

# Bank Matching

A guide to AI bank matching: connecting the AI, asking for suggestions, reviewing and applying them, privacy and the access rights.

## 1. Start here

**In plain words:** A bank statement arrives with hundreds of lines such as *"POS 4421 CAFE NERO"* or *"TRF ACME LTD INV 118"*, and somebody has to decide who each one is and which account it belongs to. **AI Bank Matching** reads the **label and the amount** of every unreconciled transaction and suggests the **partner** and the **account**, with a **confidence** and a **reason**. It chooses **only among your own partners and accounts**: it never invents one. You review the suggestions and apply the good ones in one click.



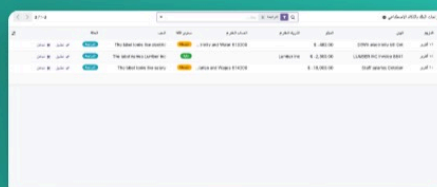
| Date       | Label                | Partner   | Account   | Confidence | Reason                        | Status  |
|------------|----------------------|-----------|-----------|------------|-------------------------------|---------|
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |

Suggestions with confidence



| Date       | Label                | Partner   | Account   | Confidence | Reason                        | Status  |
|------------|----------------------|-----------|-----------|------------|-------------------------------|---------|
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |

Apply the good ones



| Date       | Label                | Partner   | Account   | Confidence | Reason                        | Status  |
|------------|----------------------|-----------|-----------|------------|-------------------------------|---------|
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |
| 2024-10-10 | POS 4421 CAFE NERO   | CAFE NERO | CAFE NERO | 95%        | The label matches the partner | Applied |
| 2024-10-10 | TRF ACME LTD INV 118 | ACME LTD  | ACME LTD  | 90%        | The label matches the partner | Applied |

In an Arabic interface

The suggestions for the bank transactions, with confidence and reason.

**Tip:** Nothing changes until you apply a suggestion. Low-confidence ones are marked so that you look at them first.

## 2. What you get

| Feature               | What it does                                                                                                                                    |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Suggest               | For each unreconciled bank transaction: a partner and a counterpart account, from the label and the amount.                                     |
| Your own lists only   | The AI is given candidate partners (found from the words of the label) and your accounts, and answers with their numbers: it cannot invent one. |
| Your habits           | It sees the account you usually used for each candidate partner.                                                                                |
| Confidence and reason | A percentage and a short reason; high (80% and more), medium and low.                                                                           |
| Apply or dismiss      | One suggestion or many: applying fills the partner and moves the line from the suspense account to the account.                                 |
| Kept                  | You see what was applied, by whom and when; a dismissed one can be reviewed again.                                                              |
| Batches               | 30 transactions per run, sent 10 at a time.                                                                                                     |
| Filters               | By journal and period; filters for to review, applied and high confidence.                                                                      |
| Arabic                | Everything is translated and works right to left.                                                                                               |

### 3. Requirements

| Item           | Details                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Odoo           | 19.0 (Community or Enterprise)                                                                                                                        |
| Apps needed    | Invoicing / Accounting ( <code>account</code> )                                                                                                       |
| AI Connector   | <code>taqnix_ai_connector</code> , included in the package                                                                                            |
| An AI provider | An account and an API key with an OpenAI-compatible service or with Anthropic, or a model on your own server. You pay your provider for what you use. |
| License        | OPL-1 (Odoo Proprietary License v1.0)                                                                                                                 |

## 4. Install

- 1 Unzip the package. Inside are `taqnix_ai_connector.zip` and `taqnix_ai_bank_matching.zip` ; unzip them to get the two folders.
- 2 Copy the folders into one of the `addons_path` folders of your Odoo server and restart Odoo.
- 3 Log in as an administrator, activate **Developer mode**, open **Apps** and press **Update Apps List**.
- 4 Remove the “Apps” filter, search **AI Bank Matching** and press **Install**. The AI Connector is installed with it.

```
# or from the command line
./odoo-bin -c odoo.conf -d YOUR_DATABASE -i taqnix_ai_bank_matching --stop-after-init
```

## 5. Connect your AI provider

**In plain words:** Before the first use, an administrator connects Odoo to an AI model: **Settings** → **AI** → **Providers** → **New**. Choose the **type** (an OpenAI-compatible service or Anthropic), the **API**

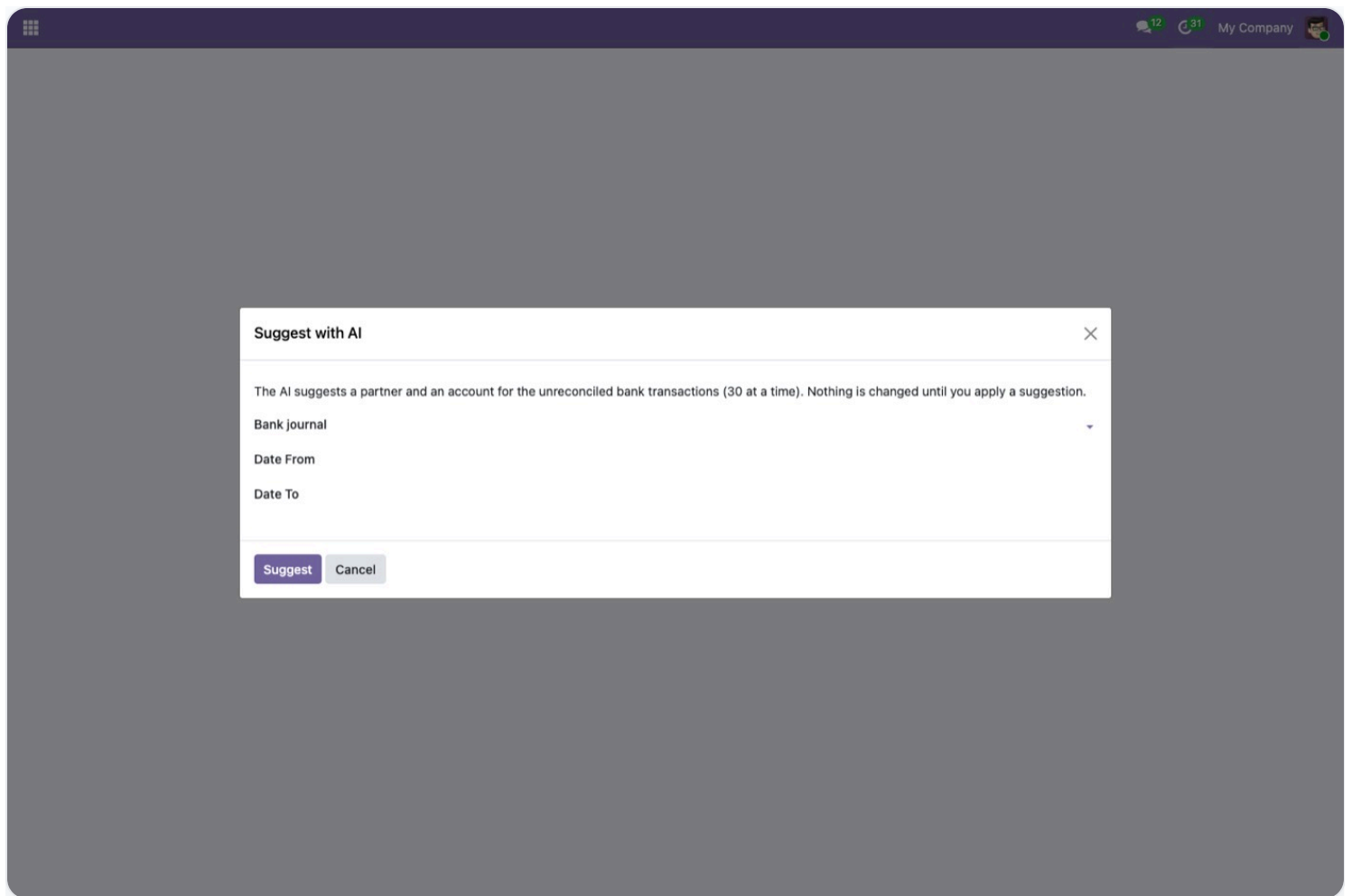
**address**, your **API key** and the **model** name as your provider writes it, then press **Test the connection**. A model on your own server works too: leave the key empty.

| Field       | Meaning                                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Type        | OpenAI-compatible (chat completions) or Anthropic (Messages API).                                                                       |
| API address | For OpenAI-compatible services the address up to /v1; for Anthropic <a href="https://api.anthropic.com">https://api.anthropic.com</a> . |
| API key     | Kept in the database; only administrators can read it.                                                                                  |
| Model       | The model name, for example the one your provider recommends for text.                                                                  |

**Tip:** Members of the group **Can use the AI features** see the AI buttons: all the internal users get it when the connector is installed, and an administrator can take it away.

## 6. Ask for suggestions

**In plain words:** Open **Accounting** → **Accounting** → **Transactions** → **AI bank matching**. Choose the **bank journal** and, if you want, the **period**, then press **Suggest**. The unreconciled transactions of that journal and period are read, 30 at a time.



The wizard: journal and period.

## 7. Review and apply

**In plain words:** **AI suggestions** (same menu) lists the transactions with the suggested partner and account, the confidence and the reason. Filter **High confidence** to start with the sure ones, tick the lines, and press **Apply** (or **Dismiss**). Applying sets the partner and moves the transaction from the suspense account to the account suggested; the transaction is then ready for you to reconcile or post.

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My Company

Suggestions

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| <input type="checkbox"/> | Date   | Label                             | Amount        | Suggested partner  | Suggested account           | Confidenc... | Reason                                | State                |                                         |
|--------------------------|--------|-----------------------------------|---------------|--------------------|-----------------------------|--------------|---------------------------------------|----------------------|-----------------------------------------|
| <input type="checkbox"/> | Oct 2  | SKYLINE PROPERTIES RENT OCT...    | \$ -3,500.00  | Skyline Properties | 612000 Rent                 | High         | The label names Skyline Propertie...  | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |
| <input type="checkbox"/> | Oct 5  | Transfer from AZURE INTERIOR I... | \$ 4,250.00   | Azure Interior     | 101300 Account Receiva...   | High         | The label names Azure Interior; in... | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |
| <input type="checkbox"/> | Oct 6  | Monthly bank charge October       | \$ -25.00     |                    | 620000 Bank Fees            | Medium       | The label looks like fee              | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |
| <input type="checkbox"/> | Oct 8  | GEMINI FURNITURE payment PO ...   | \$ -1,860.00  | Gemini Furniture   |                             | High         | The label names Gemini Furniture      | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |
| <input type="checkbox"/> | Oct 12 | DEWA electricity bill Oct         | \$ -480.00    |                    | 613000 Electricity and W... | Medium       | The label looks like electric         | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |
| <input type="checkbox"/> | Oct 15 | LUMBER INC invoice 8841           | \$ -2,300.00  | Lumber Inc         |                             | High         | The label names Lumber Inc            | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |
| <input type="checkbox"/> | Oct 20 | Staff salaries October            | \$ -18,000.00 |                    | 614000 Salaries and Wag...  | Medium       | The label looks like salary           | <div>To review</div> | <div>✓ Apply</div> <div>✕ Dismiss</div> |

The suggestions with their confidence.

| AI bank suggestions                                                                                                                                                    |        |                                   |               |                    |                             |                 |                               |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------|---------------|--------------------|-----------------------------|-----------------|-------------------------------|-----------------------------|
| <div> <div> <div></div> <div>12</div> <div>31</div> <div>My Company</div> <div></div> </div> <div> <div>Q Search...</div> <div></div> </div> <div>1-7 / 7</div> </div> |        |                                   |               |                    |                             |                 |                               |                             |
| <input type="checkbox"/>                                                                                                                                               | Date   | Label                             | Amount        | Suggested partner  | Suggested account           | Confidence L... | Reason                        | State                       |
| <input type="checkbox"/>                                                                                                                                               | Oct 2  | SKYLINE PROPERTIES RENT OCT...    | \$ -3,500.00  | Skyline Properties | 612000 Rent                 | High            | The label names Skyline P...  | Applied                     |
| <input type="checkbox"/>                                                                                                                                               | Oct 5  | Transfer from AZURE INTERIOR I... | \$ 4,250.00   | Azure Interior     | 101300 Account Receiva...   | High            | The label names Azure Int...  | Applied                     |
| <input type="checkbox"/>                                                                                                                                               | Oct 6  | Monthly bank charge October       | \$ -25.00     |                    | 620000 Bank Fees            | Medium          | The label looks like fee      | Applied                     |
| <input type="checkbox"/>                                                                                                                                               | Oct 8  | GEMINI FURNITURE payment PO ...   | \$ -1,860.00  | Gemini Furniture   |                             | High            | The label names Gemini F...   | Applied                     |
| <input type="checkbox"/>                                                                                                                                               | Oct 12 | DEWA electricity bill Oct         | \$ -480.00    |                    | 613000 Electricity and W... | Medium          | The label looks like electric | To review ✓ Apply ✕ Dismiss |
| <input type="checkbox"/>                                                                                                                                               | Oct 15 | LUMBER INC invoice 8841           | \$ -2,300.00  | Lumber Inc         |                             | High            | The label names Lumber I...   | To review ✓ Apply ✕ Dismiss |
| <input type="checkbox"/>                                                                                                                                               | Oct 20 | Staff salaries October            | \$ -18,000.00 |                    | 614000 Salaries and Wag...  | Medium          | The label looks like salary   | To review ✓ Apply ✕ Dismiss |

Applied suggestions are kept, with who and when.

**Important:** A transaction that already has a partner keeps it, and a transaction that is already partly matched is not changed: you are told, and you change it by hand.

## 8. Privacy

**In plain words:** Using an AI model means sending text to your provider. Matching sends the label and the amount of the transactions, and the names of the candidate partners and accounts. Before any text leaves Odoo, **emails, phone numbers, IBANs and long numbers are masked** (a company option, on by default). The usage log keeps the figures only (who, which feature, how many tokens, the estimated cost); it keeps the content of the requests only if you switch that on. A **monthly token budget** stops the features when it is used up.

**Important:** AI can be wrong. Treat what it writes as a draft: read it before you send it, save it or act on it.

## 9. Who can do what

| Who                                              | Can                                          |
|--------------------------------------------------|----------------------------------------------|
| Accountants (Billing) in Can use the AI features | Ask for suggestions, apply and dismiss them. |
| AI administrators                                | Connect the AI and see the usage.            |
| Other users                                      | Do not see the menus.                        |

## 10. Arabic and right to left

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اقتراحات البنك بالذكاء الاصطناعي

| التاريخ   | البيان                    | المبلغ        | الشريك المقترح | الحساب المقترح              | مستوى الثقة | السبب                         | الحالة |                                   |
|-----------|---------------------------|---------------|----------------|-----------------------------|-------------|-------------------------------|--------|-----------------------------------|
| ١٢ أكتوبر | DEWA electricity bill Oct | \$ -480.00    |                | ...tricity and Water 613000 | متوسطة      | The label looks like electric | للرجعة | <div>تطبيق</div> <div>تجاهل</div> |
| ١٥ أكتوبر | LUMBER INC invoice 8841   | \$ -2,300.00  | Lumber Inc     |                             | عالية       | The label names Lumber Inc    | للرجعة | <div>تطبيق</div> <div>تجاهل</div> |
| ٢٠ أكتوبر | Staff salaries October    | \$ -18,000.00 |                | ...laries and Wages 614000  | متوسطة      | The label looks like salary   | للرجعة | <div>تطبيق</div> <div>تجاهل</div> |

The suggestions in an Arabic interface.

## 11. Limits

| Limit                          | Detail                                                                                        |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| A suggestion is a suggestion   | Check the partner and the account, mostly for low-confidence ones.                            |
| Candidates come from the label | A partner whose name shares no word with the label is not a candidate: the AI cannot pick it. |
| 30 per run                     | Run it again for the next transactions.                                                       |
| Reconciliation                 | The module does not reconcile: it prepares the partner and the account.                       |

## 12. For developers

**In plain words:** Skip this chapter if you only use the module.

```
wiz = env['taqnix.ai.bank.suggest'].create({'journal_id': bank_journal.id})
wiz.action_suggest()          # creates one suggestion per unreconciled transaction (30 at a
suggestions = env['taqnix.ai.bank.suggestion'].search([('state', '=', 'pending'), ('confi
suggestions.action_apply()    # sets the partner and the account on the transactions
```

## 13. Troubleshooting

| Problem                                   | What to do                                                             |
|-------------------------------------------|------------------------------------------------------------------------|
| No unreconciled transaction               | Everything of that journal and period is already reconciled.           |
| No suggestion for a line                  | The AI found no fitting candidate: choose the partner by hand.         |
| The transaction is already partly matched | Change its account by hand.                                            |
| No AI bank matching menu                  | You are not in the group Can use the AI features or not an accountant. |

## 14. Updating and removing

Replace the folder with the new version, restart Odoo and run `-u taqnix_ai_bank_matching` . The suggestions are kept.

## 15. Support

Installation help and bug fixes are included for 6 months, with lifetime updates. Contact us through the marketplace page where you bought the module or write to **support@taqnix.com** with your Odoo version and a screenshot.

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## Changelog

### 1.0.0 – Initial release

- Suggest the partner and the counterpart account of unreconciled bank transactions from their label and amount
- Chooses only among your partners and accounts; sees the usual account of each partner
- Confidence (high, medium, low) and reason; apply or dismiss one or many
- Applying sets the partner and moves the line off the suspense account; suggestions are kept
- Includes the AI Connector, Arabic translation, automated tests