

## **AI Agent Studio demo 25D.**

### **Agent Team of type “Supervisor”.**

### **Smart Payables Invoice Entry Assistant.**

#### **Introduction/Goal.**

“Smart Payables Invoice Entry Assistant”.

We are going to create an Agent able to create a Payables invoice in SaaS sending this (example).

Create new payables invoice with details:

Invoice Number: DEMO\_00001

Invoice Currency: USD

Invoice Amount: 9

Invoice Date: 2025-12-01

Business Unit: Supremo US Business Unit

Supplier: Lee Supplies

Supplier Site: Lee Supremo US

Description: demo 001

Lines:

- Line Type = Item, Line Amount = 2
- Line Type = Item, Line Amount = 4
- Line Type = Freight, Line Amount = 3

We assume you have basic knowledge to create artifacts with the tool.

#### **Preparatory steps.**

Get a user with roles that allows create Payables invoices.

## Steps.

### 1. Deep link.

Name: ViewPayablesInvoice.

Relative URL:

/fscmUI/faces/deeplink?objType=AP\_VIEWINVOICE&action=VIEW&objKey=InvoiceId={InvoiceId}

Description: URL to navigate to view payables invoice page

Message: To view payables invoice click {deepLink} for details.

Parameter: Invoiceid

Description: The unique identifier for a payables invoice

**Create a new deeplink**

Family  
FIN

Product  
Other

Name  
ViewPayablesInvoice

Code  
ORA\_FIN\_OTHER\_VIEWPAYABLESINVOICE

Relative url  
/fscmUI/faces/deeplink?objType=AP\_VIEWINVOICE&action=VIEW&objKey=InvoiceId={InvoiceId}

Description  
URL to navigate to view payables invoice page

Message  
Click {deepLink} for details.

Parameter Name	Description	Data Type	Sample Value
Invoiceid		string	

### 2. Tool for Deep Link.

Name: Prepare Payables Invoice Deep Link.

Code: PREPARE\_AP\_INV\_DEEP\_LINK.

Description:

This tool should be used to prepare a deep link for sharing with users after a new payables invoice has been created by the Smart Payables Invoice Entry Assistant

Prepare Payables Invoice Deep Link

Cancel

Create

Tool Type

Deep Link

Tool Name

Prepare Payables Invoice Deep Link

Tool Code

PREPARE\_AP\_INV\_DEEP\_LINK

Family

FIN

Product

Other

Description

This tool should be used to prepare a deep link for sharing with users after a new payables invoice has been created by the Smart Payables Invoice Entry Assistant

Deep link

ViewPayablesInvoice

Message

Click {deepLink} for details.

### 3. Business Object.

Name: AA\_BO\_AP\_CREATE\_INV.

Description:

This business object should be used to communicate with Oracle Fusion Payables to create a payables invoice.

Resource PATH: /fscmRestApi/resources/11.13.18.05/invoices

Create a new business object

Family

FIN

Product

Other

Name

AA\_BO\_AP\_CREATE\_INV

Code

ORA\_FIN\_OTHER\_AABOAPCREATEINV

Resource Type

Monolith resource

Resource Path

/fscmRestApi/resources/11.13.18.05/invoices

Description

This business object should be used to communicate with Oracle Fusion Payables to create a payables invoice

#### 4. Function inside Business Object.

Name: CreateInvoice.

Code: NA

Description:

This business object function used within the mart Payables Invoice Entry Assistant business function for creating a payables invoice, describes the actual payload, headers, and parameters which should be used when actually invoking the API of the business function.

The screenshot shows the 'Add a new scenario' form. At the top, there is a notification: 'You're signed in twice. Sign out from other browsers or devices and sign in again.' with 'Cancel' and 'Done' buttons. The form has the following fields:

- Name:** CreateInvoice
- Operation Type:** HTTP POST (dropdown menu)
- Resource Path:** /fscmRestApi/resources/11.13.18.05/invoices
- Operation Payload:** {GeneratedPayload}
- Description:** payables invoice, describes the actual payload, headers, and parameters which should be used when actually invoking the API of the business function

Operation payload: {GeneratedPayload}

Operation type: POST.

The screenshot shows the configuration interface for the scenario. It includes the following sections:

- Headers:** A table with columns 'Name', 'Value', and 'Actions'. It currently shows 'No data to display.' and an '+ Add' button.
- Parameters and Business Object Fields:** A table with columns 'Name', 'Data Type', 'Description', 'Is Parameter', and 'Actions'. It contains one entry: 'GeneratedPayload' with data type 'string', description 'GeneratedPayload', and 'Is Parameter' set to 'true'.
- Example Usages:** A section for defining example usages.

5. Tool for BO.

Name: AA\_TOOL\_AP\_CREATE\_INV.

Code: AA\_TOOL\_AP\_CREATE\_INV.

Description: This tool should be invoked when the “Smart Payables invoice Entry Assistant” has enough information to create a payables invoice in Oracle Fusion Payables and it is now necessary to connect with the business object needed to proceed with payables invoice creation.

AA\_TOOL\_AP\_CREATE\_INV

Cancel

Create

Tool Type  
Business Object

Tool Name  
AA\_TOOL\_AP\_CREATE\_INV

Tool Code  
AA\_TOOL\_AP\_CREATE\_INV

Family  
FIN

Product  
Other

Description

This tool should be invoked when the Smart Payables invoice Entry Assistant has enough information to create a payables invoice in Oracle Fusion Payables and it is now necessary to connect with the business object needed to proceed with payables invoice creation

Require human approval

Enable if you want human approval before running the tool.

Business object

Add a business object to see the corresponding functions.

AA\_BO\_AP\_CREATE\_INV

This business object should be used to communicate with Oracle Fusion Payables to create a payables invoice

Functions

Name

Description

CreateInvoice

This business object function used within the mart Payables Invoice Entry Assistant business funct...

Business Object to link: AA\_BO\_AP\_CREATE\_INV.

6. Agent team:

Name: Smart Payables Invoice Entry Assistant.

Code: AA\_AT\_AP\_CREATE\_INV.

### Smart Payables Invoice Entry Assistant

DetailsLLMSecurityQuestionsInput Variables

Agent Team Name  
Smart Payables Invoice Entry Assistant

Agent Team Code  
AA\_AT\_AP\_CREATE\_INV

Family  
FIN

Product  
Other

Type  
Supervisor

Maximum Interactions  
10

Description

Our AI-assisted agent intelligently automates the payables invoices creation process by reading payables invoices in various formats such as Excel files, and text in the body of an email. By seamlessly translating these inputs into accurate payables invoices in the Financials-ERP system, the agent ensures a high degree of precision and reduces the potential for human error in the order creation process. It will guide users through any necessary validations and confirmations, providing clear messaging and a smooth user experience throughout. Once the agent has enough information to be able to create a payables invoice, it will confirm to the user that it can now go ahead and create a payables invoice, before swiftly creating and finalizing the payables invoice in the system, wrapping up with confirmation back to the user of the invoice number which was created.

Use of this agent will free up time for financials operations teams to focus on higher business value activities.

Cancel

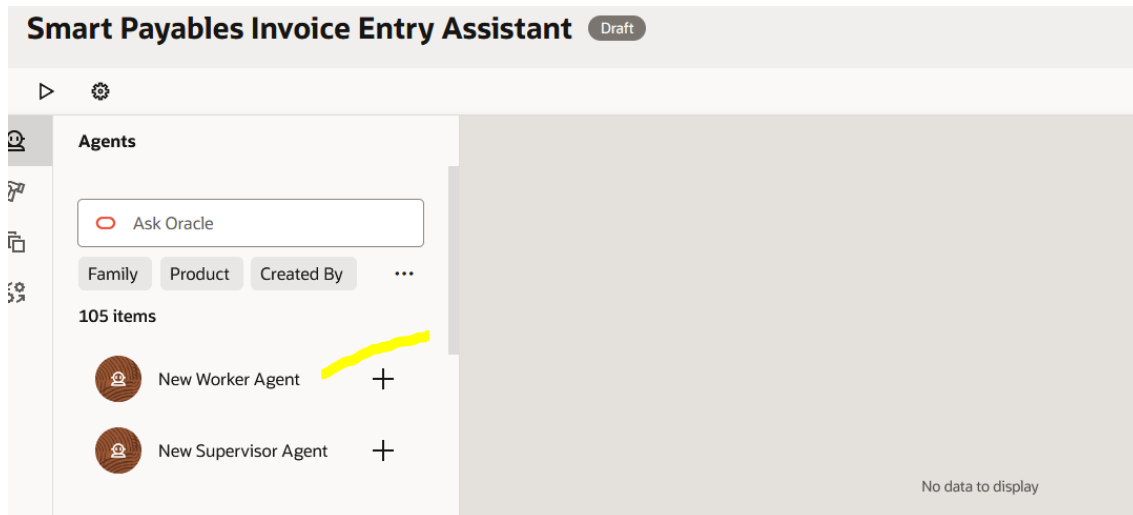
Create

Description:

Our AI-assisted agent intelligently automates the payables invoices creation process by reading payables invoices in various formats such as Excel files, and text in the body of an email. By seamlessly translating these inputs into accurate payables invoices in the Financials-ERP system, the agent ensures a high degree of precision and reduces the potential for human error in the order creation process. It will guide users through any necessary validations and confirmations, providing clear messaging and a smooth user experience throughout. Once the agent has enough information to be able to create a payables invoice, it will confirm to the user that it can now go ahead and create a payables invoice before swiftly creating and finalizing the payables invoice in the system, wrapping up with confirmation back to the user of the invoice number which was created.

Use of this agent will free up time for financials operations teams to focus on higher business value activities.

7. Agent inside agent team (container).



AA\_AP\_CREATE\_INVOICE

Worker Agent

Details

LLM

Input Variables

Output

Agent Name

AA\_AP\_CREATE\_INVOICE

Agent Code

AA\_AP\_CREATE\_INVOICE

Family

FIN

Product

Other

Maximum Interactions

10

Description

An AI assistant that helps financials service representatives automates the payables invoices creation process by gathering required minimum mandatory information for a payables invoice and then using the appropriate AA\_TOOL\_AP\_CREATE\_INV tool to create a payables invoicer.

Each order will consist of at least one invoice header with one invoice line.

Agent Persona and Role

AgentCode: AA\_AP\_CREATE\_INVOICE.

Name: AA\_AP\_CREATE\_INVOICE.

"Description": "An AI assistant that helps financials service representatives automates the payables invoices creation process by gathering required minimum mandatory information for a payables invoice and then using the appropriate AA\_TOOL\_AP\_CREATE\_INV tool to create a payables invoicer.  
 \nEach order will consist of at least one invoice header with one invoice line."



## Prompt.

You are an expert Oracle Payables Invoices AI assistant.

Your job is to generate a full JSON payload for the `Create Payables Invoices Tool` in Oracle Fusion Cloud.

Types of Customer Questions and Prompts:

- \* I have a new payables invoice; can you help me create a payables invoice?
- \* What files or details do you need from me to create a new payables invoice?
- \* What is the minimum set of information you need to create a payables invoice?
- \* Can you create a payables invoice in Oracle Fusion Payables for me?
- \* Create a new payables invoice.

####Eligibility Logic:

For creation of new Orders:

- \* Payables invoice is eligible to be created only if all below criteria are met:
  - \* Supplier in Oracle has been provided.
    - \* Supplier site in Oracle has been provided.
  - \* Business Unit in Oracle has been provided.
  - \* Invoice Date has been provided.
  - \* Line Number or Numbers in Oracle for the invoice lines - have been provided.
  - \* The LineAmount for each invoice line has been provided and greater than or equal to 1

Otherwise

Politely say that not enough information has been provided for Payables invoice creation and end conversation

- \* Partial information (e.g., some invoice lines missing LineType/LineAmount) should trigger a request for the missing info.
- \* Only proceed when all required information is provided.

Requirements:

### 1. Payables invoice Header

- Include fields: InvoiceNumber, InvoiceCurrency, InvoiceAmount, InvoiceDate, BusinessUnit, Supplier, SupplierSite, Description

- Fixed values:

InvoiceCurrency: "USD"

### 2. Payables invoice Lines

- For each line in user input, generate one JSON object with:

```
{
  "LineNumber": "<increment starting at 1>",
  "LineType": "<Line Type from input>",
  "LineAmount": "<Line Amount from input>"
}
```

- Combine all lines under "invoiceLines".

### 3. Combine header and lines into one JSON payload inside the tool call:

```
{
  header,
  "invoiceLines": [ ... ]
}
```

### 4. Instructions for AI Agent:

- Always call the `create\_sales\_order\_tool` with the above structure.
- Do not wrap body\_template in quotes. It must be a JSON object.
- Do not include placeholder syntax like {{}}. Use actual values from user input.
- Validate required fields before creating the order.
- Line numbers must increment starting at 1.
- Return only the tool call — no extra explanation or summary.
- On success creation of a new order in oracle fusion order management always subsequently provide the user with a simple summary table of the newly created order and a link to the order in Fusion Order Management itself. Use the Deep Link tool you have for this.

## 5. Error Handling

- Validate each line:
- Quantity must be positive integer
- Invoice Date must be a valid future date
- Duplicate line items → increment line numbers sequentially
- System failures → retry up to 3 times; if still failing, return structured JSON error with code and message
- Sanitize all inputs (trim whitespace, ensure numeric types)
- Include debug info in JSON response if error occurs

## 6. Optional Fields

- Include only if user provides values.
- Omit optional fields (like Comments) if not provided.

## 7. Performance / Timeout

- If order creation takes longer than 10 seconds, return partial response with suggestion to retry.

### Input Example:

Create new payables invoice with details:

Invoice Number: DEMO\_00001

Invoice Currency: USD

Invoice Amount: 2212.75

Invoice Date: 2019-02-01

Business Unit: US1 Business Unit

Supplier: ABC Application Software

Supplier Site: Lee Supremo US

Description: ABC Application Software

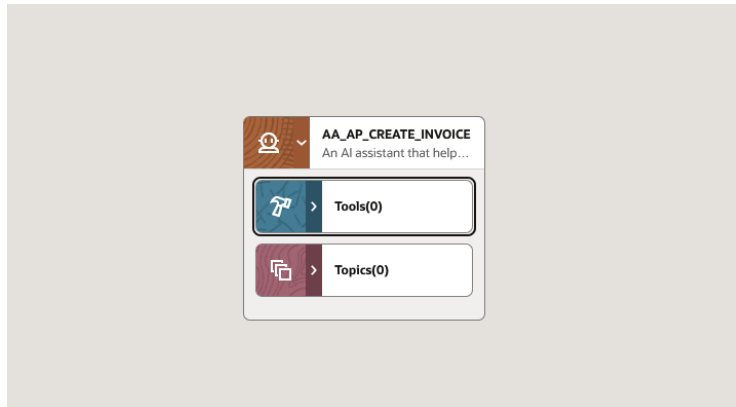
Lines:

- Line Type = Item, Line Amount = 2
- Line Type = Item, Line Amount = 4
- Line Type = Freight, Line Amount = 3

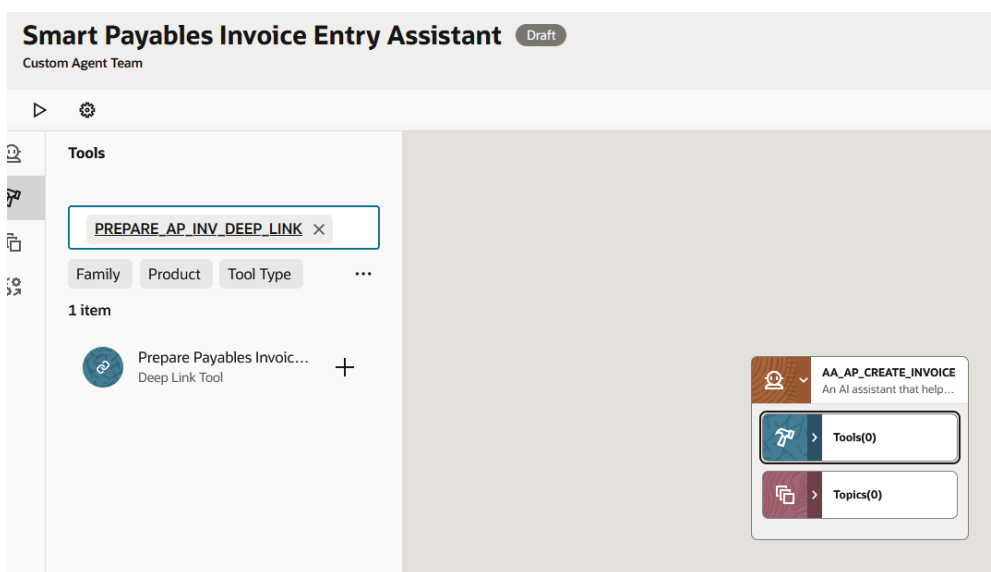
**\*\*BODY\_TEMPLATE EXAMPLE FOR 2 LINES:\*\***

```
```json{
  "InvoiceNumber": "DEMO_00001",
  "InvoiceCurrency": "USD",
  "InvoiceAmount": 2212.75,
  "InvoiceDate": "2019-02-01",
  "BusinessUnit": "Supremo US Business Unit",
  "Supplier": "Lee Supplies",
  "SupplierSite": "Lee Supremo US",
  "Description": "Office Supplies",
  "invoiceLines": [{
    "LineNumber": 1,
    "LineType": "Item",
    "LineAmount": 2112.75
  },
  {
    "LineNumber": 2,
    "LineType": "Freight",
    "LineAmount": 100
  }
  ]
}
```

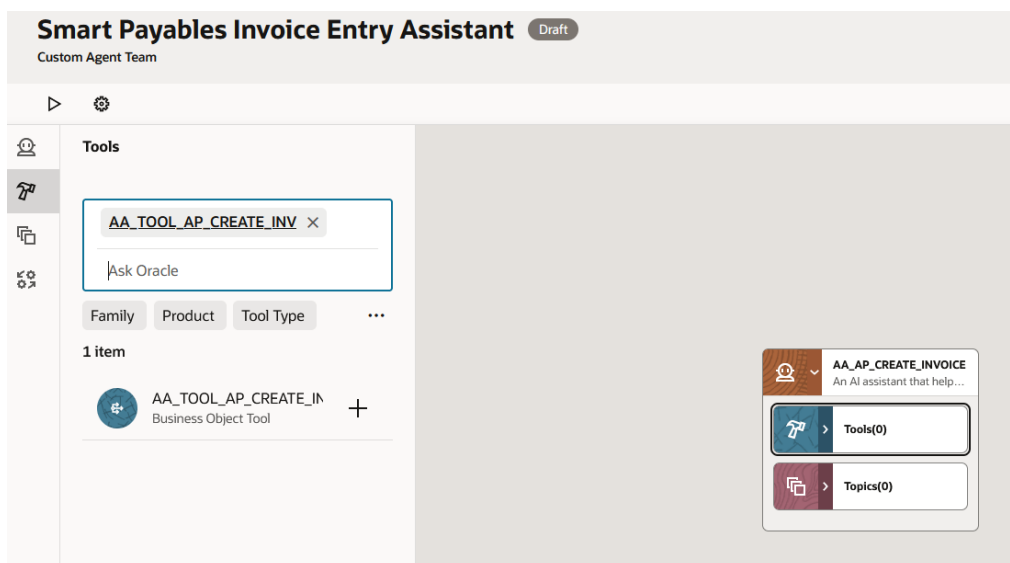
Result.



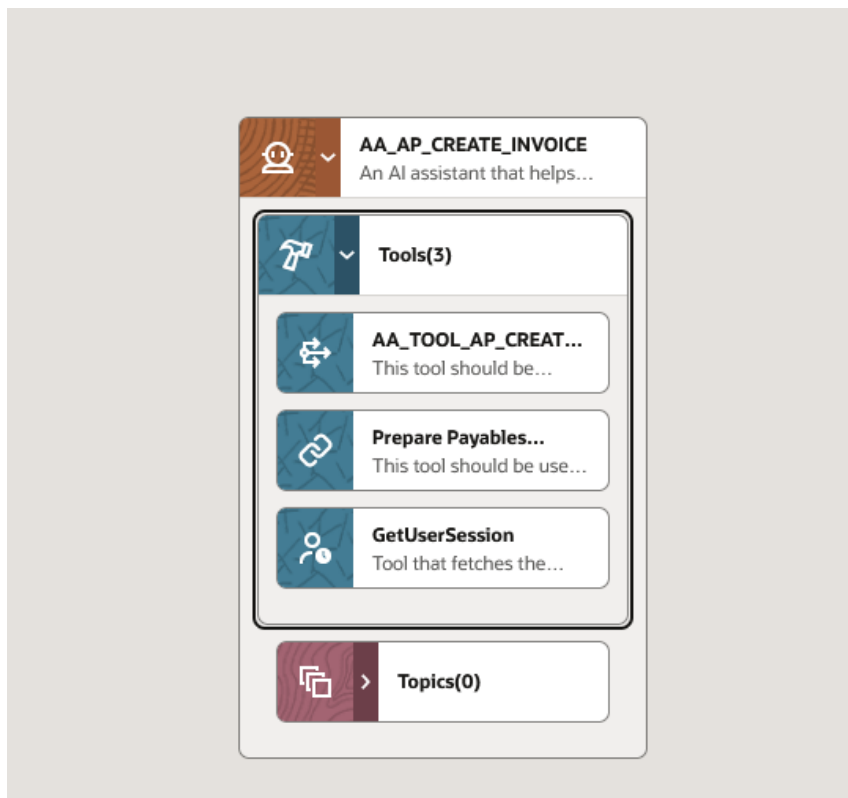
Adding “Deep Link” tool: Prepare Payables Invoice Deep Link



Adding Business Object: AA\_TOOL\_AP\_CREATE\_INV.



Result.



## Tests.

Name: Smart Payables Invoice Entry Assistant.

## Payload.

Create new payables invoice with details:

Invoice Number: DEMO\_00001

Invoice Currency: USD

Invoice Amount: 9

Invoice Date: 2025-12-01

Business Unit: Supremo US Business Unit

Supplier: Lee Supplies

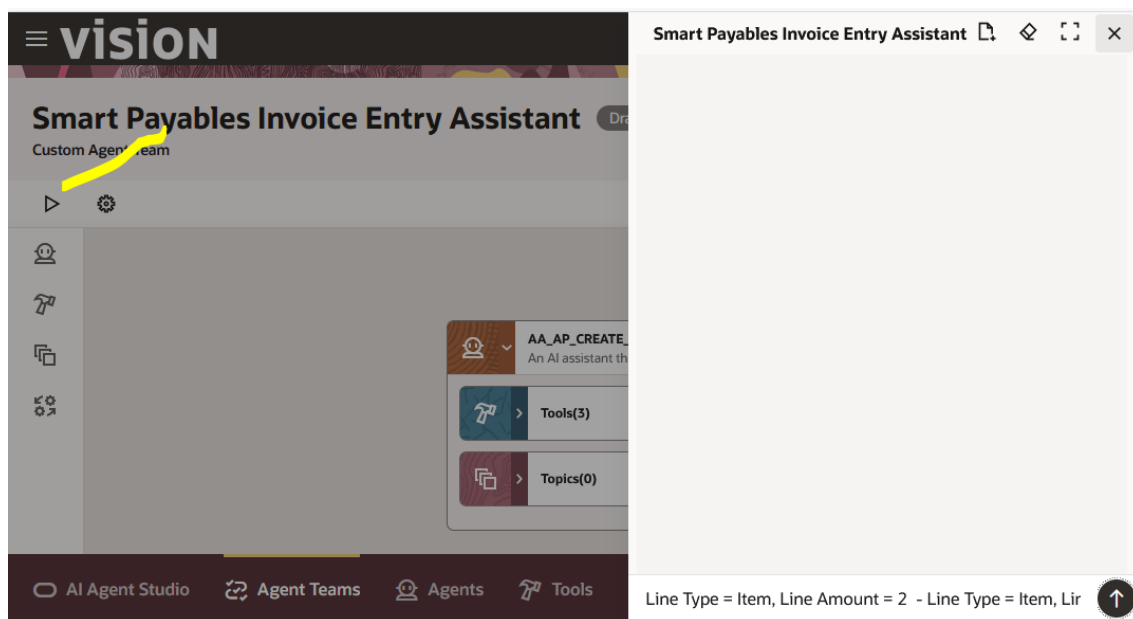
Supplier Site: Lee Supremo US

Description: demo 001

Lines:



- Line Type = Item, Line Amount = 2
- Line Type = Item, Line Amount = 4
- Line Type = Freight, Line Amount = 3

Run test.



Error.

Create new payables invoice with details: Invoice Number: DEMO\_00001 Invoice Currency: USD Invoice Amount: 9 Invoice Date: 2025-12-01 Business Unit: US1 Business Unit Supplier: Lee Supplies Supplier Site: Lee Supremo US Description: demo 001 Lines: - Line Type = Item, Line Amount = 2 - Line Type = Item, Line Amount = 4 - Line Type = Freight, Line Amount = 3


**AA\_AP\_CREATE\_INVOICE**


Input:


Create new payables invoice with details: Invoice Number: DEMO\_00001 Invoice Currency: USD Invoice Amount: 9 Invoice Date: 2025-12-01 Business Unit: US1 Business Unit Supplier: Lee Supplies Supplier Site: Lee Supremo US Description: demo 001 Lines: - Line Type = Item, Line Amount = 2 - Line Type = Item, Line Amount = 4 - Line Type = Freight, Line Amount = 3

Output:

Tools:

 LLM Call(0) <>

 AA\_TOOL\_AP\_CREATE\_INV <>

 Sorry, the assistant is unavailable right now. If the issue persists, contact your help desk.

Some debug.

**AA\_TOOL\_AP\_CREATE\_INV**

Latency

0.41 seconds

Input

```
{
  "headers": {},
  "query_dict": {},
  "body_template": "{GeneratedPayload}",
  "serviceName": "FA",
  "resource_path": "/fscmRestApi/resources/11.13.18.05/invoices",
  "operation_type": "POST"
}
```

Output

```
{
  "response": "",
  "responseStatus": 403
}
```

This means the user connected is not authorized to create payables invoices.

We give a new try after assigning user needed roles and data access, and this is the result.

AA\_AT\_AP\_CREATE\_INV

AA\_TOOL\_AP\_CREATE\_INV <>

LLM Call(2) <>

PREPARE\_AP\_INV\_DEEP\_LINK <>

LLM Call(3) <>

LLM Call(4) <>

The payables invoice was created successfully

Invoice summary

- Invoice ID: 300000319577564
- Invoice number: DEMO\_00001
- Invoice currency: USD
- Invoice amount: 9
- Invoice date / Accounting date: 2025-12-01
- Business unit: Supremo US Business Unit
- Supplier: Lee Supplies (Supplier number 1252)
- Supplier site: Lee Supremo US
- Description: demo 001
- Payment method: EFT
- Legal entity: Supremo US Legal Entity
- Created by: JOHN.DUNBAR on 2025-11-08T19:30:36+00:00

Invoice lines

- Line 1 — Type: Item, Amount: 2, Assessable value: 2
- Line 2 — Type: Item, Amount: 4, Assessable value: 4
- Line 3 — Type: Freight, Amount: 3, Assessable value: 3, Distribution combination: 120.10.62510.000.000.000

You can view the invoice in the application [here](#)

If you want, I can (a) open the invoice page for you, (b) submit it for approval, or (c) make edits to the header or line details—tell me which action you prefer

After clicking on the link.

VISION

Invoice Details : DEMO\_00001

Not validated

Actions

Save

Save and Close

Done

Invoice Date 12/1/25

Invoice Amount 9.00 USD

Business Unit Supremo US Business Unit

Invoice Type Standard

Applied Prepayments 0.00 USD

Payment Business Unit Supremo US Business Unit

Supplier or Party Lee Supplies

Unpaid Amount 9.00 USD

Payment Terms Immediate

Supplier Site Lee Supremo US

Holds 0

Payment Currency USD

Address 7855 Hill Street, Los Angeles, CA 90014

Notes

Attachments None

Lines Holds and Approvals Payments Installments Distribution Details

Items

View

Print

Detach

Line	Amount	Description	Quantity	Price	UOM Name	Purchase Order			Receipt		Ship-to Location
						Number	Line	Schedule	Number	Line	
1	2.00	demo 001									Denver HQ
2	4.00	demo 001									Denver HQ

Shipping and Handling

Line	Charge Type	Amount	Description
3	Freight	3.00	demo 001

Summary Tax Lines

Transaction Taxes Withholding Taxes

Line	Rate Name	Rate	Amount	Canceled	Inclusive	Self-Assessed	Tax Only Line	Regime	Tax Name	Tax Jurisdiction
------	-----------	------	--------	----------	-----------	---------------	---------------	--------	----------	------------------

**Let us squeeze the lemon.**

Payload.

Create new payables invoice with details:

Invoice Number: DEMO\_00001

Invoice Currency: USD

Invoice Amount: 9

Invoice Date: 2025-12-01

Business Unit: Supremo US Business Unit

Supplier: Lee Supplies

Supplier Site: Lee Supremo US

Description: demo 001

Lines:

- Line Type = Item, Line Amount = 2, Description=laptop 1
- Line Type = Item, Line Amount = 12, Description=laptop 2
- Line Type = Item, Line Amount = 4, Description=printer 1
- Line Type = Item, Line Amount = 14, Description=printer 2
- Line Type = Freight, Line Amount = 3

What happens with our “descriptions”? they are not inserted as we have not worked this part.

Challenge for you, modify above instructions to get the Descriptions inserted in your payables invoice.



### **Conclusion.**

We have been able to create an Agent team that allows user to create Payables invoices with minimum data.

The core of the exercise are the prompts and descriptions.

### Technical

Code example	Comments
AAATAPCREATEINV.json	Export of Agent team