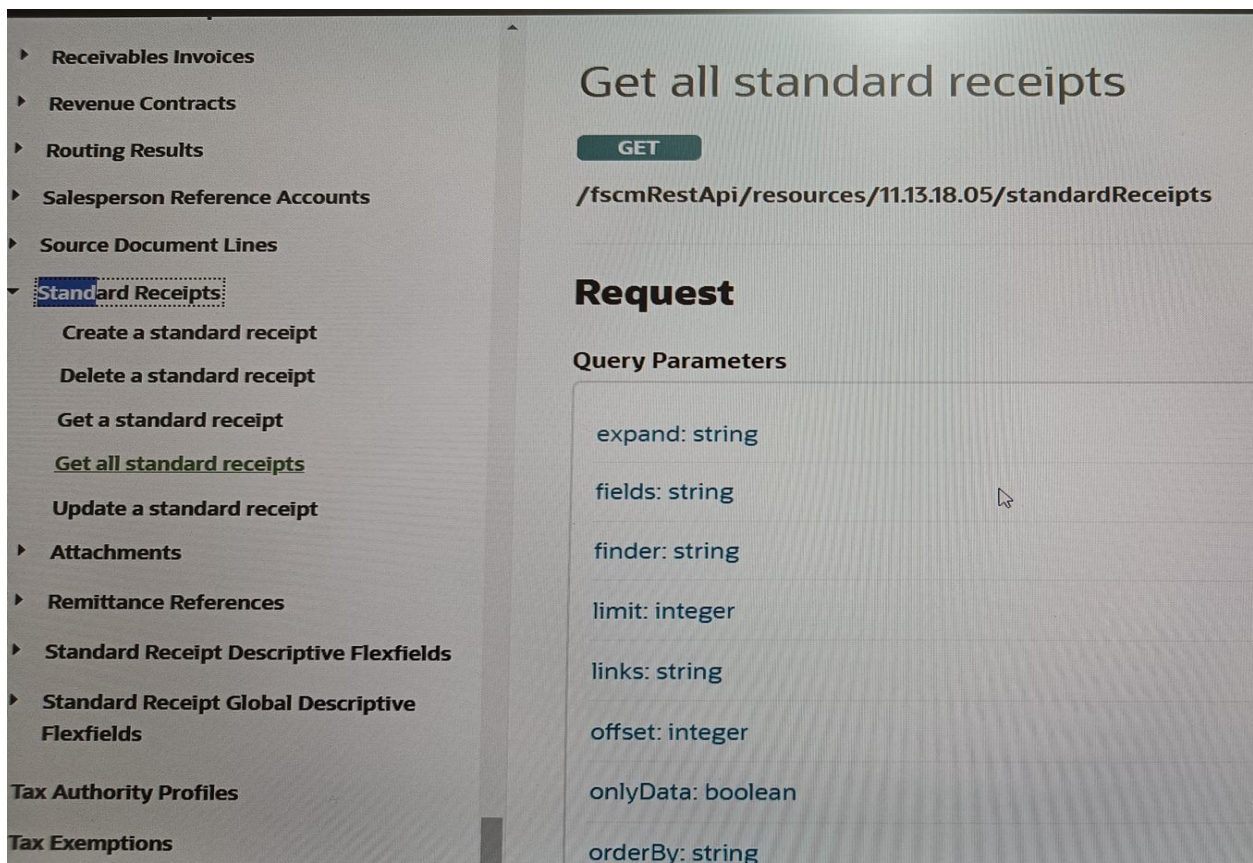
Show Password

Heads up! These parameters hold sensitive data. To keep this data secure while w variables. [Learn more about variables](#)

GET ALL STANDARD RECEIPTS:



USING QUERY PARAM TO FILTER THE RESULTS:



Clear all

GEThttps://ucf3-zpri-fa-ext.oraclecloud.com/fscmRestApi/resources/11.13.18.05/standardReceipts?fields=ReceiptNumber,ReceiptDate&onlyData=true

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> fields	ReceiptNumber,ReceiptDate	
<input checked="" type="checkbox"/> onlyData	true	
Key	Value	Description

Body

Cookies (3)

Headers (17)

Test Results

Status: 200 OK

Time: 1653 ms

Pretty

Raw

Preview

Visualize

JSON

```
1  {
2    "items": [
3      {
4        "ReceiptNumber": "117",
5        "ReceiptDate": "2012-02-29"
6      },
7      {
8        "ReceiptNumber": "118",
9        "ReceiptDate": "2012-02-29"
10     },
11     {
```