

**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 <code>/fscmUI/faces/deeplink?objType=AP_VIEWINVOICE&amp;action=VIEW&amp;objKey=InvoiceId={InvoiceId}</code>	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**

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\_AA\_BO\_AP\_CREATE\_INV

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 a dialog box titled "Add a new scenario". At the top, there is a message: "You're signed in twice. Sign out from other browsers or devices and sign in again." with "Cancel" and "Done" buttons. The main area has fields for "Name" (CreateInvoice), "Description" (payables invoice describes the actual payload, headers, and parameters which should be used when actually invoking the API of the business function), "Operation Type" (HTTP POST), and "Resource Path" (/fscmRestApi/resources/11.13.18.05/invoices).

Operation payload: {GeneratedPayload}

Operation type: POST.

The screenshot shows a configuration interface for the CreateInvoice function. It includes sections for "Headers", "Parameters and Business Object Fields", and "Example Usages".

**Headers:** No data to display.

**Parameters and Business Object Fields:**

Name	Data Type	Description	Is Parameter	Actions
GeneratedPayload	string	GeneratedPayload	true	

**Example Usages:** No data to display.

## 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.

The screenshot shows the configuration page for the tool AA\_TOOL\_AP\_CREATE\_INV. At the top, there are fields for Tool Type (Business Object), Tool Name (AA\_TOOL\_AP\_CREATE\_INV), Tool Code (AA\_TOOL\_AP\_CREATE\_INV), and Family (FIN). Below these, there is a Product field set to Other. A large text area for Description contains a note about the tool's purpose, which is partially redacted. Under the 'Require human approval' section, a toggle switch is off, and a note says to enable it if human approval is required. The 'Business object' section lists AA\_BO\_AP\_CREATE\_INV, which is described as a business object used to communicate with Oracle Fusion Payables to create a payables invoice. The 'Functions' section shows a table with one row: CreateInvoice, which is described as a business object function used within the Smart Payables Invoice Entry Assistant business function.

Name	Description
CreateInvoice	This business object function used within the Smart 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**

[ ]

**Details**   LLM   Security   Questions   Input Variables

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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

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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).

The screenshot shows the 'Smart Payables Invoice Entry Assistant' application interface. The title bar indicates it is a 'Draft' version. On the left, there is a sidebar with icons for Home, Agents, Requests, and Help. The main area is titled 'Agents' and displays a list of agents. At the top of the list is an entry for 'Ask Oracle'. Below this are two newly created agents: 'New Worker Agent' and 'New Supervisor Agent', each accompanied by a '+' sign to their right. A yellow highlight is drawn over the '+' sign next to the 'New Worker Agent'. The status message 'No data to display' is visible at the bottom right of the list area.

**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

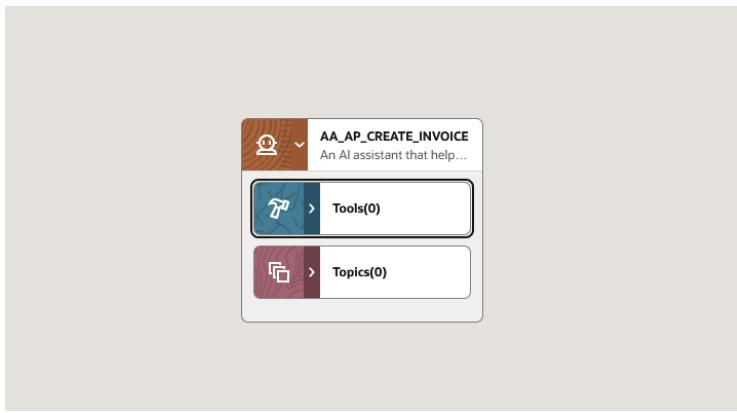
#### Lines:

- 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.



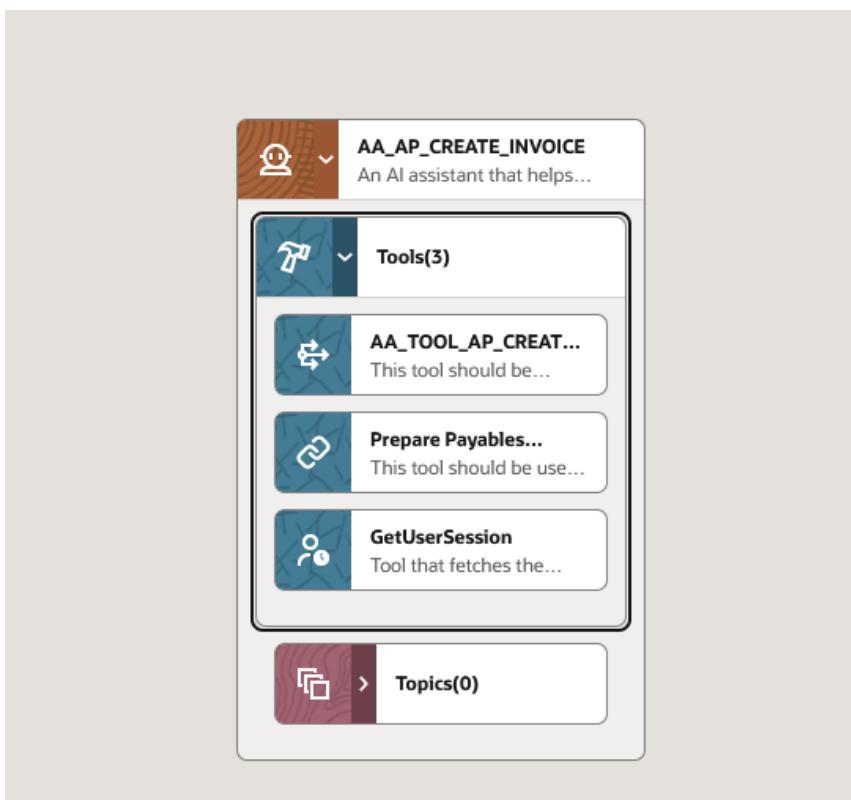
Adding “Deep Link” tool: Prepare Payables Invoice Deep Link

A screenshot of the Oracle Fusion Cloud Service interface for the "Smart Payables Invoice Entry Assistant" (Draft). The left sidebar shows a "Tools" section with a sub-section for "PREPARE\_AP\_INV\_DEEP\_LINK". Inside this section, there are filters for "Family", "Product", "Tool Type", and a "..." button. Below the filters, it says "1 item". A single item is listed: "Prepare Payables Invoice Deep Link Tool". To the right of this list is a preview panel showing the "AA\_AP\_CREATE\_INVOICE" AI assistant card.

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

A screenshot of the Oracle Fusion Cloud Service interface for the "Smart Payables Invoice Entry Assistant" (Draft). The left sidebar shows a "Tools" section with a sub-section for "AA\_TOOL\_AP\_CREATE\_INV". Inside this section, there are filters for "Family", "Product", "Tool Type", and a "..." button. Below the filters, it says "1 item". A single item is listed: "AA\_TOOL\_AP\_CREATE\_INV Business Object Tool". To the right of this list is a preview panel showing the "AA\_AP\_CREATE\_INVOICE" AI assistant card.

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

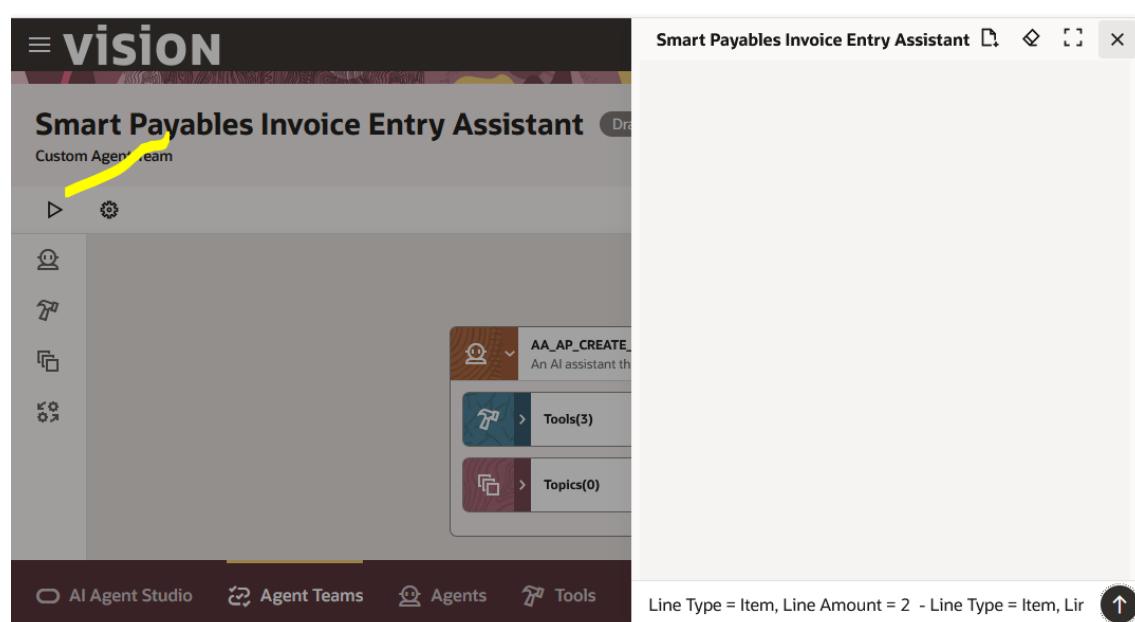
Lines:

- 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

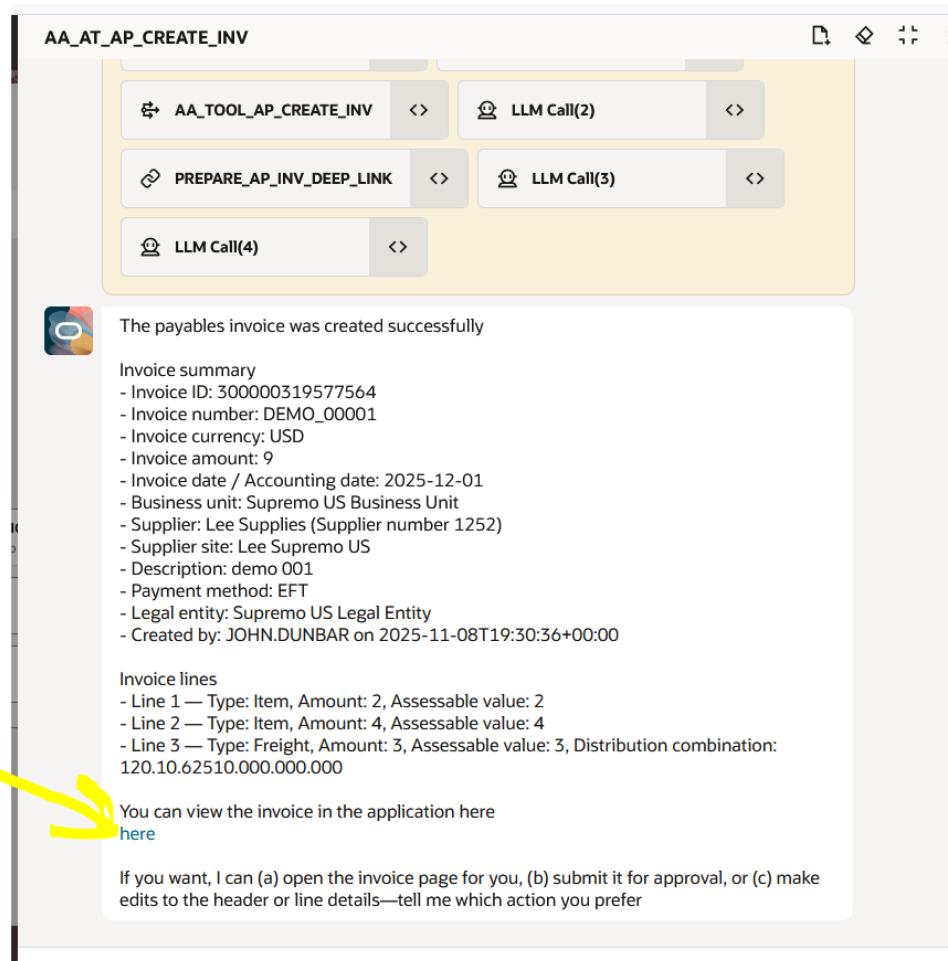
```
{  
  "headers": {},  
  "query_dict": {},  
  "body_template": "{GeneratedPayload}",  
  "serviceName": "FA",  
  "resource_path": "/fscmRestApi/resources/11.13.18.05/invoices",  
  "operation_type": "POST"  
}
```

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.



After clicking on the link.

Invoice Details : DEMO\_00001

Invoice Date: 12/1/25  
Invoice Type: Standard  
Supplier or Party: Lee Supplies  
Supplier Site: Lee Supremo US  
Address: 7855 Hill Street, Los Angeles, CA-90014

Invoice Amount: 9.00 USD  
Applied Prepayments: 0.00 USD  
Unpaid Amount: 9.00 USD  
Holds: 0  
Notes:

Business Unit: Supremo US Business Unit  
Payment Business Unit: Supremo US Business Unit  
Payment Terms: Immediate  
Payment Currency: USD  
Attachments: None

Items								
Line	Amount	Description	Quantity	Price	UOM Name	Purchase Order Number	Receipt Line	Ship-to Location
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

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 no 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

<b>Code example</b>	<b>Comments</b>
AAATAPCREATEINV.json	Export of Agent team