

Odoo MCP Server - User Guide

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By: Magenest | Support Portal:

Error rendering macro 'toc'

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Introduction

Odoo MCP Server connects AI applications such as Claude and Codex with Odoo through the Model Context Protocol (MCP).

Once connected, AI Agents can work with Odoo data within the permissions granted to them. Administrators can control access at two levels: permissions configured for individual Odoo models and Odoo's existing user access controls. This helps ensure that AI Agents can only read, create, update, or delete data that the connected user is authorized to access.

Highlight Features

- Connect Claude and Codex to Odoo through MCP.
- Authenticate MCP connections using Odoo user accounts.
- Enable or disable the MCP Gateway directly in Odoo.
- Control Read, Write, Create, and Delete permissions for individual Odoo models.
- Apply Odoo's existing model access, record rules, and user groups to AI activity.
- Allow AI Agents to work with Odoo data directly from a chat interface.
- Control whether specific MCP tools require user approval before they are executed.

System Requirements

Before configuring Odoo MCP Server, make sure the following requirements are met:

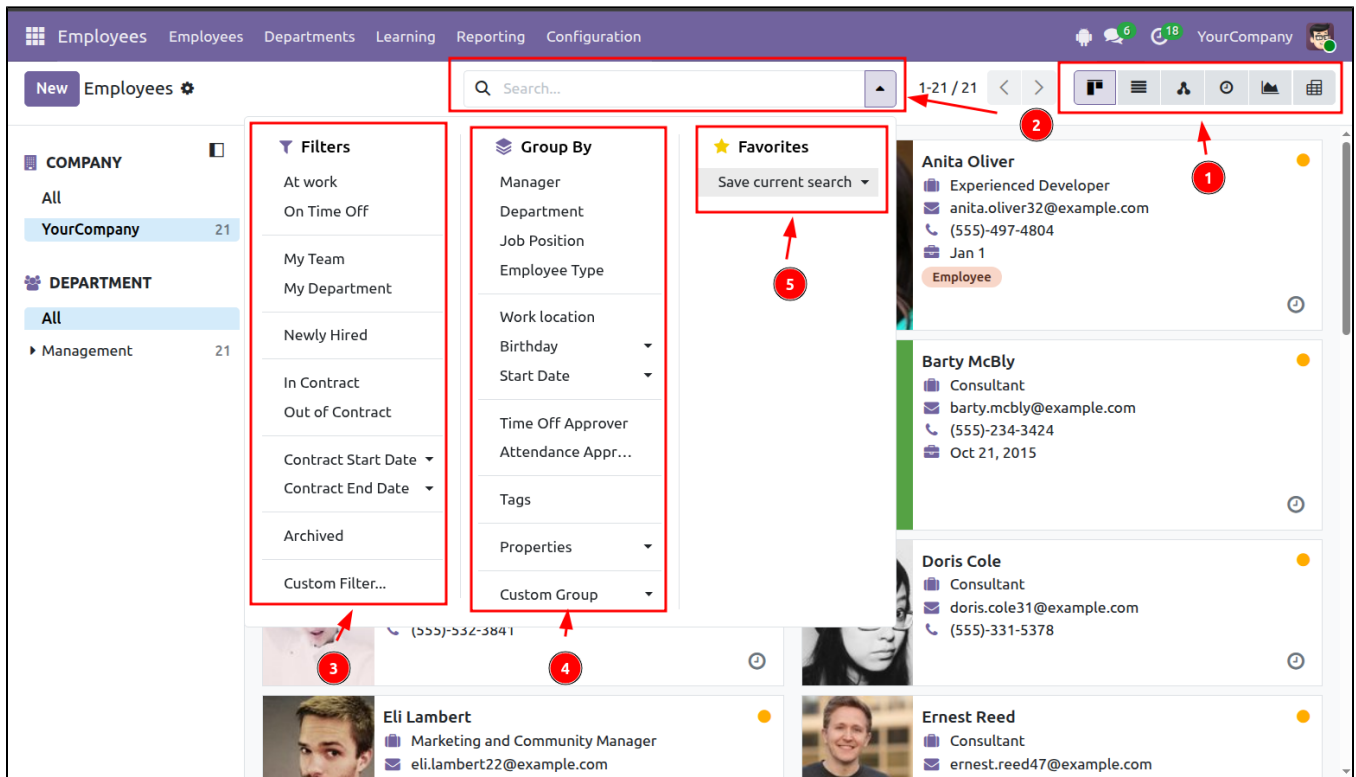
- Access to an Odoo environment with the required MCP modules installed.
- Administrator access to configure the MCP Gateway and model permissions.
- An Odoo user account with the appropriate business permissions.
- Access to Claude or Codex for creating the MCP connection.
- The MCP Gateway must be enabled before an external AI application can connect.
- The Odoo server must be accessible from the AI application through the configured MCP Server URL.

The original guide contains login credentials for test accounts. These should not be included in a public website version of the user guide.

General System Operations

Views, Search, and Filters

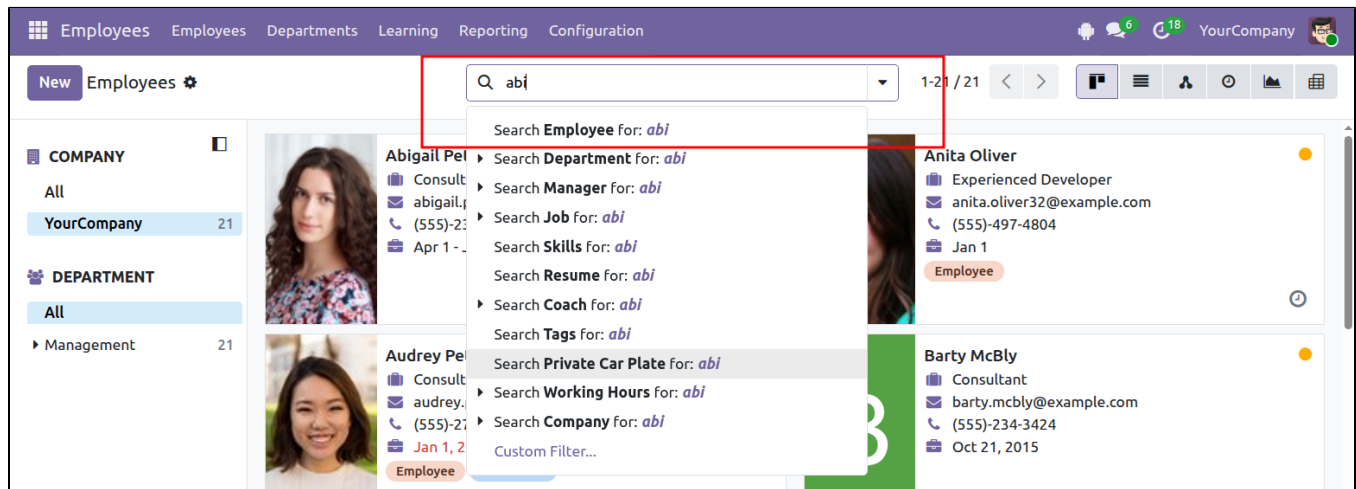
From any screen, users can switch between the available views by clicking the corresponding view icon in the upper-right corner (1).



To apply filters or group records, click the search bar (2) and select the options you need. You can use built-in filters and groups or create your own. Multiple grouping levels can also be applied.

The current filter can be saved to **Favorites** (5) for later use.

When you enter a keyword in the search bar, Odoo displays the fields that can be searched. Select the appropriate field to filter records using the keyword you entered.

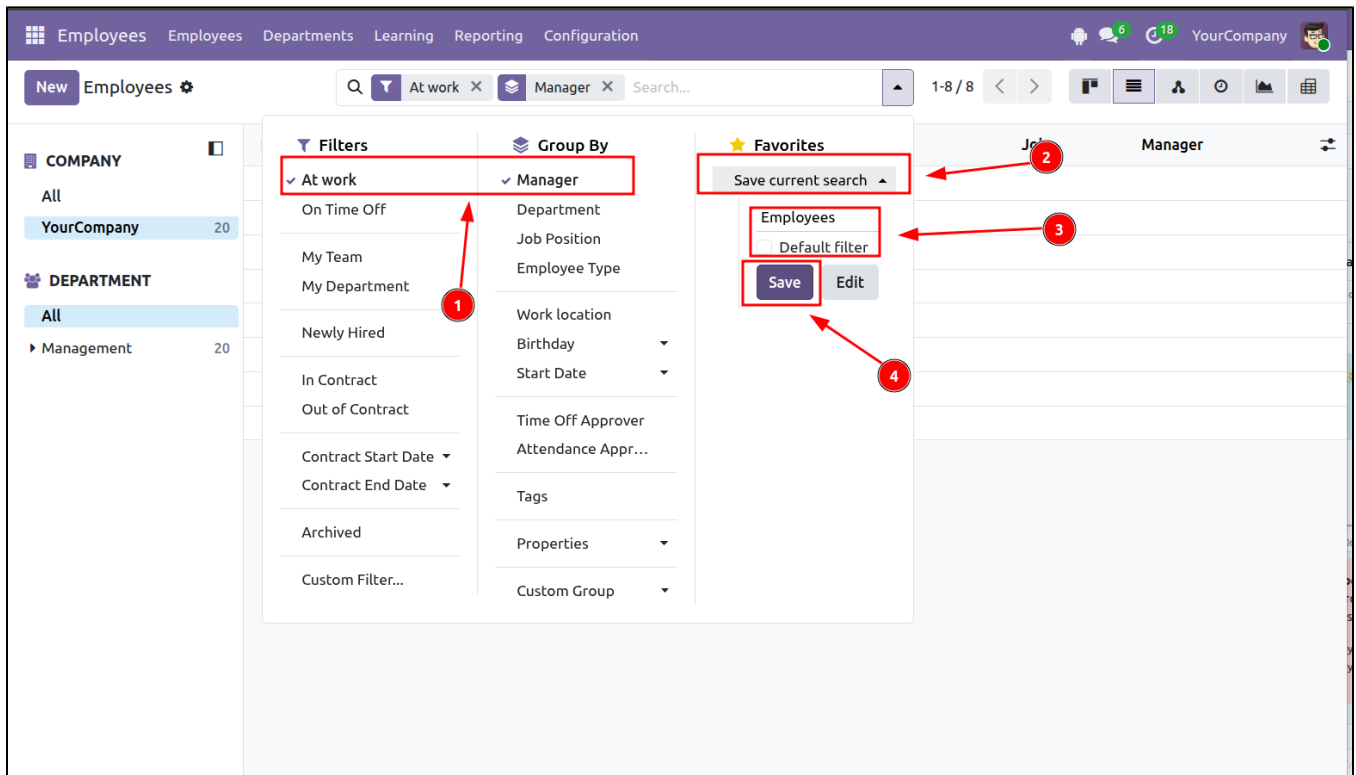


Employee Name	Work Phone	Department	Job	Manager
Abigail Peterson	(555)-233-3393	Management / Professional Services	Consultant	
Anita Oliver	(555)-497-4804	Management / Research & Development / R&D ...	Experienced	
Audrey Peterson	(555)-276-7903	Management / Professional Services	Consultant	
Barty McBly	(555)-234-3424	Management / Administration	Consultant	
Beth Evans	(555)-532-3841	Management / Research & Development	Experienced	
Doris Cole	(555)-331-5378	Management / Professional Services	Consultant	
Eli Lambert	(555)-169-1352	Management / Sales	Marketing a	
Ernest Reed	(555)-518-8232	Management / Professional Services	Consultant	
Jeffrey Kelly	(555)-264-7362	Management / Sales	Marketing a	
Jennie Fletcher	(555)-363-8229	Management / Research & Development	Experienced	
Keith Byrd	(555)-505-5146	Management / Research & Development	Experienced	
Marc Demo	(441)-695-2334	Management / Research & Development	Experienced	
Mitchell Admin	+1 555-555-5555	Management	Chief Technic...	Mitchell Admin
Paul Williams	(555)-262-1607	Management / Research & Development / R&D ...	Experienced ...	Marc Demo

In List View (1), click the column settings icon (2) to choose which columns are shown or hidden.

Save the Current Filter

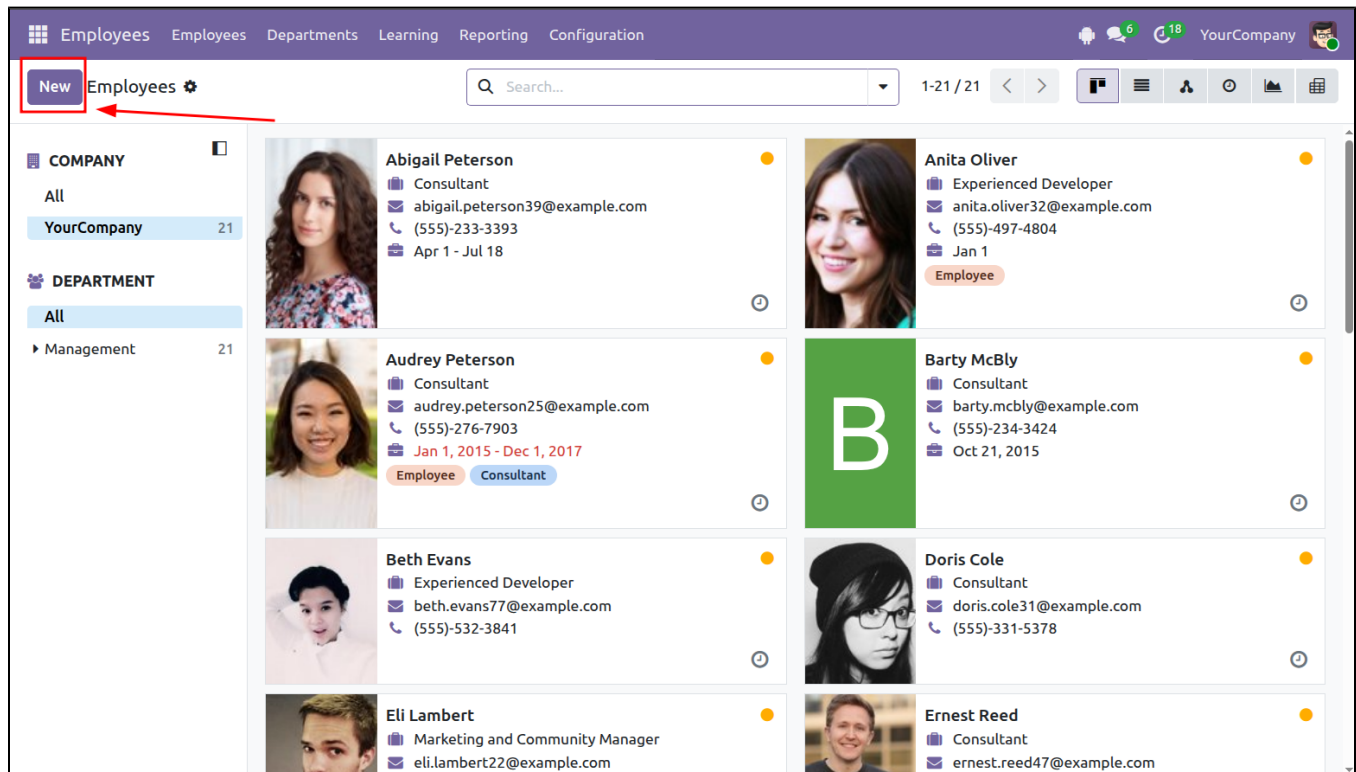
- + **Step 1:** Apply the filters or grouping options you want (1). You can use existing options or create custom ones.
- + **Step 2:** Select **Save current search** (2).
- + **Step 3:** Enter a name for the saved filter.
 - Select **Default Filter** if you want it to be applied automatically whenever you open the view.
 - Select **Shared** if you want other users in the system to be able to use it.
- + **Step 4:** Click **Save** (4).



Create a New Record

Create a Record Manually

+ **Step 1:** Open the section where you want to create a new record, for example **Employees**, then click **New**.



+ **Step 2:** Enter the required information and click **Save** (1).

The screenshot shows the 'Employees' form in Odoo. The top navigation bar includes 'Employees', 'Departments', 'Learning', 'Reporting', and 'Configuration'. Below the navigation bar, there are buttons for 'New', 'Employees', and 'New' (with a gear icon). A red box labeled '1' highlights the gear icon. To the right of the 'New' button, there are buttons for 'Time Off', 'Monthly Hours', and 'History'. A red box labeled '2' highlights the 'Discard' button (with an 'x' icon). To the right of the 'History' button, there is a red box labeled '3' highlighting a 'Missing required fields' warning message. The main form area has a 'Create User' button. Below it, there is a section for 'Employee's Name' with a placeholder image and a text input field. Below this, there are fields for 'e.g. johndoe@example.com', 'Work Phone', 'Work Mobile', and 'e.g. Founder, Motorized, Buildin...'. Below these fields, there are tabs for 'Work', 'Resume', 'Certifications', 'Personal', 'Payroll', and 'Settings'. The 'Work' tab is selected. Below the tabs, there is a 'WORK' section with fields for 'Company' (YourCompany), 'Department', 'Job Position' (e.g. Sales Manager), 'Job Title', and 'Manager'. To the right of the 'WORK' section, there is an 'ORGANIZATION CHART' section with a placeholder image and a text input field.

- Click **Discard** (2) to cancel and return to the previous view.
- If any required fields are missing, Odoo will display a warning and prevent the record from being saved (3).

Duplicate a Record

You can also create a new record by duplicating an existing one.

From a record form:

1. Click the gear icon.
2. Select **Duplicate**.

The screenshot shows the 'Quotations' form in Odoo. The top navigation bar includes 'Sales', 'Orders', 'To Invoice', 'Products', 'Reporting', and 'Configuration'. Below the navigation bar, there are buttons for 'New', 'Quotations', and 'S00007'. A red box labeled '1' highlights the gear icon. Below the 'New' button, there is a 'Create Invoice' button. Below the 'Create Invoice' button, there is a section for 'S0000' with a placeholder image and a text input field. Below this, there is a 'Customer' section with a placeholder image and a text input field. To the right of the 'Customer' section, there is a 'Duplicate' button (with a red box labeled '2' highlighting it) and a 'Delete' button (with a red box labeled '3' highlighting it). Below the 'Duplicate' button, there are buttons for 'Generate a Payment Link' and 'Send an email'.

Alternatively, from **List View**:

1. Select the record or records you want to duplicate.
2. Click **Actions > Duplicate**.

Sales

Orders

To Invoice

Products

Reporting

Configuration

6

18

YourCompany

New Quotations

2 selected

Create Invoices

Print

Actions

1-7 / 7

Number

Creation Date

Customer

Salesperson

Activities

Total

Status

S00007

May 13, 10:16 AM

Gemini Furniture

Mitchell Admin

✓

Check deliv

\$ 1,706.00

Sales Order

S00006

May 13, 10:16 AM

Lumber Inc

Mitchell Admin

✓

To-Do

\$ 750.00

Sales Order

S00004

May 13, 10:16 AM

Gemini Furniture

Mitchell Admin

✓

Upsell

\$ 2,240.00

Sales Order

S00003

May 13, 10:16 AM

Ready Mat

Mitchell Admin

✉

Answer qu

\$ 377.50

Quotation

S00020

May 13, 10:16 AM

YourCompany, Joel Willis

Mitchell Admin

⌚

\$ 2,947.50

Sales Order

S00019

May 13, 10:16 AM

YourCompany, Joel Willis

Mitchell Admin

✓

Get quote confirmation

YourCompany

\$ 1,740.00

Quotation Sent

S00002

May 13, 10:16 AM

Ready Mat

Mitchell Admin

⌚

YourCompany

\$ 2,947.50

Quotation

\$ 2,456.00

Export

Duplicate

Delete

Cancel

Create invoice(s)

Add/Remove Followers

Send an email

Mark Quotation as Sent

Edit a Record

Open the record you want to update and make the necessary changes.

Click **Save** to apply the changes, or **Discard** to cancel them.

Sales Orders To Invoice Products Reporting Configuration																							
New Quotations S00007 1/7																							
Create Invoice Send Preview Cancel Quotation Quotation Sent Sales Order																							
S00007																							
Customer Gemini Furniture		Order Date May 13, 10:16 AM																					
Via Industria 21		Payment Terms 15 Days																					
Serravalle 47899																							
San Marino																							
SM12345																							
Quotation Template SM12345																							
Order Lines Quote Builder Other Info																							
Product	Quantity	Delivered	Invoiced	Unit Price	Taxes	Amount																	
[FURN_6667] Acoustic Bloc Screens (Black) Noise-reducing panels for open spaces	5.00	0.00	0.00	295.00		\$ 1,475.00																	
Two-Seat Sofa (Linen) Two-Seater Sofa with Oak Wood Frame	1.00	0.00	0.00	173.00	0% Exports	\$ 173.00																	
[FURN_8888] Office Lamp	1.00	0.00	0.00	40.00		\$ 40.00																	
[FURN_7777] Office Chair Comfortable yellow chair for daily work	1.00	0.00	0.00	18.00		\$ 18.00																	

Delete a Record

There are two ways to delete records.

From Form View

Open the record, click the gear icon, then select **Delete**.

1

2

Quotations S00007

Create Invoice

S00000

Customer

Order Date May 13, 10:16 AM

Payment Terms Immediate

Quotation Template

Order Lines Quote Builder Other Info

Product	Quantity	Delivered	Invoiced	Unit Price	Taxes	Amount
[FURN_6667] Acoustic Bloc Screens (Black) Noise-reducing panels for open spaces	5.00	0.00	0.00	295.00		\$ 1,475.00
Two-Seat Sofa (Linen) Two-Seater Sofa with Oak Wood Frame	1.00	0.00	0.00	173.00	0% Exports	\$ 173.00
[FURN_8888] Office Lamp	1.00	0.00	0.00	40.00		\$ 40.00
[FURN_7777] Office Chair Comfortable yellow chair for daily work	1.00	0.00	0.00	18.00		\$ 18.00

From List View

Select the records you want to delete, then choose: **Actions > Delete**

1

2

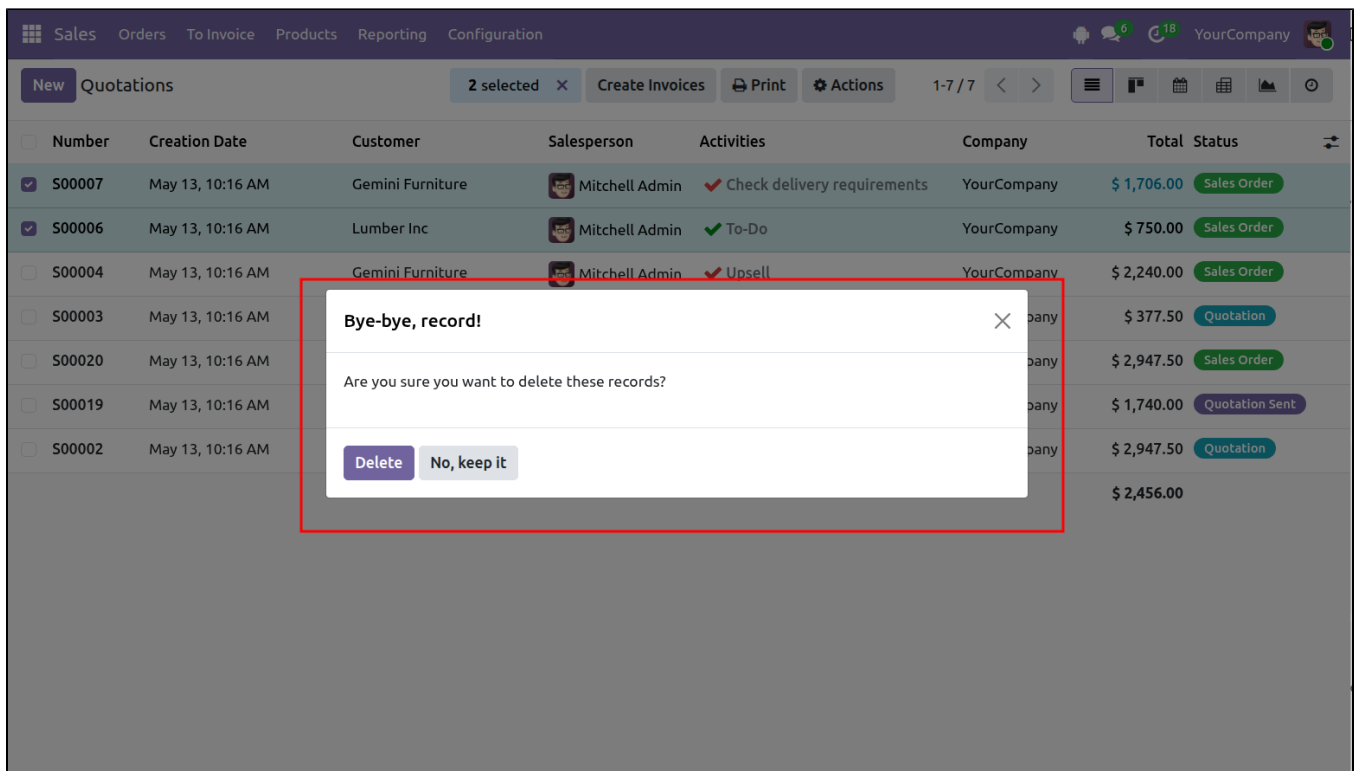
New Quotations 2 selected Create Invoices Print Actions 1-7 / 7

Number	Creation Date	Customer	Salesperson	Activities	Company	Total	Status
☒ S00007	May 13, 10:16 AM	Gemini Furniture	Mitchell Admin	Check deliv	Company	\$ 1,706.00	Sales Order
☒ S00006	May 13, 10:16 AM	Lumber Inc	Mitchell Admin	To-Do	Company	\$ 750.00	Sales Order
☐ S00004	May 13, 10:16 AM	Gemini Furniture	Mitchell Admin	Upsell	Company	\$ 2,240.00	Sales Order
☐ S00003	May 13, 10:16 AM	Ready Mat	Mitchell Admin	Answer qu	Company	\$ 377.50	Quotation
☐ S00020	May 13, 10:16 AM	YourCompany, Joel Willis	Mitchell Admin		Company	\$ 2,947.50	Sales Order
☐ S00019	May 13, 10:16 AM	YourCompany, Joel Willis	Mitchell Admin	Get quote confirmation	YourCompany	\$ 1,740.00	Quotation Sent
☐ S00002	May 13, 10:16 AM	Ready Mat	Mitchell Admin		YourCompany	\$ 2,947.50	Quotation
						\$ 2,456.00	

After you click **Delete**, a confirma

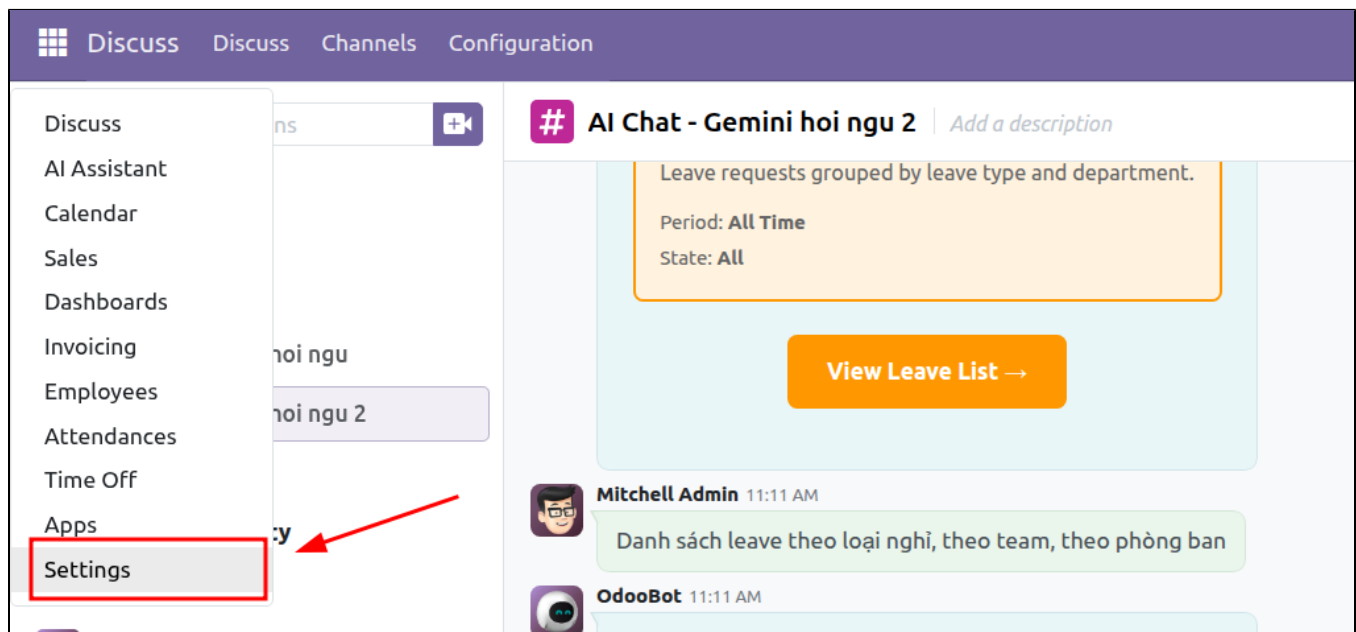
tion dialog appears.

- Select **Delete** to confirm.
- Select **No** to cancel.

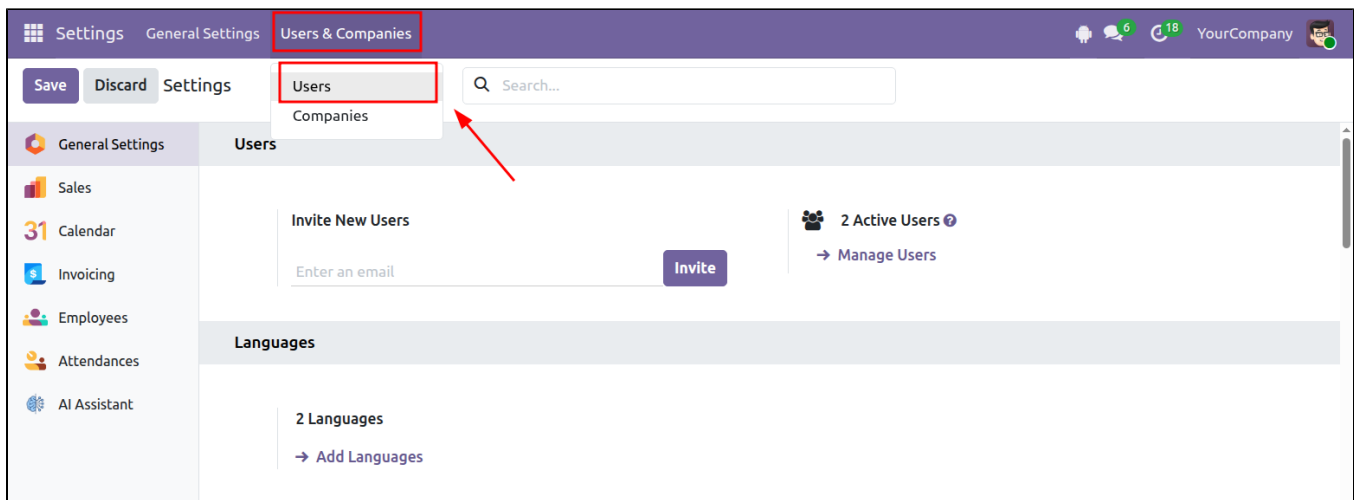


Create a User - Community Edition

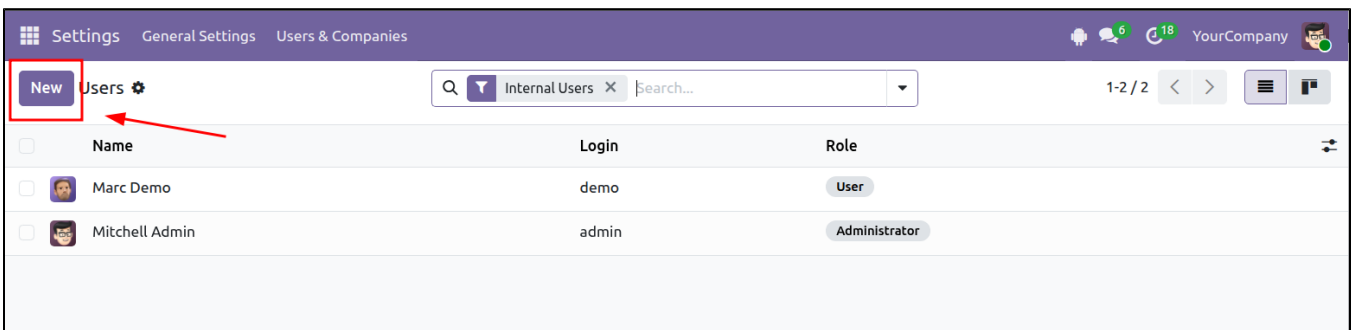
+ Step 1: Open Settings.



+ Step 2: Go to: Users & Companies > Users



+ **Step 3:** Click **New** to create a user.



+ **Step 4:** Enter the user information.

- **Name:** Enter the user's full name as it should appear in Odoo.
- **Email:** Enter the email address the user will use to sign in and receive system notifications.
- **User Type:** Choose the option that best matches the user's role in the system.
 - **Internal User:** For employees who need access to internal and administrative functions such as Attendance, Time Off, Payroll, HR, Accounting, and other business applications.
 - **Portal User:** For employees who only need to view information related to themselves, such as attendance, leave requests, payslips, and overtime, without management or editing access.
 - **Public User:** For external visitors who do not need to sign in and can only access public content on the website.

As a general guideline:

- If an employee only needs to check attendance, submit leave requests, and view payroll or overtime information, use **Portal User**.
- If the user needs to manage, approve, or work with HR, Attendance, or Time Off modules, use **Internal User**.

Settings General Settings Users & Companies

New Users New

Contact

Missing required fields

Send an Invitation Email

Invited Confirmed

e.g. John Doe

Login

Phone

Access Rights Preferences Calendar

ROLES

Role ☒ User ☐ Administrator

Companies YourCompany

Default Company [?] YourCompany

MASTER DATA

Products [?] Create

Contact No

Export No

SALES

Sales [?] Administrator

+ **Step 5:** To change the user's password, click the settings icon and select **Change Password**.

Settings General Settings Users & Companies

New Users Marc Demo

Employee 1 Contact

1 / 2 < >

Invited Confirmed

le.com

Work Mobile

Access Rights Preferences Calendar Security

Duplicate

Archive

Delete

Change Password

Disable two-factor authentication

Send Password Reset Instructions

Privacy Lookup

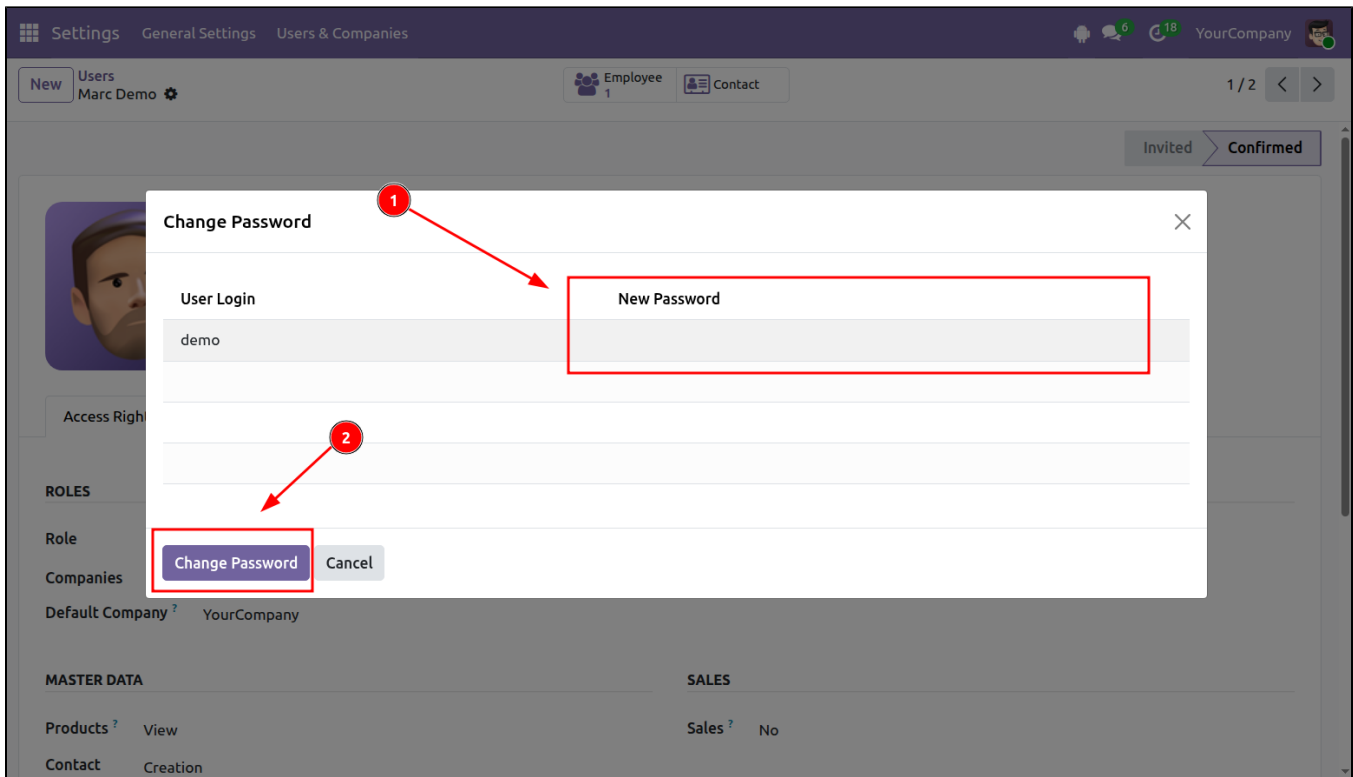
+ **Step 6:** Set the login password.

- Enter the new password in the **New Password** field.
- Click **Change Password** to confirm and save it.

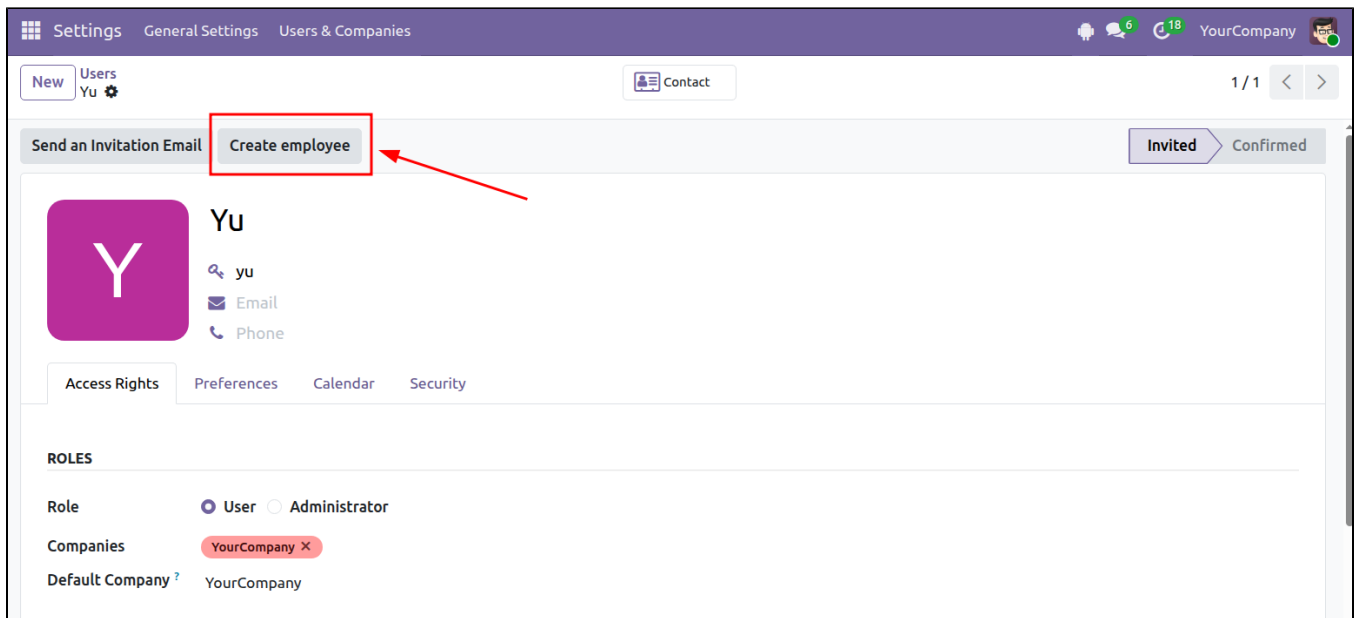
Note

After the password has been updated, the user will sign in with:

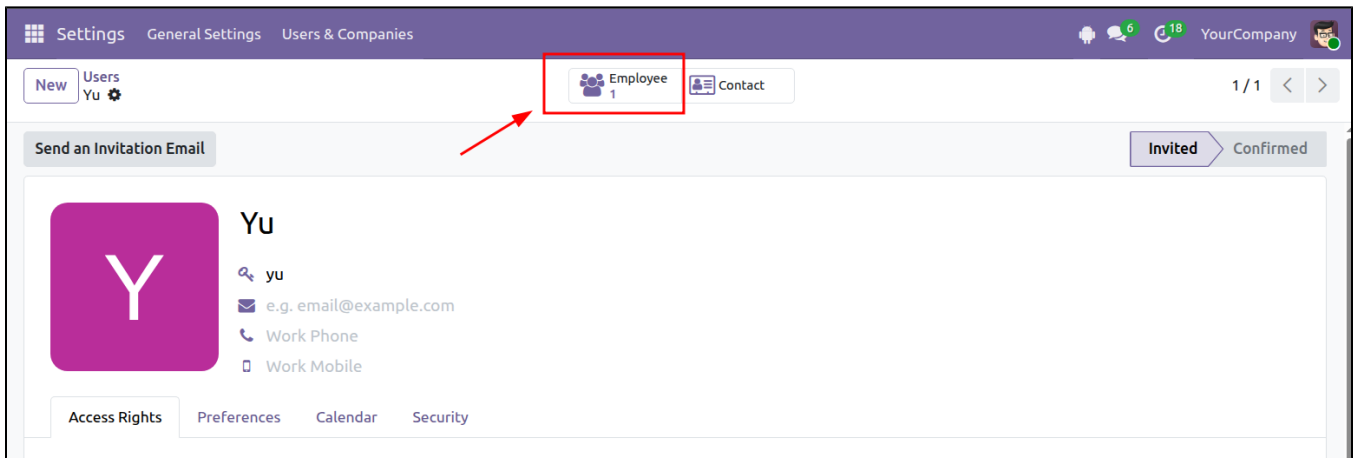
- **Username:** The user account that was created.
- **Password:** The password configured in the previous step.



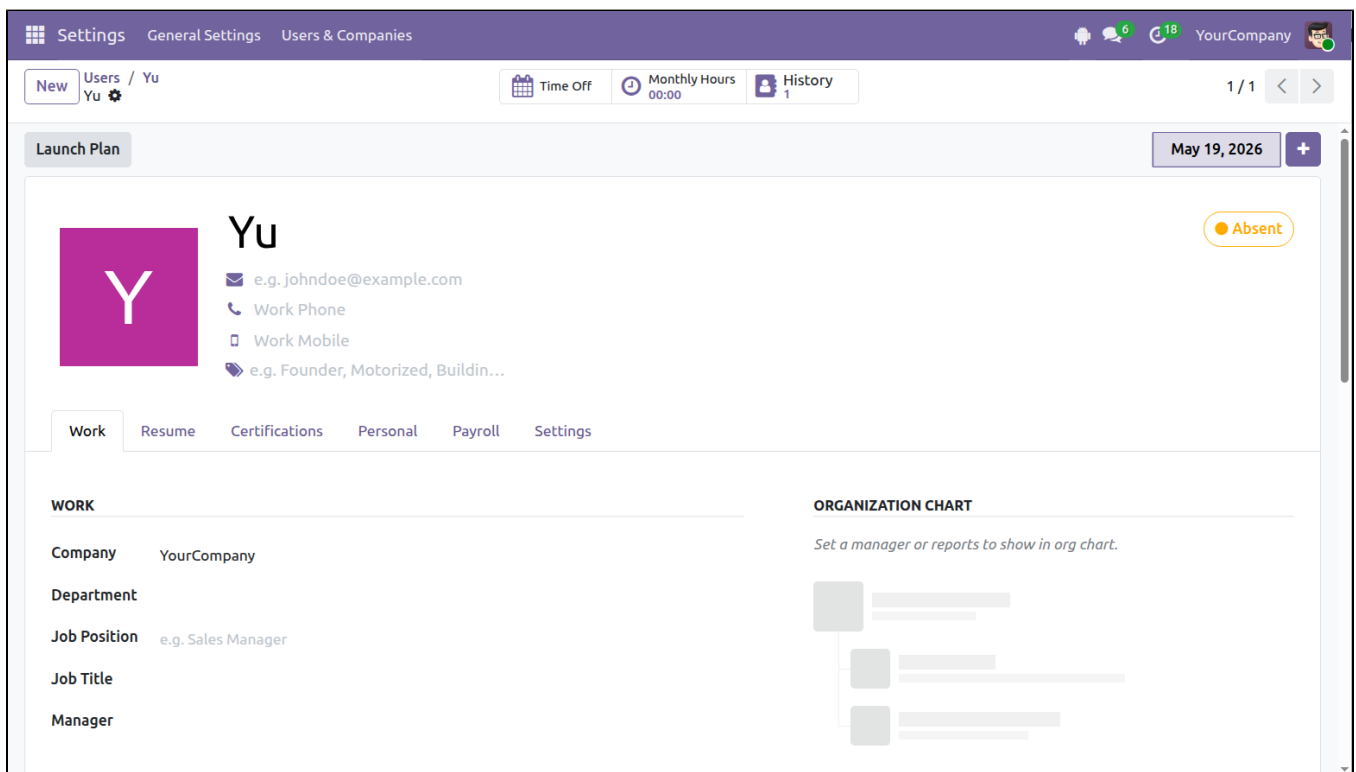
+ **Step 7 - Optional:** Click **Create Employee** to create an employee record for the user.



+ **Step 8:** Once the employee record has been created, click the employee icon to open it.



The user account is automatically linked to the employee profile after the employee is created.



Activate the Required Modules

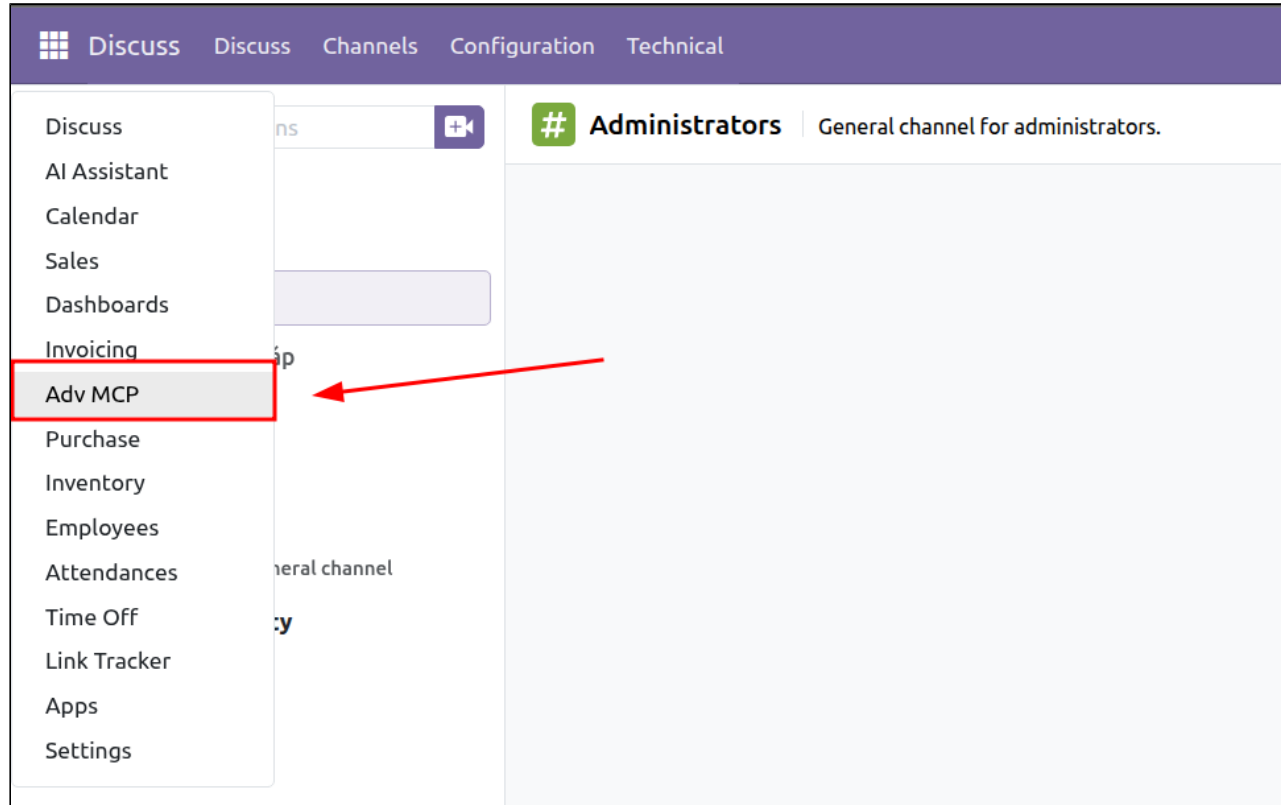
+ Step 1: Open Apps.

I. MCP Connection

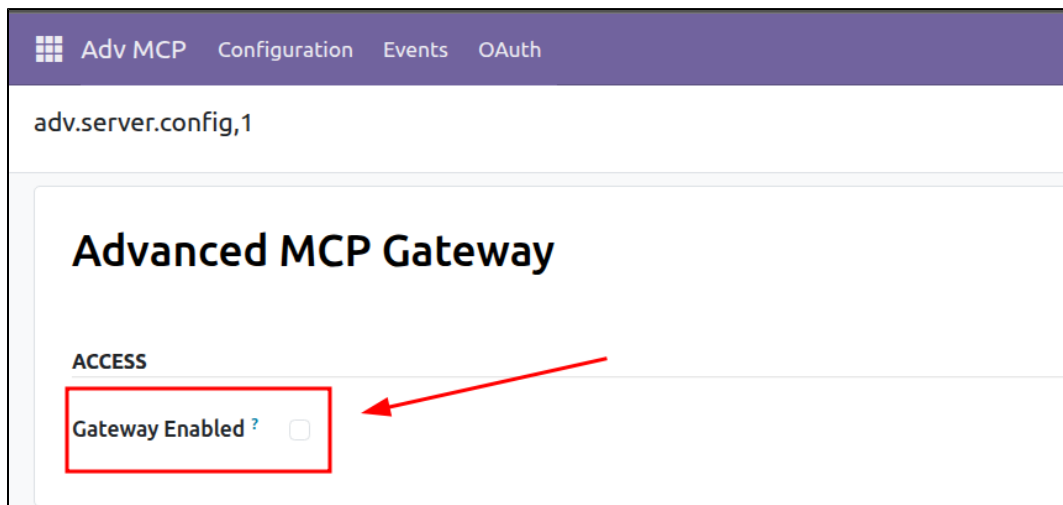
Before connecting an external AI application, the MCP Gateway must be enabled in Odoo.

Enable the MCP Gateway

+ **Step 1:** Open the **Adv MCP** module.

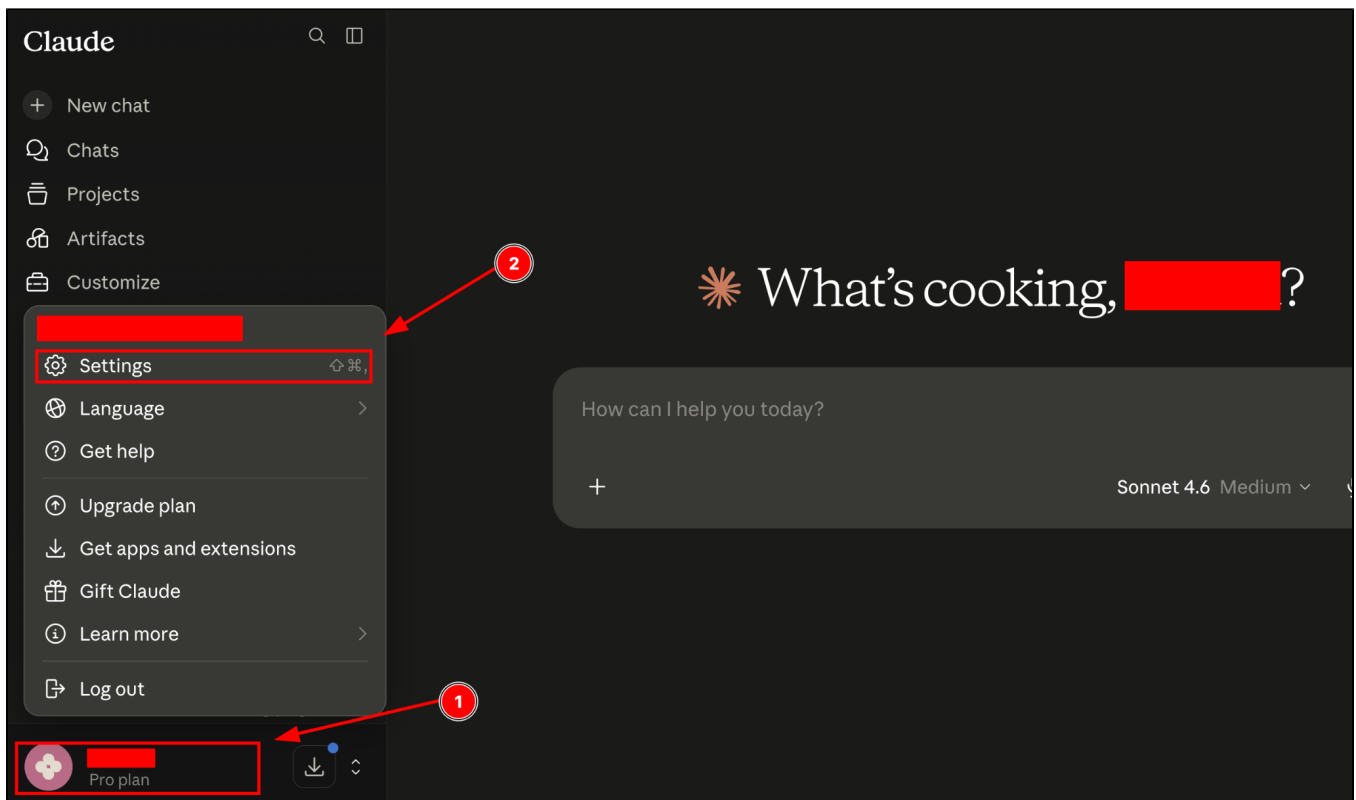


+ **Step 2:** Enable **Gateway Enabled**, then save the configuration.

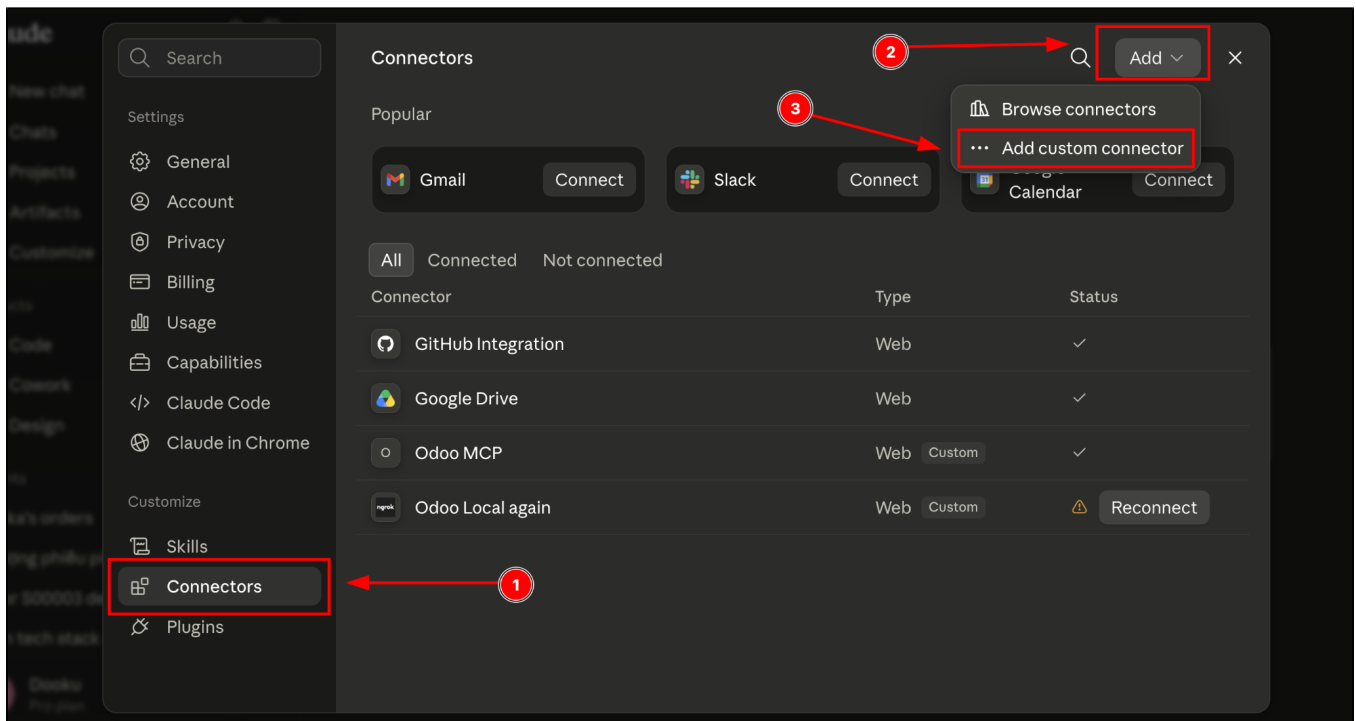


1. Connect Claude

+ **Step 1:** Open Claude, then go to **Settings**.



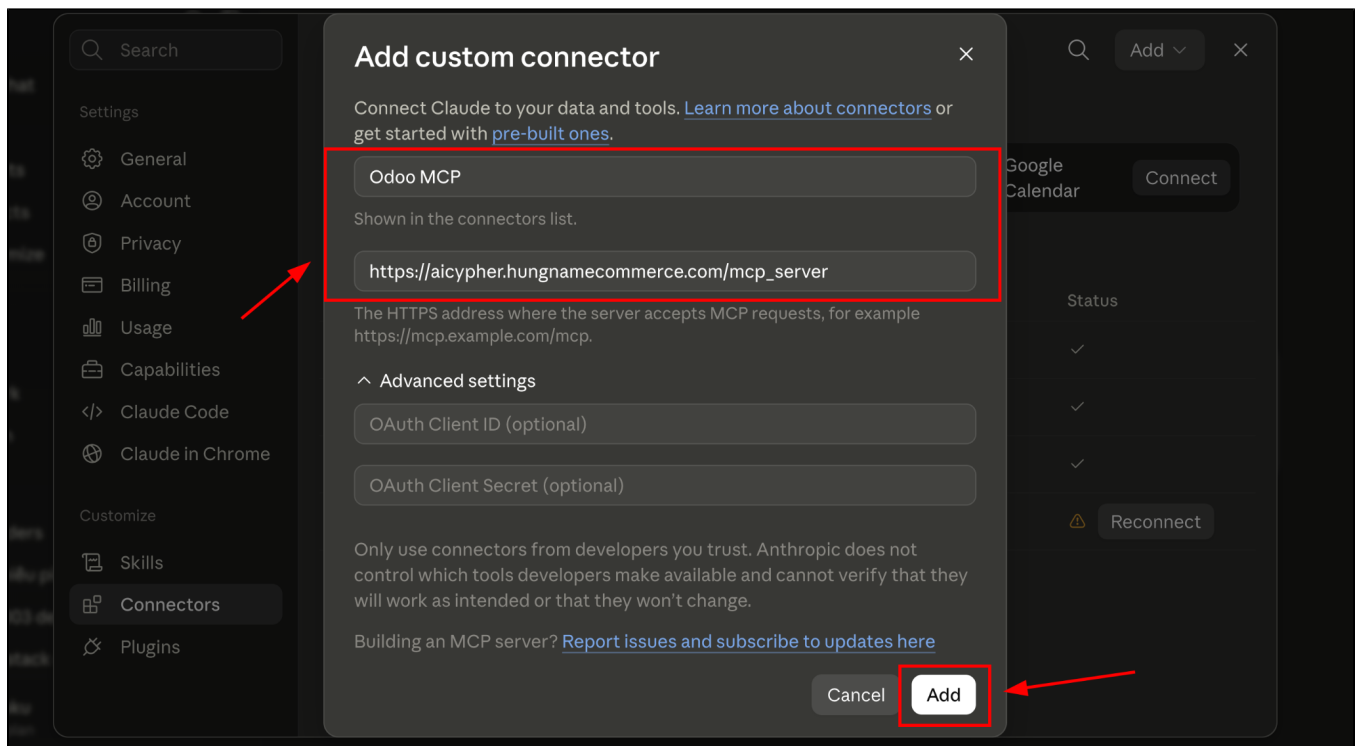
+ **Step 2:** Open **Connectors**, then select: **Add > Add custom connector**



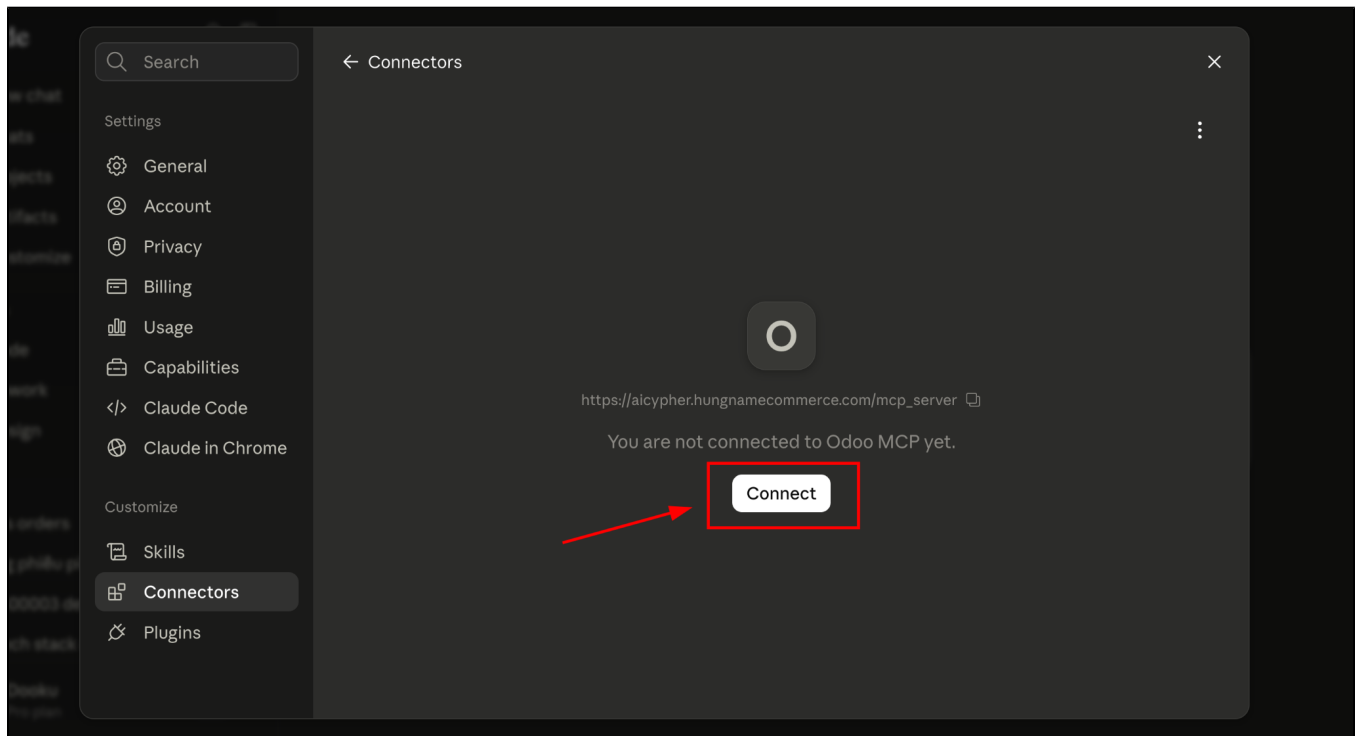
+ **Step 3:** Enter a name for the connector and provide the MCP Server URL:

https://aicypher.hunnamecommerce.com/mcp_server

Then click **Add**.



+ **Step 4:** The connector initially appears as not connected. Click **Connect**.



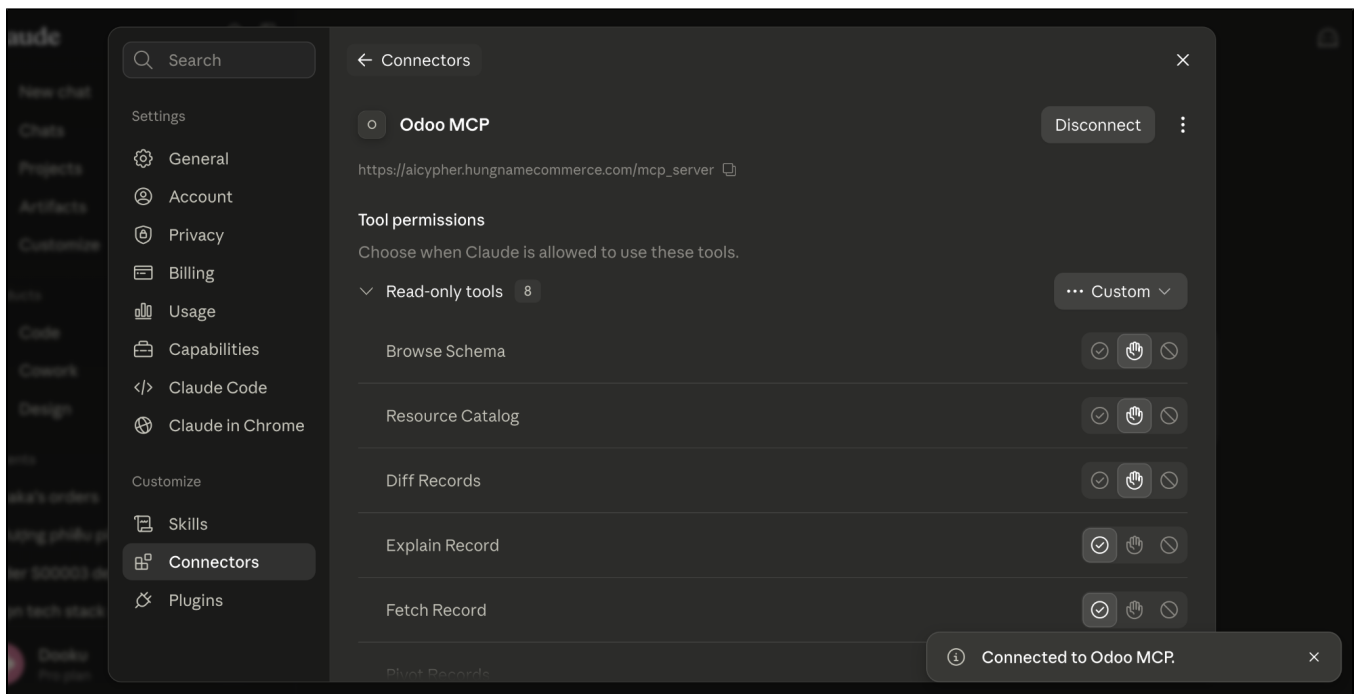
+ **Step 5:** Your browser redirects you to the Odoo login page. Enter your Odoo account credentials and sign in.

The screenshot shows the Odoo login interface. At the top is a placeholder for 'Your logo'. Below it, a red box labeled '1' highlights the 'Email' field with the placeholder text 'Enter your email' and a 'Choose a user' link. Below that, another red box labeled '2' highlights the 'Password' field with the placeholder text 'Enter your password' and a 'Reset Password' link. A 'Log in' button is also highlighted with a red box. Below the login fields, there are links for 'Don't have an account?' and 'Log in as superuser', followed by a separator '- or -' and a 'Use a Passkey' button. At the bottom, there are links for 'Manage Databases' and 'Powered by Odoo'.

+ **Step 6:** After signing in successfully, click **Allow**.

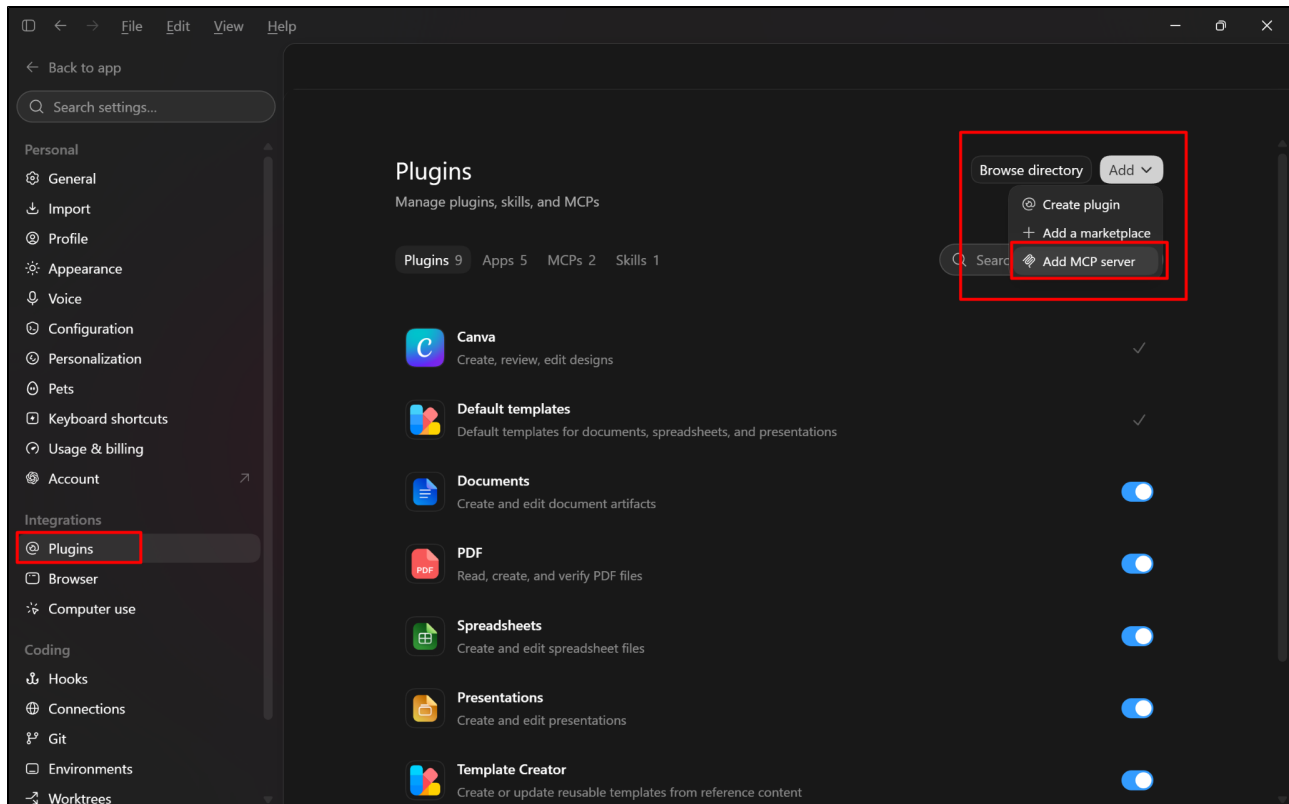
The screenshot shows the 'Authorize access' dialog in Odoo. It states 'Claude is requesting access to your Odoo account as PM Duc (admin)'. Below this, there is a section for 'Client' (Claude) and 'Redirects to' (https://claude.ai). The 'Access' section shows two permissions: 'Read data' (Read records on your behalf) and 'Create and modify data' (Create, update and delete records), both with toggle switches. At the bottom, there are 'Deny' and 'Allow' buttons. A red arrow points to the 'Allow' button. Below the buttons, it says 'Signed in as PM Duc (admin). Not you?'.

The browser then redirects you back to Claude, where the connector will appear as connected.



2. Connect Codex

+ Step 1: Open Codex settings, then go to: **Plugins > Add MCP Server**

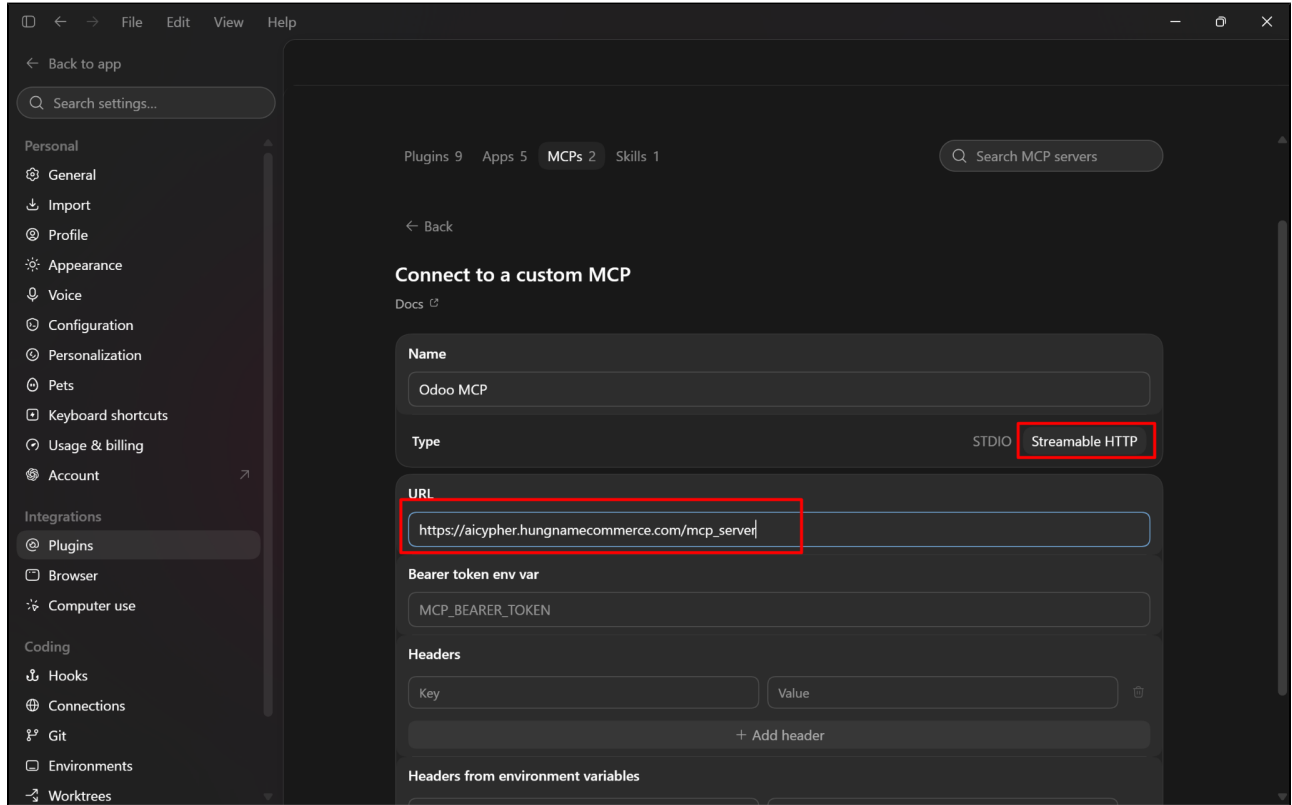


+ Step 2: Enter the MCP Server URL:

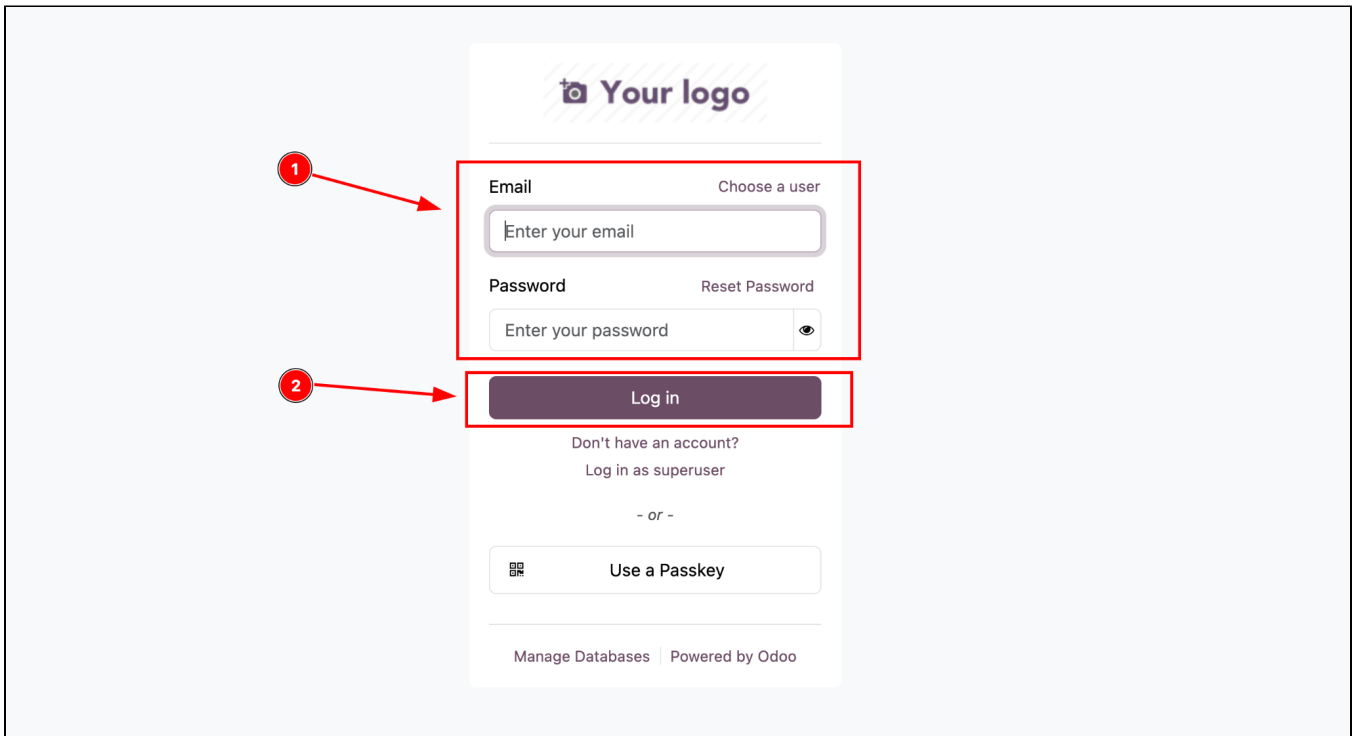
https://aicypher.hungnamecommerce.com/mcp_server

Set Type to: **StreamableHTTP**

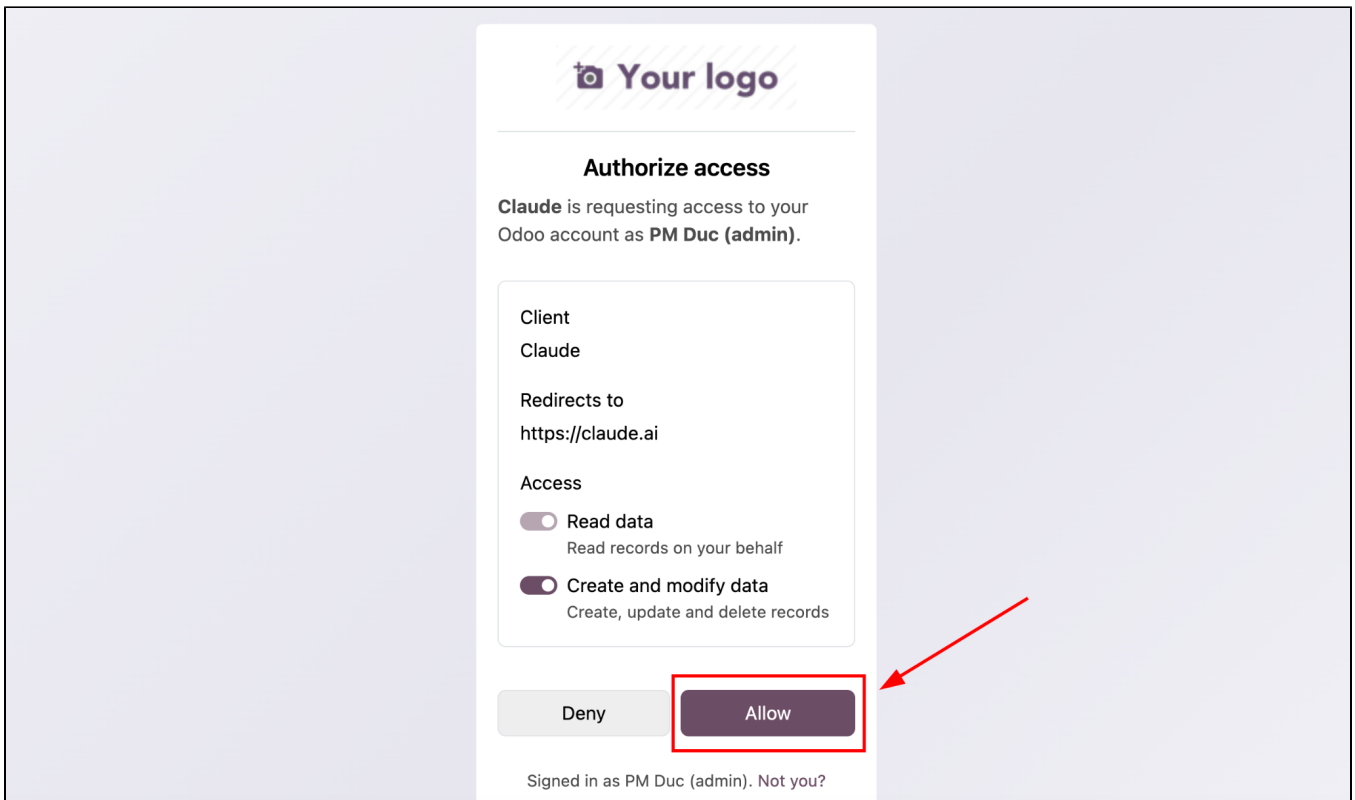
Then click **Connect**.



+ Step 3: Your browser redirects you to the Odoo login page. Enter your Odoo account credentials and sign in.



+ Step 4: After signing in successfully, click **Allow**.



II. Odoo Configuration

Model-Level Permissions

MCP access is controlled through two permission layers:

- **Model-level MCP permissions:** Configure Read, Write, Create, and Delete permissions for each Odoo model.
- **Standard Odoo permissions:** Odoo applies model access rights, record rules, and user groups to control what data each user can access.

An AI Agent must pass both permission layers before it can access or modify Odoo data.

For example, to create a Sales Order, the connected user must have:

- The required MCP permissions for the relevant model.

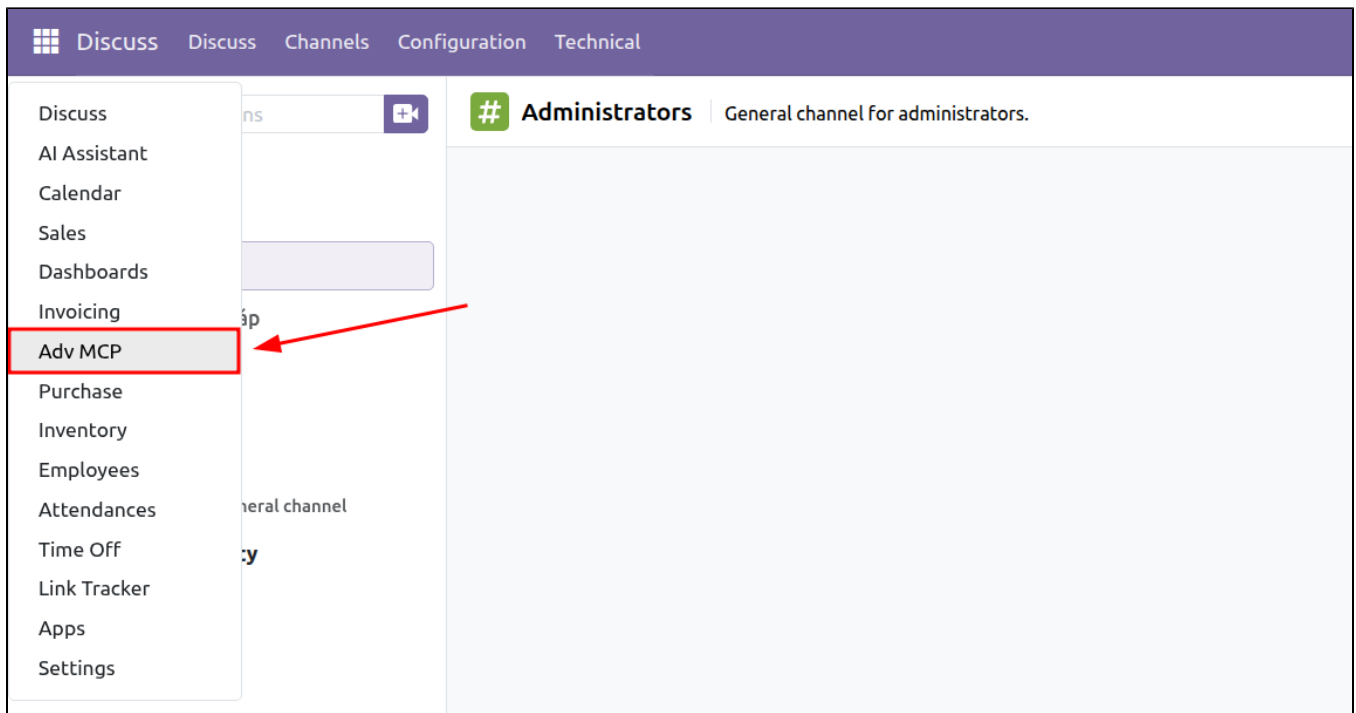
☐	Module	Technical Name	Last Modified	Modified By	Allow Read	Allow Create	Allow Update	Allow Delete	Allow Method Calls	
☐	Sales	sale_management	Aug 25, 3:13 PM	Administrator	☒	☐	☐	☐	☐	

- The required Odoo permissions to create Sales Orders.

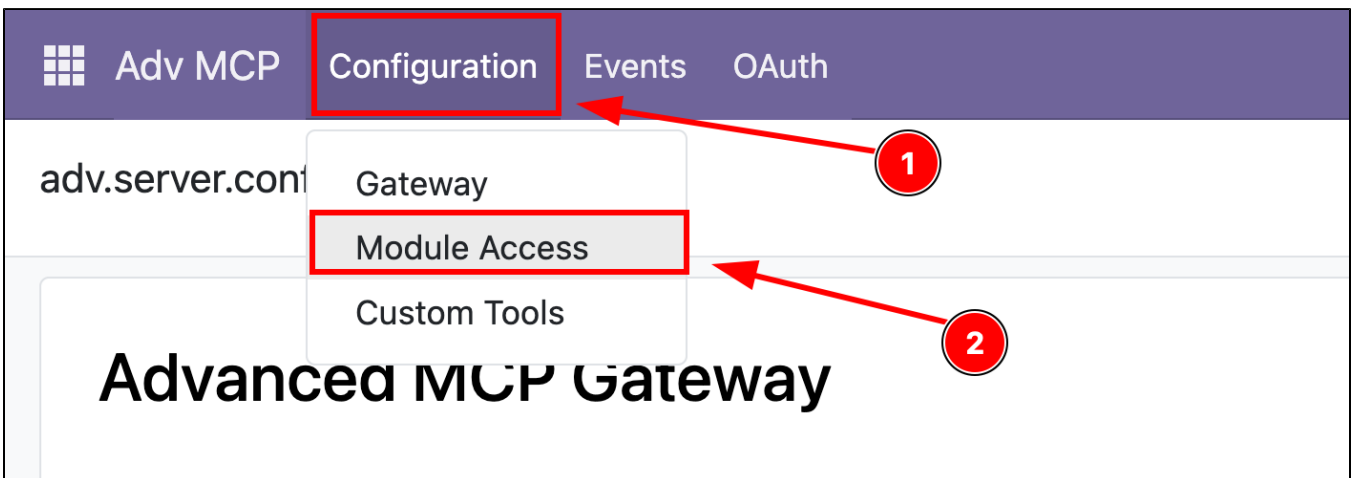


Configure Model Permissions

+ Step 1: Open Adv MCP



+ Step 2: Click Configuration > Module Access



+ Step 3: Click New

The screenshot shows the 'Adv MCP Configuration' page. The 'New' button is highlighted with a red box. An arrow points from the 'New' button to the 'Add Modules' button. The page also shows a table of modules with columns: Module, Technical Name, Last Modified, Modified By, Allow Read, and A.

Module	Technical Name	Last Modified	Modified By	Allow Read	A
Sales	sale_management	Aug 25, 3:13 PM	Administrator	☒	
Sales	sale	Aug 25, 3:18 PM	Administrator	☒	

+ Step 4: Select the model you want to configure, then assign the required permissions:

- Read
- Write
- Create
- Delete

The screenshot shows the 'Adv MCP Module Access' configuration page for the 'Purchase' module. The 'MODULE PERMISSIONS (CEILING FOR ALL MODELS)' section is highlighted with a red box. The page also shows the 'Module' dropdown set to 'Purchase', the 'Technical Name' as 'purchase', and the 'Active' checkbox checked. The permissions section includes 'Allow Read' (checked), 'Allow Create' (unchecked), 'Allow Update' (unchecked), 'Allow Delete' (unchecked), and 'Allow Method Calls' (unchecked). A 'Sync Models' button is visible on the right.

Module: Purchase

Technical Name: purchase

Active: ☒

MODULE PERMISSIONS (CEILING FOR ALL MODELS)

Allow Read: ☒ Allow Delete: ☐

Allow Create: ☐ Allow Method Calls: ☐

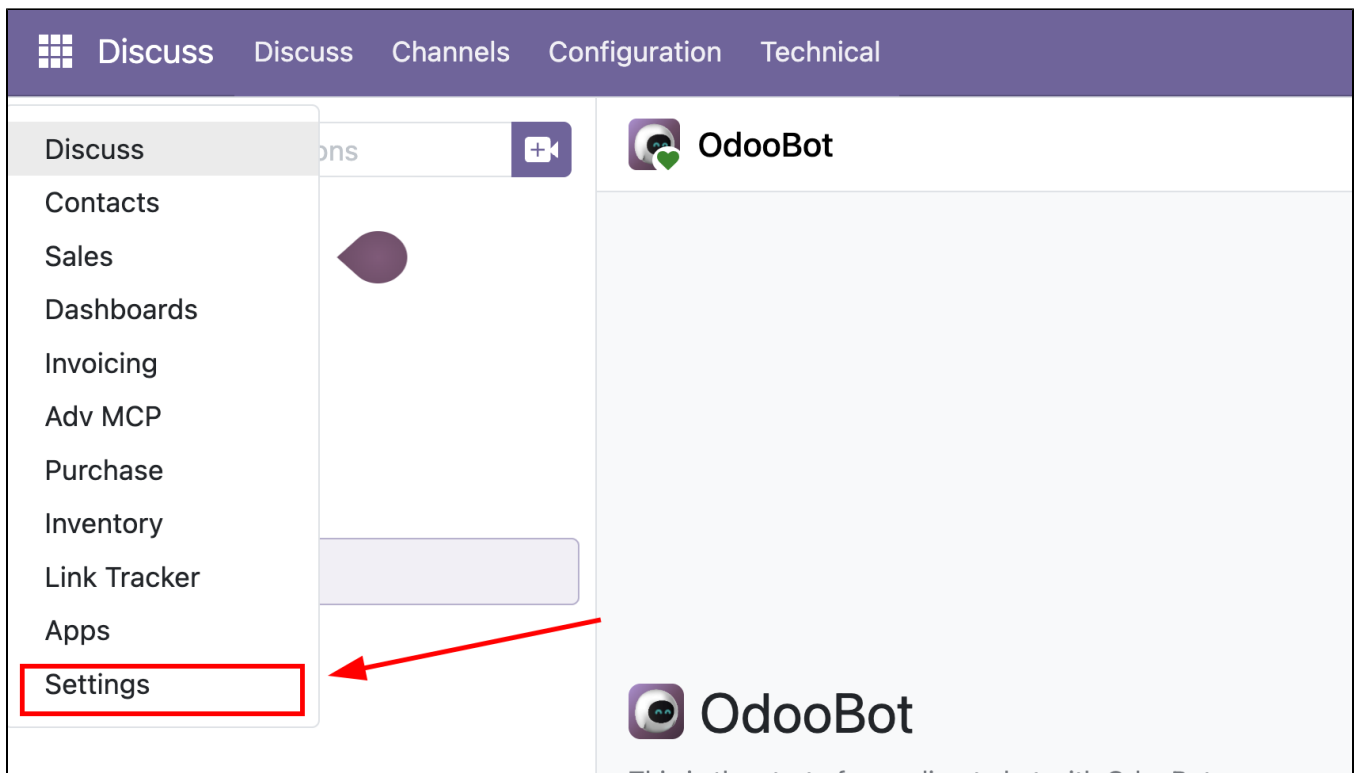
Allow Update: ☐

Per-Model Overrides

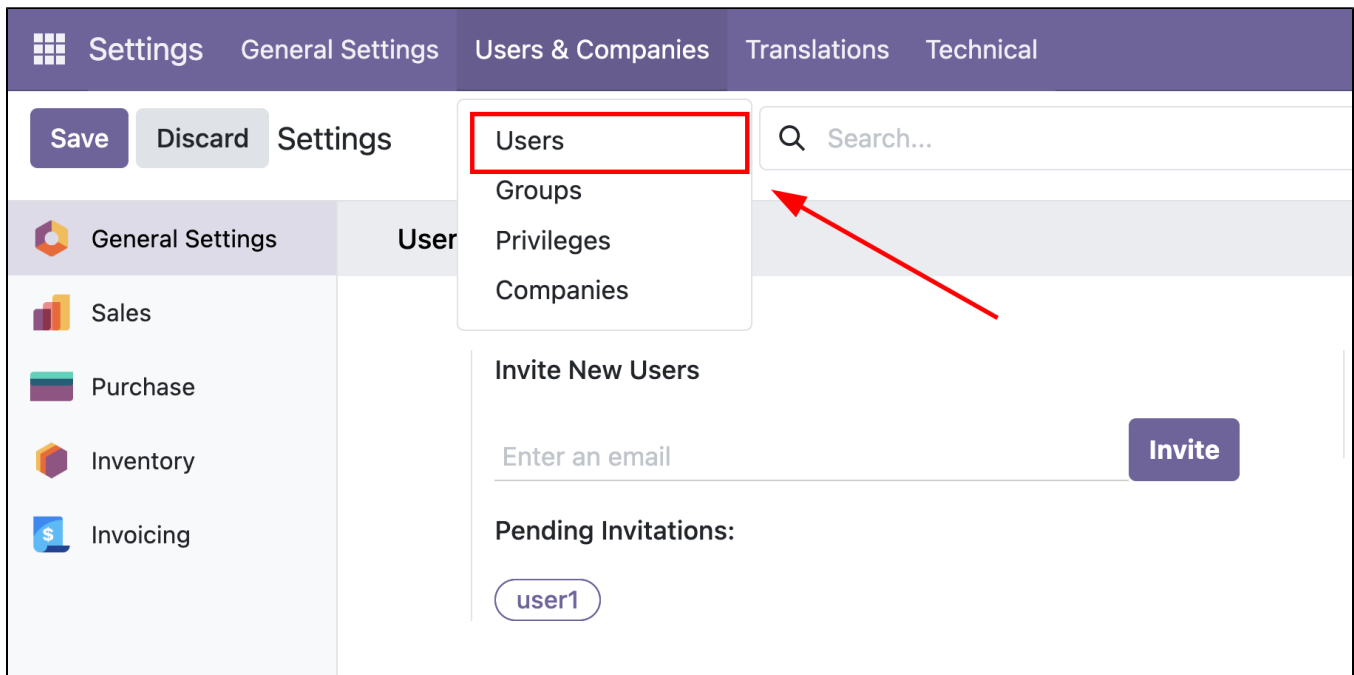
User-Level Permissions

Odoo also controls access for each user based on modules and business roles.

+ Step 1: Open Settings.



+ Step 2: Go to: Users & Companies > Users



+ Step 3: Select the user whose permissions you want to configure.

Settings General Settings Users & Companies Translations Technical 3 My Company A			
New Users Internal Users Search... 1-4 / 4 < >			
☐	Name	Login	Role
☐	A Admin Test	admin_test	User
☐	A Administrator	admin	Administrator
☐	C Chloe	chloe	Administrator
☐	U User1	user1	User

+ Step 4: Assign the required access rights using Odoo's standard permission settings.

Settings

General Settings

Users & Companies

Translations

Technical

3

My Company

A

New

Users

Admin Test

Groups13

Access Rights232

Record Rules55

1 / 4

<

>

Invited

Confirmed

Role

User

Administrator

MASTER DATA

SALES

Products ? Create

Sales ? Administrator

Contact No

Export No

ACCOUNTING

SUPPLY CHAIN

Accounting ? No

Purchase No

Bank No

Inventory No

PRODUCTIVITY

MARKETING

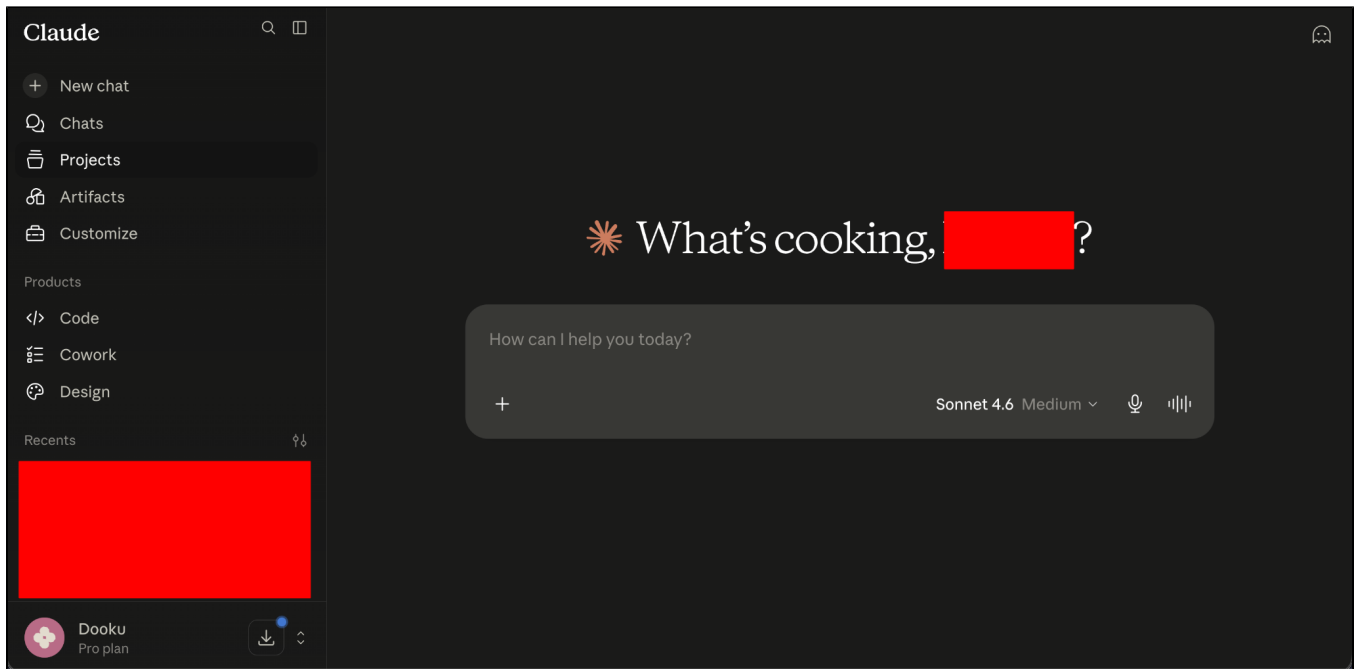
Dashboard No

Canned Responses Canned Response Administrator

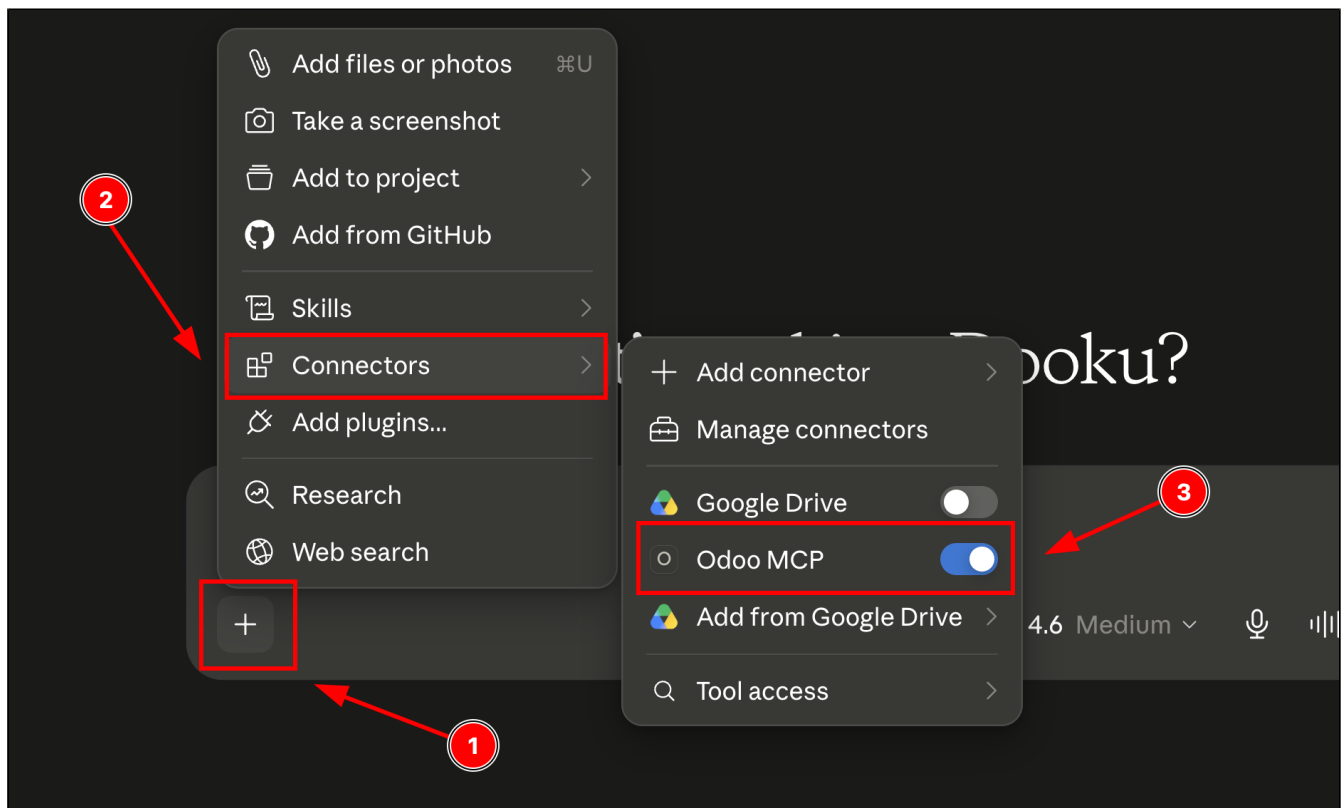
III. Chat with AI

Start a Chat in Claude

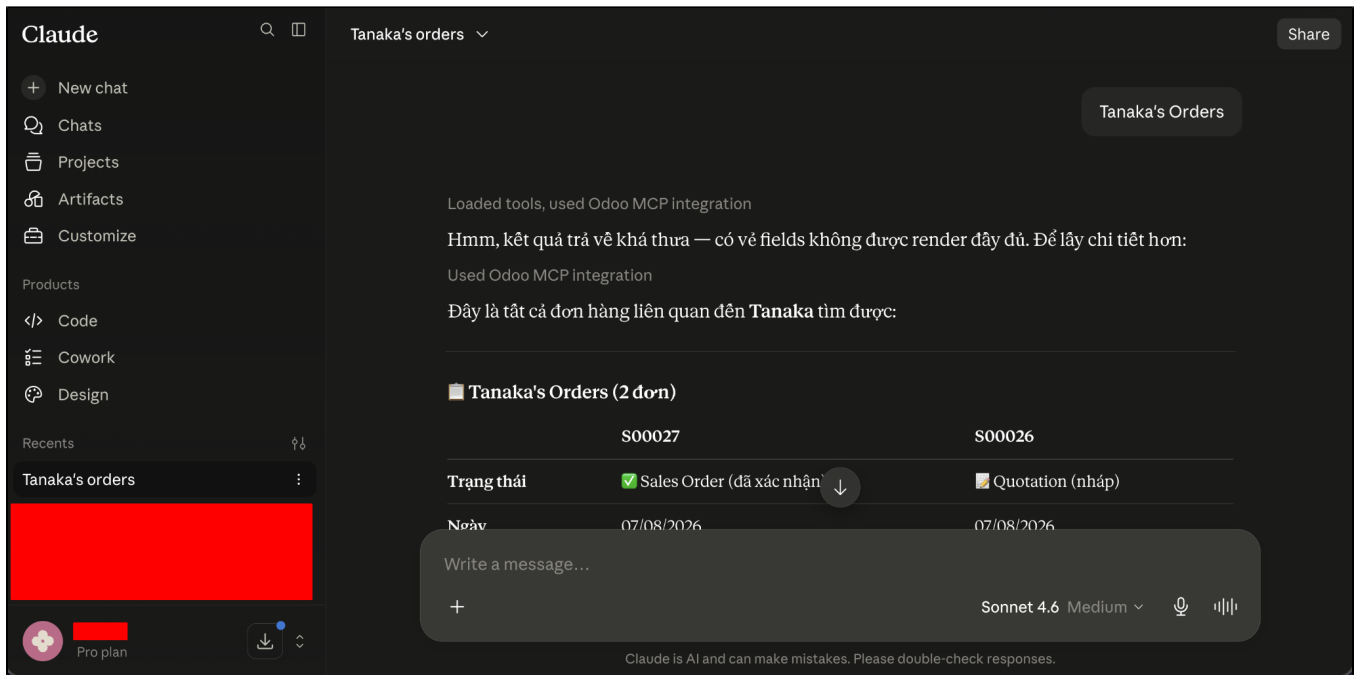
+ Step 1: Open Claude.



+ Step 2: Click the + icon shown in the chat interface and select **Odoo MCP**, or the connector name you created earlier.



+ Step 3: Start chatting.



The AI Agent can now use the enabled MCP connection to work with Odoo within the permissions granted to the connected user.

Important Notes

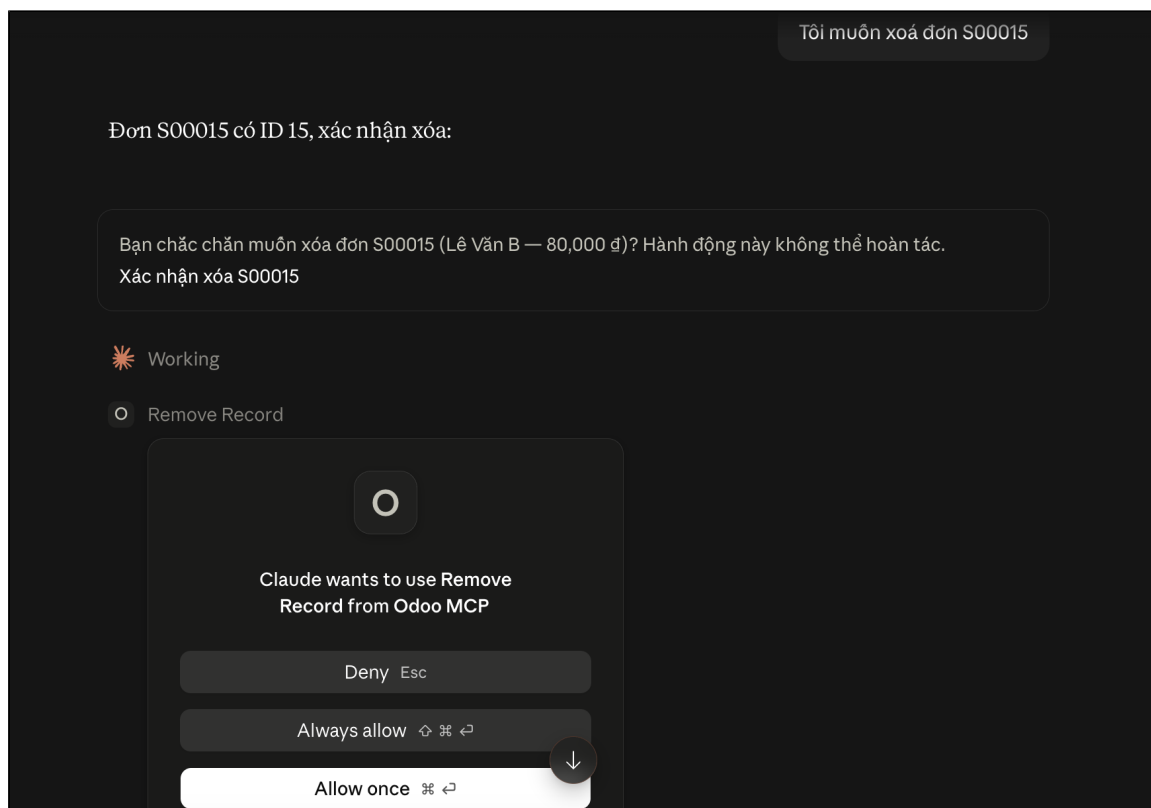
Some tools require user approval the first time an AI Agent attempts to use them.

For example, when a tool such as **Remove Record** is used for the first time, Claude may ask whether you want to:

- Allow the tool for this request only, or
- Always allow the tool without asking again.

Review this choice carefully, especially for tools that can delete or modify data.

Allowing a sensitive tool to run automatically may result in the AI Agent - or a user interacting with the Agent - performing actions beyond the intended business process.



In Claude, you can review which tools are:

- Always allowed
- Required to ask for approval before use

For tools that can delete or make significant changes to Odoo data, keeping user approval enabled is recommended.

