

Chapter 1: Installing the Odoo Development Environment



Your logo

Email

Password

Log in

[Manage Databases](#) | [Powered by Odoo](#)



odoo-test

Backup

Duplicate

Delete

Create Database

Restore Database

Set Master Password



Warning, your Odoo database manager is not protected.

Please [set a master password](#) to secure it.

odoo-test

Backup

Duplicate

Delete

Create Database

Restore Database

Set Master Password

Set Master Password

x

The master password is required to create, delete, dump or restore databases.

New Master Password

Continue

Create Database



Master Password

Database Name

Email

Password

Phone number

Language

English (US)



Country

Demo data

To enhance your experience, some data may be sent to Odoo online services.

See our [Privacy Policy](#).

Continue

Duplicate Database

x

Database Name

odoo-test

New Name

Continue

Delete Database

x

Master Password

Database

test-12.0

Delete

Backup Database

Master Password

Database Name
test-12.0

Backup Format
zip (includes filestore)

Backup

Restore Database

Master Password

File No file selected.

Database Name

This database might have been moved or copied.
In order to avoid conflicts between databases, Odoo needs to know if this database was moved or copied.
If you don't know, answer "This database is a copy".

This database is a copy
 This database was moved

Continue

Developer Tools

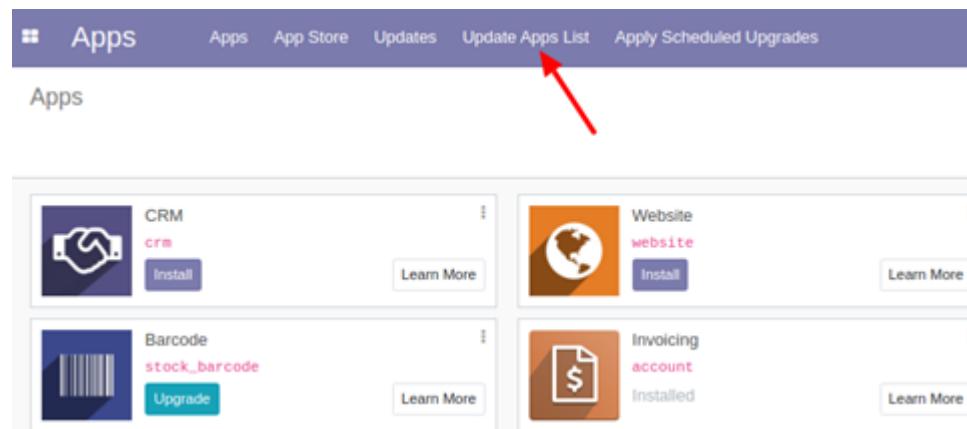
- [Activate the developer mode](#)
- [Activate the developer mode \(with assets\)](#)
- [Activate the developer mode \(with tests assets\)](#)



Odoo Debug

Offered by: Droggol

70 | [Developer Tools](#) | 11,339 users



Module Update

Module Update Result

Click on Update below to start the process...

Update **Cancel**

Chapter 2: Managing Odoo Server Instances

The screenshot shows the Odoo Apps store interface. At the top, there's a search bar and navigation buttons for filters, group by, and favorites. Below the header, a grid of 20 Odoo modules is displayed. Each module card includes an icon, the module name, a brief description, an 'Install' button, and a 'Learn More' link.

Module	Description	Action
CRM	Track leads and close opportunities	Install
Website	Enterprise website builder	Install
Project	Organize and schedule your projects	Install
Timesheets	Track time & costs	Upgrade
Inventory	Manage your stock and logistics activities	Install
Barcode	Barcode scanner for warehouses	Upgrade
Invoicing	Invoices & Payments	Install
Accounting	Accounting, Taxes, Budgets, Assets...	Upgrade
Manufacturing	Manufacturing Orders & BOMs	Install
MRP II	Work Orders, Planning, Routing	Upgrade
Product Lifecycle Management (PLM, ECOS, Versions)	Product Lifecycle Management (PLM, ECOS, Versions)	Upgrade
Quality	Quality Alerts, Control Points	Upgrade
Sales	From quotations to invoices	Install
Studio	Create and Customize Applications	Upgrade
Point of Sale	Tablet POS: shops and restaurants	Install
Notes	Organize your work with memos	Install
eCommerce	Sell your products online	Install
Purchase	Purchase orders, tenders and agreements	Install
Helpdesk	Track support tickets	Upgrade
Employees	Centralize employee information	Install
Attendances	Track employee attendance	Install
Recruitment	Track your recruitment pipeline	Install
Expenses	Submit, validate and reinvoice employee expenses	Install
Dashboards	Build your own dashboards	Install
Contacts	Centralize your address book	Install
Appraisal	Assess your employees	Install
Leaves	Allocate leaves and follow leave	Install
Discuss	Chat, mail gateway and private	Module Info

Odoo Server Error - Warning

Unable to install module "auth_ldap" because an external dependency is not met: No module named ldap

OK

The screenshot shows the Odoo Apps store interface with the 'Installed' filter selected. It displays a grid of four Odoo modules: Sales, Invoicing, CRM, and Website, all of which are marked as 'Installed'. On the left, there's a sidebar with a 'CATEGORIES' section showing a list of modules grouped by category.

Category	Count
All	4
Sales	1
Services	1
Accounting	12
Inventory	3
Manufacturing	2
Website	7
Marketing	4
Human Resources	9
Productivity	4
Administration	1

Apps

From quotations to invoices, manage your sales process.

Sales

From quotations to invoices, manage your sales process.

Subscriptions

MRR, Churn, Recurring Revenue Management.

CRM

Track leads and close opportunities.

Point of Sale

User-friendly PoS interface for shops and restaurants.

eCommerce

Sell your products online.

Marketing

Marketing Automation.

Human Resources

Employee management.

Productivity

Productivity tools.

Administration

Administration tools.

 CRM crm Track leads and close opportunities	Install	Learn More
 Website website Enterprise website builder	Install	Learn More
 Inventory stock Manage your stock and logistics activities	Install	Learn More
 Barcode stock_barcode Barcode scanner for warehouses	Upgrade	Learn More

Chapter 3: Creating Odoo Add-On Modules

The screenshot shows the Odoo Apps store interface. At the top, there's a navigation bar with 'Apps' and a search bar. Below the navigation bar, the main content area is divided into four categories: Accounting, Discuss, After-Sales, and Manufacturing. Each category contains several Odoo add-on modules listed in a grid format. A red arrow points from the text 'Main App' to the Accounting section. Another red arrow points from the text 'Extension Apps' to the Discuss, After-Sales, and Manufacturing sections.

Main App

Extension Apps

Category	Module Name	Description	Status	Action
Accounting	Accounting	Manage financial and analytic accounting	Installed	LEARN MORE
	Sale & Purchase Vouchers	Manage your debts and credits thanks to simple sale/purchase receipts	Installed	MODULE INFO
	Account Analytic Defaults		Installed	MODULE INFO
	Account Bank Statement Imp...		Installed	MODULE INFO
	Import CAMT Bank Statement		Installed	MODULE INFO
	Import CSV Bank Statement		Installed	MODULE INFO
	Batch Payment		Installed	LEARN MORE
Discuss	Discuss	Chat, mail gateway and private channels	Installed	LEARN MORE
	OdooBot for livechat	Add livechat support for OdooBot	Installed	MODULE INFO
	OdooBot	Add OdooBot in discussions	Installed	LEARN MORE
	Mail Enterprise		Installed	MODULE INFO
	Github Integration with Discu...		Installed	MODULE INFO
After-Sales	Helpdesk	Track help tickets	Installed	LEARN MORE
	Helpdesk: Knowledge Base	Knowledge base for helpdesk based on Odoo Forum	Installed	MODULE INFO
	Website IM Livechat Helpdesk	Ticketing, Support, Livechat	Installed	MODULE INFO
	Website Slides Helpdesk	Ticketing, Support, Slides	Installed	MODULE INFO
	Helpdesk Timesheet	Project, Tasks, Timesheet	Installed	MODULE INFO
	Manufacturing	Manufacturing	Manufacturing Orders & BOMs	Installed
Master Production Schedule		Master Production Schedule	Installed	MODULE INFO
MRP features for Quality Con...		Quality Management with MRP	Installed	MODULE INFO
Full Traceability Report Demo...		Full Traceability Report Demo Data	Installed	MODULE INFO
Quality Base		Basic Feature for Quality	Installed	MODULE INFO
MRP features for Quality Con...		Quality Management with MRP	Installed	MODULE INFO
MRP Byproducts			Installed	MODULE INFO

Module Update

Module Update Result

Click on Update below to start the process...

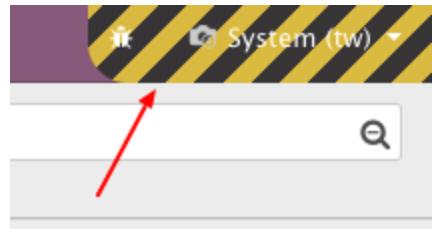
 Update  Cancel



- [Run JS Tests](#)
- [Run JS Mobile Tests](#)
- [Run Click Everywhere Test](#)
- [Open View](#)
- [Start Tour](#)

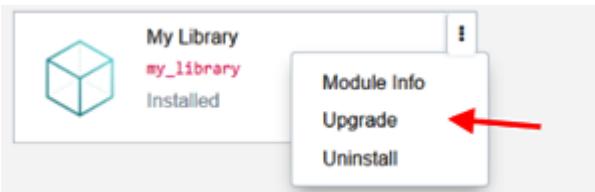
-
- [Edit Action](#)
 - [View Fields](#)
 - [Manage Filters](#)
 - [Technical Translation](#)

-
- [Activate Assets Debugging](#)
 - [Regenerate Assets Bundles](#)
 - [Become Superuser](#) 
 - [Leave the Developer Tools](#)



A screenshot of a library application window titled 'My Library'. The window has a purple header bar with a 'Books' tab and a 'System' tray icon. A red arrow points to a dropdown menu button on the left, which is open to show options: 'My Library', 'Apps', and 'Settings'. Another red arrow points to the search bar at the top right, which contains the text 'Search...'. Below the search bar are buttons for 'Filters', 'Group By', and 'Favorites'.

Chapter 4: Application Models

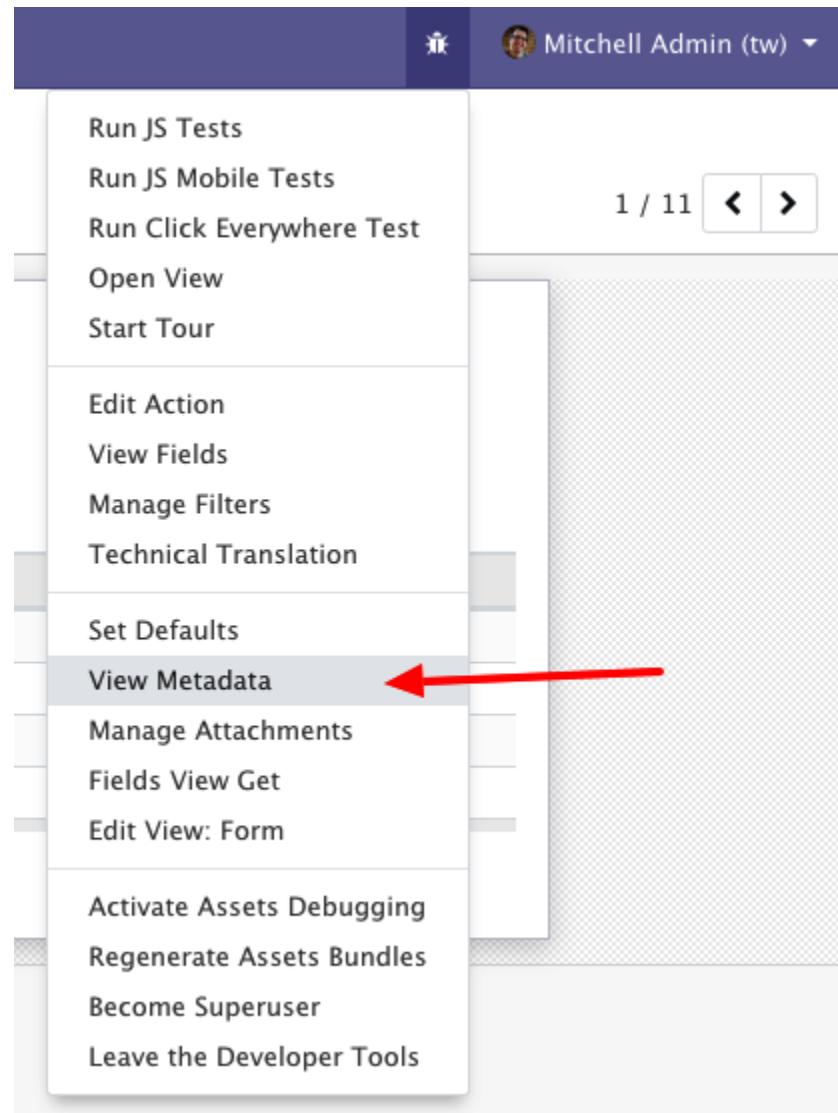


The screenshot shows the Odoo application models interface. At the top, there's a navigation bar with links: Settings, Dashboard, Users & Companies, Translations, Technical, and a user profile for Mitchell Admin (tw). Below the navigation bar, a modal window titled "Decimal Accuracy / New" is open. The modal has tabs for "Usage" and "Book Price". Under "Usage", there are fields for "Digits" (set to 2) and "Retail Price" (\$0.00). Under "Book Price", there is a "Currency" dropdown set to "USD" with a refresh icon. A context menu is displayed over the "Book Price" tab, listing "Module Info", "Upgrade", and "Uninstall", with a red arrow pointing to the "Upgrade" option.

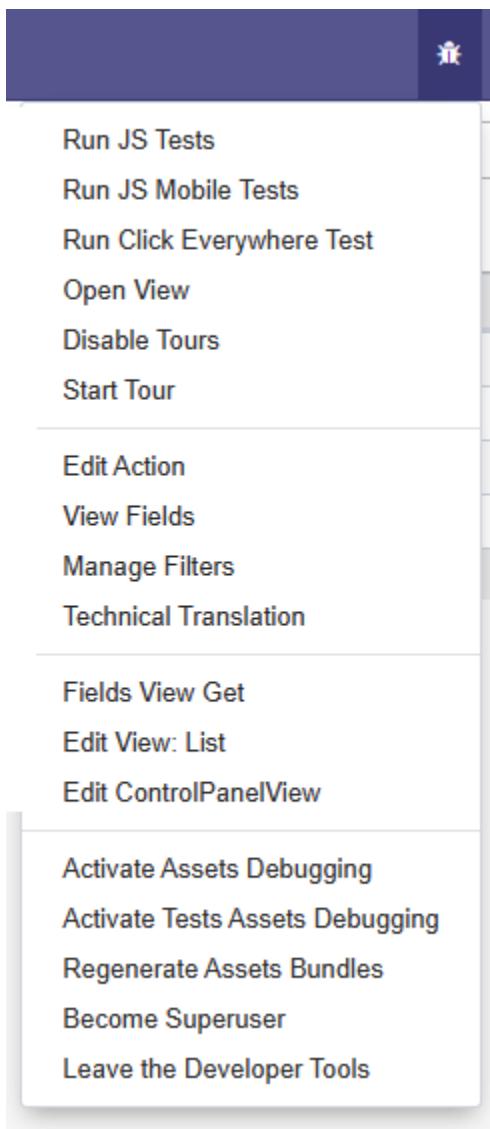
Chapter 5: Basic Server-Side Development

No images...

Chapter 6: Managing Module Data



Chapter 7: Debugging Modules



Web Tests

Hide passed tests Check for Globals No try-catch Fail Fast Filter: Go Module: All modules ▾

QUnit 2.3.0; Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.77 Safari/537.36

Running: fields > basic_fields > copy_clipboard: Char & Text Fields: Copy to clipboard button Abort

119. core > Time utils: Parse server datetime (1, 3, 4) Rerun 6 ms

2. failed

Expected: [2009, 4, 4, 17.5, 34, 23]

Result: [2009, 4, 4, 18, 4, 23]

Diff: [2009, 4, 4, 17.58, 34, 23]

Source: at Object.<anonymous> (http://390795-12-0-88a9eb.runbot15.odoo.com/web/static/tests/core/time_tests.js:18:16)

Source: at Object. (http://390795-12-0-88a9eb.runbot15.odoo.com/web/static/tests/core/time_tests.js:10:11)

212. skipped fields > basic_fields > FieldChar: input field: change password value (0) Rerun

213. skipped fields > basic_fields > FieldChar: input field: empty password (0) Rerun

Tours

X

Name	Path	
website_crm_tour	/contactus	
website_hr_recruitment_tour	/jobs/apply/3	
shop	/shop	
mail_tour		
widget_x2many	/web?debug=assets#action=test_new_api.action_discussions	
stock	/web?debug=assets#action=stock.action_stock_config_settings	
rte_translator		
bank_statement_reconciliation		
account_tour		
crm_tour	/web	

Ok



Chapter 8: Advanced Server-Side Development Techniques

No images...

Chapter 9: Backend Views

My App menu All customers Mitchell Admin (book) ▾

All customers / Azure Interior

Save **Discard**

1 / 2



Open commercial partner

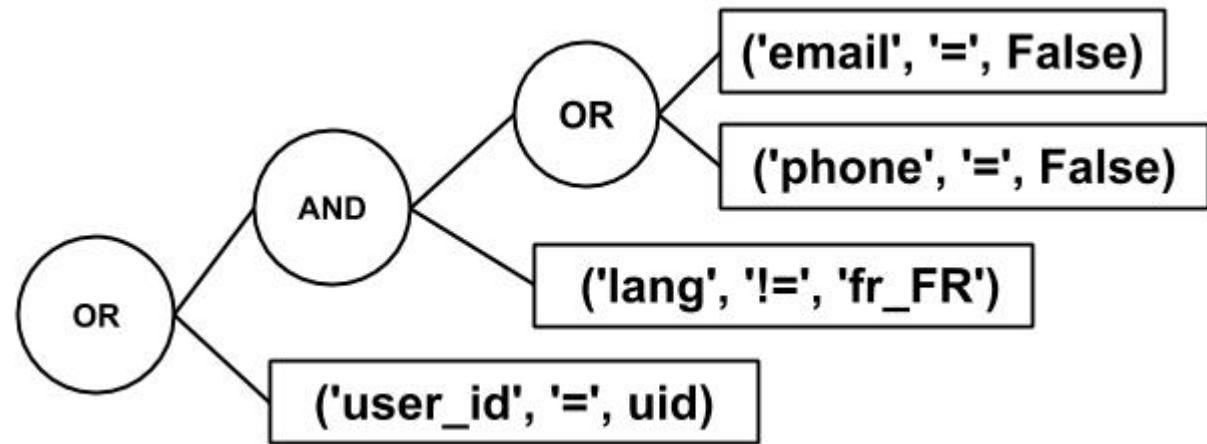
Content

Name

Azure Interior

Tags

Services **x**



Purchase Purchase Control Reporting Configuration YourCompany Mitchell Admin ▾

Vendor Bills / Vendor Bill

CREATE

Print Action ▾

4 / 5

VALIDATE **CANCEL** **SEND FILE THROUGH OCR**

DRAFT OPEN PAID

Vendor Bill.pdf **Download**

Draft Bill

Vendor	Azure Interior	Bill Date	11/01/2018
Vendor Reference		Due Date	
Auto-Complete		Bank Account	

Product	Description	Asset Category	Account	Analytic Account	Intrastat	Quantity	Unit Price	Discount (%)	Taxes	Amount
[FURN_7777]	[FURN_7777] Office Chair	200000 Product Sales				1.000	10.00	0.00		\$ 10.00
[FURN_9999]	[FURN_9999] Office Design Software	200000 Product Sales				5.000	4.00	0.00		\$ 20.00

Tax Description	Tax Account	Analytic account	Tax Amount
			Untaxed Amount: \$ 30.00
			Tax: \$ 0.00
			Total: \$ 30.00

Your logo
YourCompany

Azure Interior

Vendor Bill

Description	Quantity	Unit Price	Taxes	Amount	CESS
[DESK0006] Customizable Desk (Black, Custom)	1.000	100,000.00 ₹	CESS 5% + RS.1591/THOUSAND	100,000.00 ₹	5,001.59 ₹

Subtotal 100,000.00 ₹
Cess on 5,001.59 ₹
Total 105,001.59 ₹

Total (In Words): One Hundred And Five Thousand And One Rupees and Fifty-Nine Paise
 Payment terms: End of Following Month

Chapter 10: Security Access

Settings Users & Companies Translations Technical

Groups

Create Import

Internal Groups Search... Filters Group By

<input type="checkbox"/> Group Name
<input type="checkbox"/> Administration / Access Rights
<input type="checkbox"/> Access to Private Addresses
<input type="checkbox"/> Extra Rights / Contact Creation
<input type="checkbox"/> User types / Internal User
<input type="checkbox"/> Library / Librarians
<input type="checkbox"/> Extra Rights / Multi Companies
<input type="checkbox"/> Extra Rights / Multi Currencies
<input type="checkbox"/> User types / Portal
<input type="checkbox"/> User types / Public
<input type="checkbox"/> Administration / Settings
<input type="checkbox"/> Extra Rights / Technical Features
<input type="checkbox"/> Library / User

A red arrow points to the "Library / Librarians" group in the list.

A red arrow points to the "Library / User" group in the list.

Settings Dashboard Users & Companies Translations Technical Mitchell Admin (tw) ▾

Access Rights

Create Import

Object: library.book Search... Filters Group By Favorites 1-2 / 2

Name	Object	Group	Read Access	Write Access	Create Access	Delete Access
library.book_default	library.book	Library / User	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
library.book_librarian	library.book	Library / Librarians	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Settings Dashboard Users & Companies Translations Technical Mitchell Admin (tw) ▾

Groups / Administration / Access Rights

Edit Create Action ▾

Application	Administration	Name	Ac
Share Group			
Users	Inherited	Menus	Views
		Access Rights	Record Rules
		Notes	
Name	Login	Language	Latest con
Mitchell Admin	admin	English	11/22/201

Run JS Tests
Run JS Mobile Tests
Run Click Everywhere Test
Open View
Start Tour
Edit Action
View Fields
Manage Filters
Technical Translation
Set Defaults
View Metadata
Manage Attachments
Fields View Get
Edit View: Form
Activate Assets Debugging
Regenerate Assets Bundles
Become Superuser
Leave the Developer Tools

1 / 12 ⏪ ⏩

Settings Dashboard Users & Companies Translations Technical Mitchell Admin (tw) ▾

Record Rules

Create Import Record Rule library Search... ▾ Filters Group By Favorites 1-2 / 2 ⏪ ⏩

Name	Object	Groups	Domain	Apply for Read	Apply for Write	Apply for Create	Apply for Delete
Library: see only own books	library.book	Library / User		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Library: see all books	library.book	Library / Librarians	[(1, '=', 1)]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Settings Dashboard Users & Companies Translations General Settings Technical Mitchell Admin (tw) ▾

Settings Search... ▾

Save Discard

General Settings

Library

Manage book release dates
Enable release date feature on books

Install Notes app
Install note module

Business Documents

Format Set the paper format of printed documents

Format A4 ↗

Document Template Choose your document's header and footer layout

Template external_layout_standard ↗

→ Change Document Template Edit Layout
Preview Document

Users

Access Rights
Set custom access rights for new users

Import & Export
Allow users to import data from CSV/XLS/XLSX/ODS files

Chapter 11: Internationalization

Languages

1 Language

→ Add Language
→ Manage Languages

✿ Add Language

x

Language	French (BE) / Français (BE) <input type="button" value="▼"/>
Overwrite Existing Terms	<input checked="" type="checkbox"/>
<input type="button" value="Add"/>	<input type="button" value="Cancel"/>

✿ Language Pack

x

French (BE) / Français (BE) has been successfully installed. Users can choose his favorite language in their preferences.

Settings General Settings Users & Companies Translations Technical Mitchell Admin (test-14)

Users / Mitchell Admin

Save Discard 2 / 2 < >

	8 Groups	121 Access Rights	13 Record Rules
Name	Mitchell Admin		
Email Address	admin		
Related Partner	YourCompany, Mitchell Admin		
Access Rights	Preferences		
⚠ Two-factor authentication not enabled			
Localization Language: English (US) Timezone: Asia/Calcutta		Menus Customization Home Action:	

Settings General Settings Users & Companies Translations Technical Mitchell Admin (test-14)

Languages / French (BE) / Français (BE)

Save Discard 2 / 85 < >

		Activate and Translate
Name	French (BE) / Français (BE)	
Locale Code	fr_BE	Direction: Left-to-Right
ISO code	fr_BE	Separator Format: [3,0]
Active	<input checked="" type="checkbox"/>	Decimal Separator: ,
		Thousands Separator: .
		Date Format: %d/%m/%Y
		Time Format: %H:%M:%S
		First Day of Week: Monday

Settings General Settings Users & Companies Translations Technical

Mitchell Admin (test-14)

Groups

Create

Internal Groups Search... Filters Group By

- Group Name
- Administration / Access Rights
- Technical / Access to Private Addresses
- Technical / Access to export feature
- Extra Rights / Contact Creation
- User types / Internal User
- Library / Librarians
- Technical / Library release date feature
- Extra Rights / Multi Companies
- Extra Rights / Multi Currencies
- User types / Portal
- User types / Public
- Administration / Settings
- Extra Rights / Technical Features
- Library / User

Run JS Tests
Run JS Mobile Tests
Run Click Everywhere Test
Open View
Start Tour
Edit Action
View Fields
Manage Filters
Technical Translation

View Access Rights
View Record Rules
Fields View Get
Edit View: List
Edit ControlPanelView
Activate Assets Debugging
Activate Tests Assets Debugging
Regenerate Assets Bundles
Become Superuser
Leave the Developer Tools

Groups / Technical Translations

Search... Filters Group By Favorites 1-22 / 22

Internal Source	Translation Value	Translated field	Language	Modul...	Type	Status
<input type="checkbox"/> Access Menu	Accès au menu	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Access Controls	Contrôles d'accès	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Application	Application	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Color Index	Couleur	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Comment	Commentaires	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Created by	Créé par	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Created on	Créé le	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Display Name	Nom affiché	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Group Name	Nom du groupe	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Group created to set access rights for sharing data with some users.	Groupe créé pour définir les droits d'accès pour le partage des données avec les autres utilisateurs.	ir.model.fields.help	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> ID	ID	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Inherits	Hérite	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Last Modified on	Dernière modification le	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Last Updated by	Dernière mise à jour par	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Last Updated on	Dernière mise à jour le	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Name	Nom	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Rules	Règles	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Share Group	Groupe de partage	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Transitively inherits	Hérite transitoirement	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Users	Utilisateurs	ir.model.fields.field_description	French (BE) / Français (BE) base	Model Fi...	Translated	
<input type="checkbox"/> Users of this group automatically inherit those groups	Les utilisateurs de ce groupe héritent automatiquement de ces groupes	ir.model.fields.help	French (BE) / Français (BE) base	Model Fi...	Translated	

Groups / Administration / Access Rights

Save Discard 1 / 14

Application	Name	Access Rights		
Administration	<input type="checkbox"/>	EN		
Share Group	<input type="checkbox"/>			
<input type="radio"/> Users <input type="radio"/> Inherited <input type="radio"/> Menus <input type="radio"/> Views <input type="radio"/> Access Rights <input type="radio"/> Record Rules <input type="radio"/> Notes				
Name	Login	Language	Latest authentication	Two-factor authentication
Mitchell Admin	admin	English (US)	12/02/2020 02:12:40	<input type="checkbox"/>
Add a line				

* Export Translation X

Export Settings

Language

New Language (Empty translation template)

File Format

PO File

Apps To Export

Discuss X

Export

Cancel

* Import Translation X

Language Name

Spanish

Code

es_ES

File

Upload your file

Overwrite Existing
Terms

Import

Cancel

Languages / French (BE) / Français (BE)

2 / 85



Activate and Translate



Name

French (BE) / Français (BE)

Locale Code

fr_BE

ISO code

fr_BE

URL Code

fr-custom

Active



Direction

Left-to-Right

Separator Format

[3,0]

Decimal Separator

,

Thousands Separator

.

Date Format

%d/%m/%Y

Time Format

%H:%M:%S

First Day of Week

Monday



Chapter 12: Automation, Workflows, Emails, and Printing

My Library Books Book Categories Book on rent Mitchell Admin

Book on rent / New

Save Discard

Draft → On rent → Due → Completed → More ▾

Book Borrower Rent Date 12/01/2018 Return Date

My Library Books Book Categories Book on rent Mitchell Admin

Book on rent Create Import

Search... Filters Group By Favorites

Draft + On rent + Due + Completed + Lost (0) Add a Column

Parth Gajjar Odoo 12 development cookbook Dharmang Soni Odoo Development Essentials Jigar Patel Practical Business Intelligence Kishan Gajjar PostgreSQL Administration Essentials Deco Addict Odoo Development Essentials Azure Interior Working with odoo

Draft

Book Borrower Add Edit Discard

Parth Gajjar Odoo 12 development cookbook

Kishan Gajjar PostgreSQL Administration Essentials

My Library Books Book Categories Book on rent Mitchell Admin

Book on rent

Create Import

Search... Filters Group By Favorites

Draft + On rent + Due + Completed + Lost (0) +

Parth Gajjar	Dharmang Soni	Lumber Inc	Azure Interior
Odoo 12 development cookbook Odoo • Premium ★★★	Odoo Development Essentials Odoo • Android ★★☆	Odoo 12 development cookbook ★★★	Working with odoo ★★☆
Kishan Gajjar	Deco Addict	Jigar Patel	
PostgreSQL Administration Essentials SQL • Database ★★☆	Odoo Development Essentials Odoo • Premium ★★★	Practical Business Intelligence Premium • Views • Javascript ★★☆	

Edit Delete

Color palette: Red, Orange, Yellow, Blue, Purple, Green, Dark Blue, Dark Red, Grey

Parth Gajjar

Odoo 12 development cookbook
Odoo • Premium
★★★

Edit Delete

Color palette: Red, Orange, Yellow, Blue, Purple, Green, Dark Blue, Dark Red, Grey

My Library Books Book Categories Book on rent Mitchell Admin

Book on rent

Create Import

Search... Filters Group By Favorites

Draft + On rent + Due + Completed + Lost (0) +

Deco Addict	Dharmang Soni	Lumber Inc	Azure Interior
Odoo Development Essentials ★★★	Odoo Development Essentials Odoo • Android ★★☆	Odoo 12 development cookbook ★★★	Working with odoo ★★★
Parth Gajjar	Jigar Patel	Azure Interior, Nicole Ford	Deco Addict
Odoo 12 development cookbook Odoo • Premium ★★☆	Practical Business Intelligence Premium • Views • Javascript ★★☆	PostgreSQL Administration Essentials SQL • Database ★★☆	Odoo Development Essentials Odoo • Premium ★★☆
Kishan Gajjar	Lumber Inc		
PostgreSQL Administration Essentials SQL • Database ★★☆	Odoo 12 development cookbook ★★★		

Settings General Settings Users & Companies Translations Technical Mitchell Admin (book)

Server Actions / New

Action Name
e.g. Update order quantity

Model: **Action To Do**:

Data to Write **Security**

Please set the Model to Create before choosing values

Field	Evaluation Type	Record	Value
Add a line			

Settings General Settings Users & Companies Translations Technical Mitchell Admin (book)

Server Actions / Set Priority

Action Name
Set Priority

Model: **Action To Do**: **Update the Record**

Data to Write **Security**

Field	Evaluation Type	Record	Value
Priority (project.task)	Value	1	<input type="button" value="Edit"/>
Deadline (project.task)	Python expression	datetime.date.today() + datetime.timedelta(days=3)	<input type="button" value="Edit"/>
Add a line			

Project Projects All Tasks Reporting Configuration Mitchell Admin (tw)

Projects / Tasks / Meeting Room Furnitures

Action 1 / 7

Meeting Room Furnitures

Project: Office Design **Assigned to**: Marc Demo **Deadline**:

Active

Server Actions / Set a reminder

[Save](#) [Discard](#)

1 / 1 < >

[Create Contextual Action](#)

Action Name

Set a reminder

Model

Task

Action To Do

Execute Python Code

[Python Code](#) [Security](#) [Help](#)

```
# Available variables:
# - env: Odoo Environment on which the action is triggered
# - model: Odoo Model of the record on which the action is triggered; is a void recordset
# - record: record on which the action is triggered; may be void
# - records: recordset of all records on which the action is triggered in multi-mode; may be void
# - time, datetime, dateutil, timezone: useful Python libraries
# - log: log(message, level='info'): logging function to record debug information in ir.logging table
# - Warning: Warning Exception to use with raise
# To return an action, assign: action = {...}

if not record.date_deadline:
    raise Warning('Task has no deadline!')

delta = record.date_deadline - datetime.date.today()
days = delta.days
if days==0:
    msg = 'Task is due today.'
elif days < 0:
    msg = 'Task is %d day(s) late.' % abs(days)
else:
    msg = 'Task will be due in %d day(s).' % days

record.message_post(body=msg, subject='Reminder', subtype='mt_comment')
```

Automated Actions / New

[Save](#) [Discard](#)

Action Name

Set notification near deadline

Model

Task

Action To Do

Execute several actions

Active

✓

Trigger Condition

Based on Timed Condition

Apply on

Match records with ALL of the following rules:

Deadline is set Stage > Folded in Kanban is not set

3 record(s) Edit Domain

Trigger Date

Deadline (project.task)

Delay after trigger date

-1 Days

Use Calendar

[Security](#) [Actions](#)

If several child actions return an action, only the last one will be executed. This may happen when having server actions executing code that returns an action, or server actions returning client action.

Action Name	Action To Do	Model	Usage
Set a reminder	Execute Python Code	Task	Server Action
Add a line			

Settings General Settings Users & Companies Translations Technical Mitchell Admin (book)

Scheduled Actions / Base Action Rule: check and execute

Edit Create

Action ▾

1 / 12



Run Manually



Base Action Rule: check and execute

Model	Automated Action
Scheduler User	System
Execute Every	4Hours
Active	<input checked="" type="checkbox"/>
Next Execution Date	07/31/2020 01:11:07
Number of Calls	-1
Priority	5
Repeat Missed	<input type="checkbox"/>

Python Code Security Help

model._check(True)

Settings General Settings Users & Companies Translations Technical Mitchell Admin (book)

Automated Actions / Validate Closing Tasks

Save Discard

10 / 10



Action Name

Validate Closing Tasks

Model

Task



Active

Trigger Condition

On Update



Watched fields

Field Name	Field Label	Model	Field Type	Type	Indexed	Stored	Readonly	Object Relation
stage_id	Stage	Task	manyZone	Base Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	project.task.type

Add a line

Before Update
Domain

Match records with the following rule:

Stage > Stage Name is not = "Done"

→ 16 record(s) Edit Domain

Apply on

Match records with the following rule:

Stage > Stage Name = "Done"

→ 3 record(s) Edit Domain

Action To Do

Execute several actions

Add: Child Actions

X

Create Contextual Action

Action Name

Validate Closing tasks

Model

Task

Action To Do

Execute Python Code

Python Code Help

```
# Available variables:  
# - env: Odoo Environment on which the action is triggered  
# - model: Odoo Model of the record on which the action is triggered; is a void recordset  
# - record: record on which the action is triggered; may be void  
# - records: recordset of all records on which the action is triggered in multi-mode; may be void  
# - time, datetime, dateutil, timezone: useful Python libraries  
# - log: log(message, level='info'): logging function to record debug information in ir.logging table  
# - Warning: Warning Exception to use with raise  
# To return an action, assign: action = {...}  
  
if user != record.project_id.user_id:  
    | | | raise Warning('Only the Project Manager can close Tasks')
```

Save & Close

Save & New

Discard

My Library

Books

Book Categories

Book on rent



Mitchell Admin (test-14)

Book on rent / library.book.rent,1 / Parth Gajjar

Edit

Create

Print

Action

2 / 2

< >

Book Rents

Parth Gajjar

Address Type

Contact

Job Position



Company Address

Tax ID

Phone

Mobile

Email

Website Link

Title

Tags

Azure Interior

Odoo 12 Cookbook

Test

★★★☆

⌚

Today 1

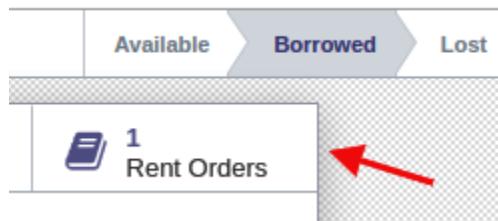
Email

Planned 1

Call Due in 3 days

+ Schedule an activity

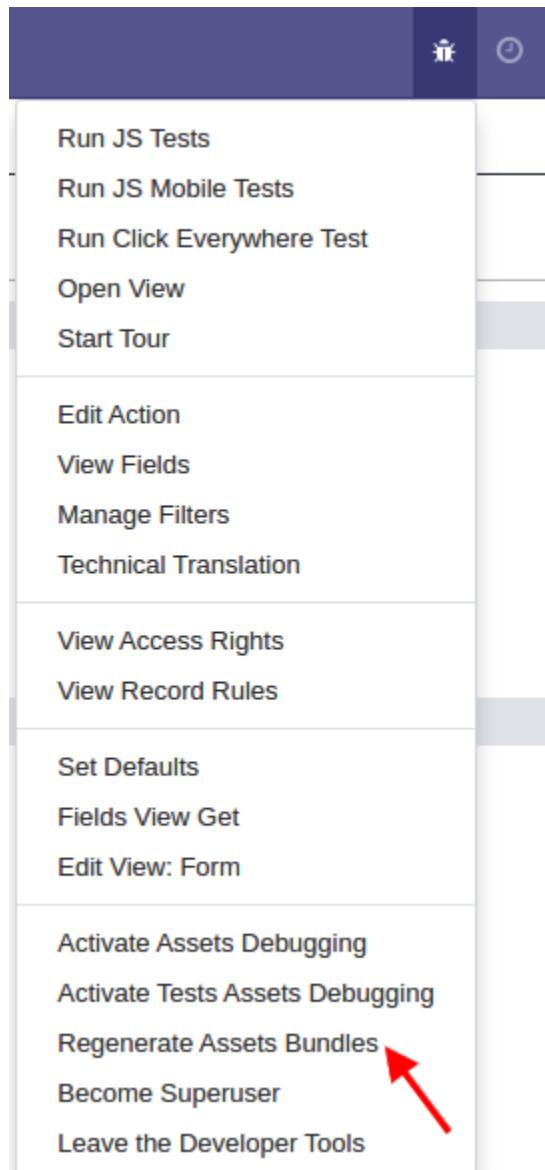
This screenshot shows the Odoo 12 Cookbook dashboard. At the top, there's a sidebar with user information and a star rating. Below that, a section for 'Today' shows one task labeled 'Email'. A 'Planned' section shows one call scheduled 'Due in 3 days'. At the bottom, there's a button to 'Schedule an activity'.

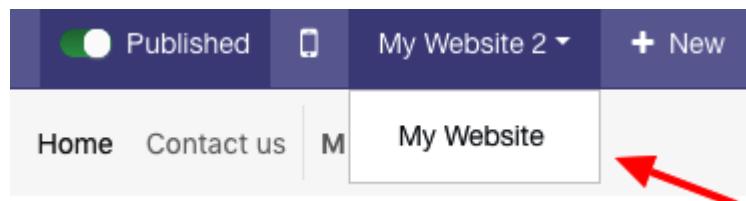
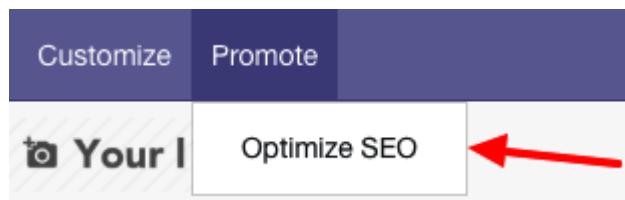
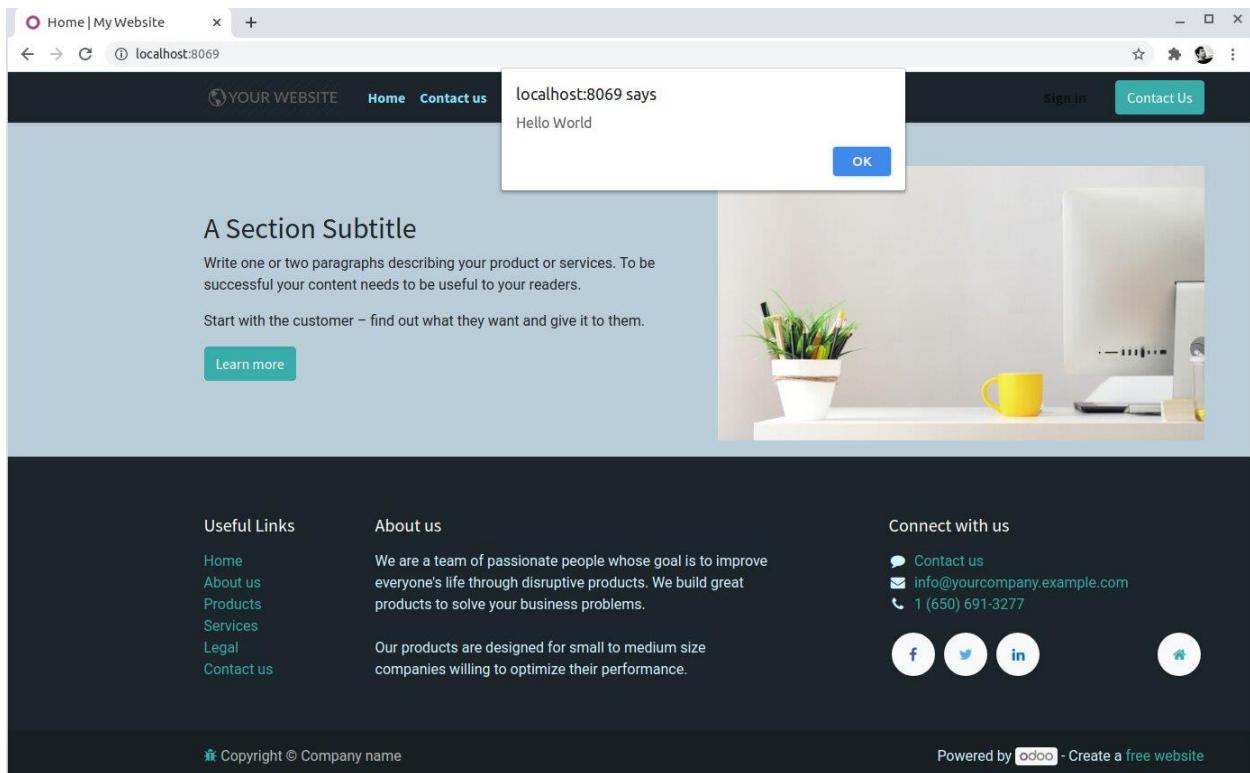


Chapter 13: Web Server Development

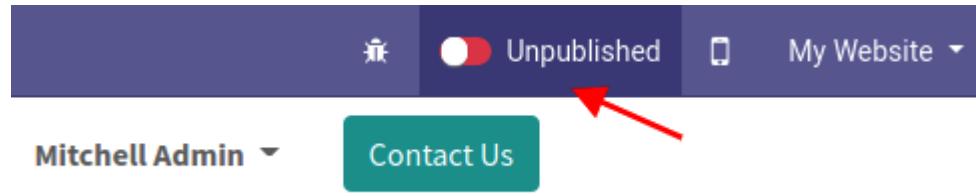
No images...

Chapter 14: CMS Website Development





Name	Old Library URL	Website
Action	301 Moved permanently	Active
URL from	/library	Sequence
URL to	/books	



Chapter 15: Web Client Development

Release Date

Color



A horizontal row of ten colored circles, each a different shade of gray or color. The colors include dark gray, red, orange, yellow, light blue, maroon, pink, teal, dark blue, and magenta.

Short Title

Test

This color is used in 1 books.

Release Date



Color



My Library Books

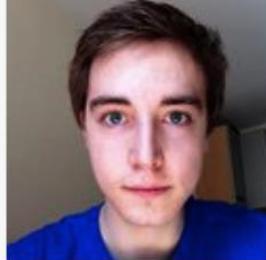
Add Record

Search... 

Filters  Favorites 

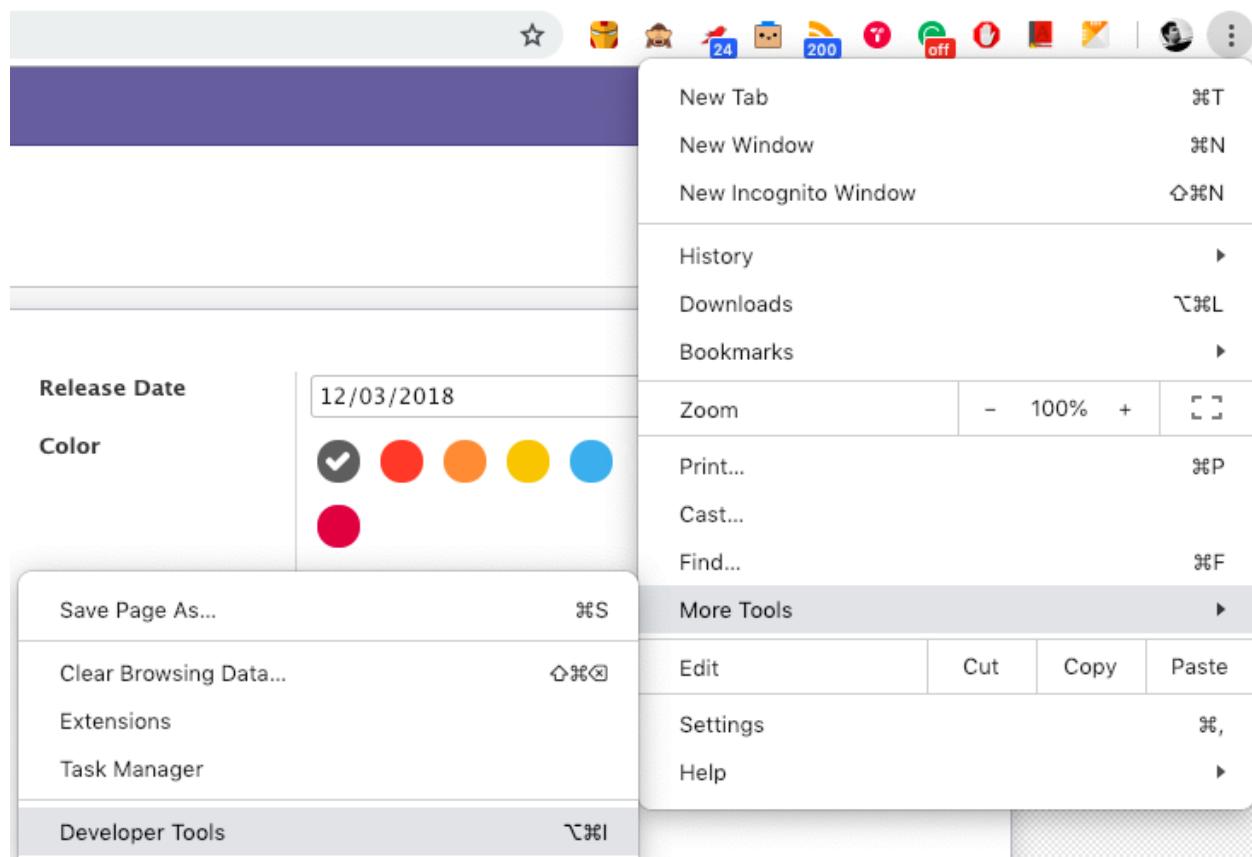
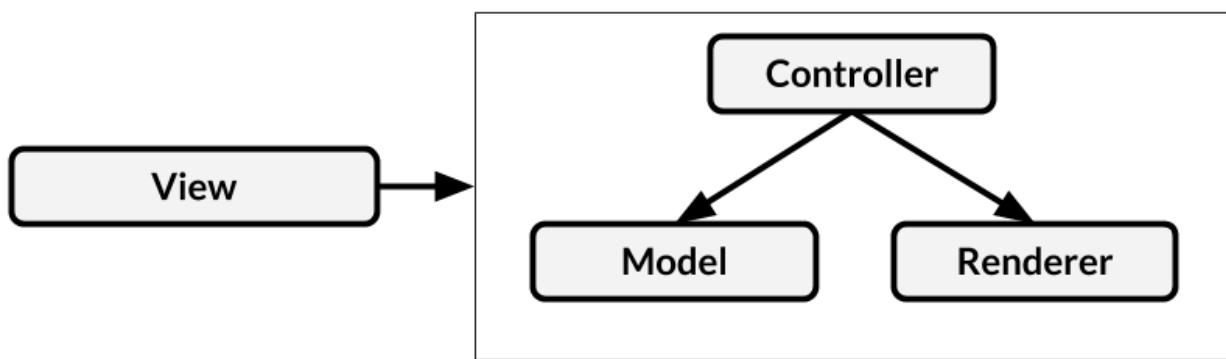
 Wood Corner, Ron Gibson
 Learn CSS in 5 days
 HTML Basics
[View books](#)

 Ready Mat, Billy Fox
 Python basics
 Learn CSS in 5 days
[View books](#)

 Interior, Brandon Freeman
 Javascript basics
 PostgresSQL in details
[View books](#)

 Deco Addict, Addison Olson
 Javascript basics
 Python basics
 PostgresSQL in details
[View books](#)

Mitchell Admin



My Library Books

Paused in debugger | Mitchell Admin (tw) | 1 / 1

Title	Authors	Release Date	Color
Python basics	Deco Addict, Addison Olson	Ready Mat, Billy Fox	

Elements Console Sources Network Performance Memory Application Security Audits AdBlock

```

Page Filesystem > m2m_group_controller.js m2m_group_renderer.js field_widget.js x
  ▾ top
    ▾ localhost:8069
      ▾ base/static/src
        ▾ base/import/static
        ▾ bus/static/src/js
        ▾ lap/static/src/js
        ▾ mail/static/src
        ▾ mail_bot/static/src/js
        ▾ my_library/static/src
        ▾ partner autocomplete/static/src
        ▾ sms/static/src/js
        ▾ web
        ▾ web_diagram/static/src
        ▾ web_editor/static
        ▾ web_kanban_gauge/static/src
        ▾ web_settings_dashboard/stat
        ▾ web_tour/static/src
  23   this.colorGroupData = {};
  24   var colorDataDef = this._rpc({
  25     model: this.model,
  26     method: 'read_group',
  27     domain: [],
  28     fields: ['color'],
  29     group_by: ['color'],
  30   }).then(function (result) {
  31     _each(result, function (r) {
  32       self.colorGroupData[r.color] = r.color_count;
  33     });
  34   });
  35   return $.when(this._super.apply(this, arguments), colorDataDef);
  36 },
  37   _renderEdit: function () {
  38     this._sel.empty();
  39     var pills = qweb.render('FieldColorPills', {widget: this});
  40     this._sel.append(pills);
  41     this._sel.find('[data-toggle="tooltip"]').tooltip();
  42   },
  43   _renderReadOnly: function () {
  44     var className = "o_color_pill active readonly o_color_" + this.value;
  45     this._sel.append($('', {
  46       'class': className,
  47       'text': this.value,
  48     }));
  49   },

```

Debugger paused

- Watch
- Call Stack
- _renderEdit
- _render
- (anonymous)
- (anonymous)
- fire
- add
- (anonymous)
- each
- (anonymous)
- Deferred
- then

abstract_field.js:416
abstract_field.js:204
jquery.js:3276
jquery.js:3119
jquery.js:3165
jquery.js:3275
jquery.js:383
jquery.js:3272
jquery.js:3332
jquery.js:3271

Discuss

Discuss

My Library Apps Settings

Manage books and authors in Library app.

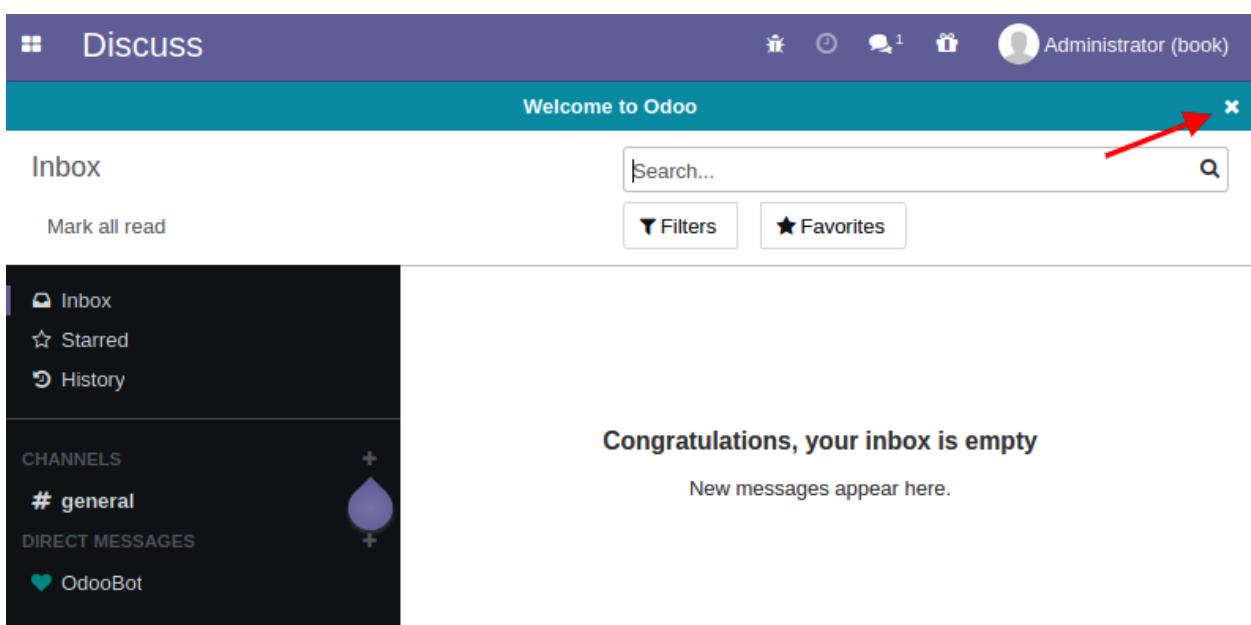
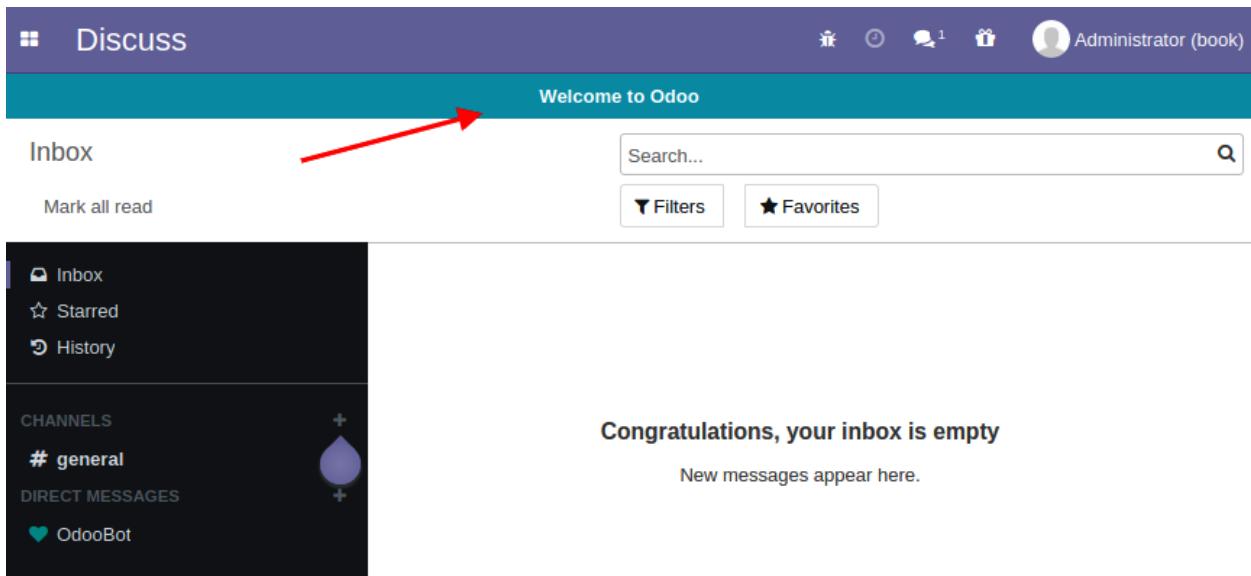
HD 46 | 10:32 PM

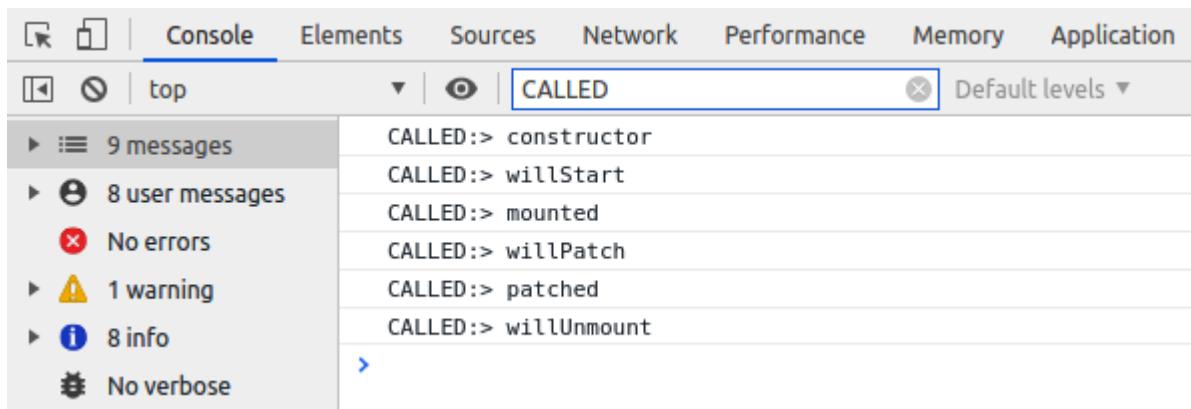
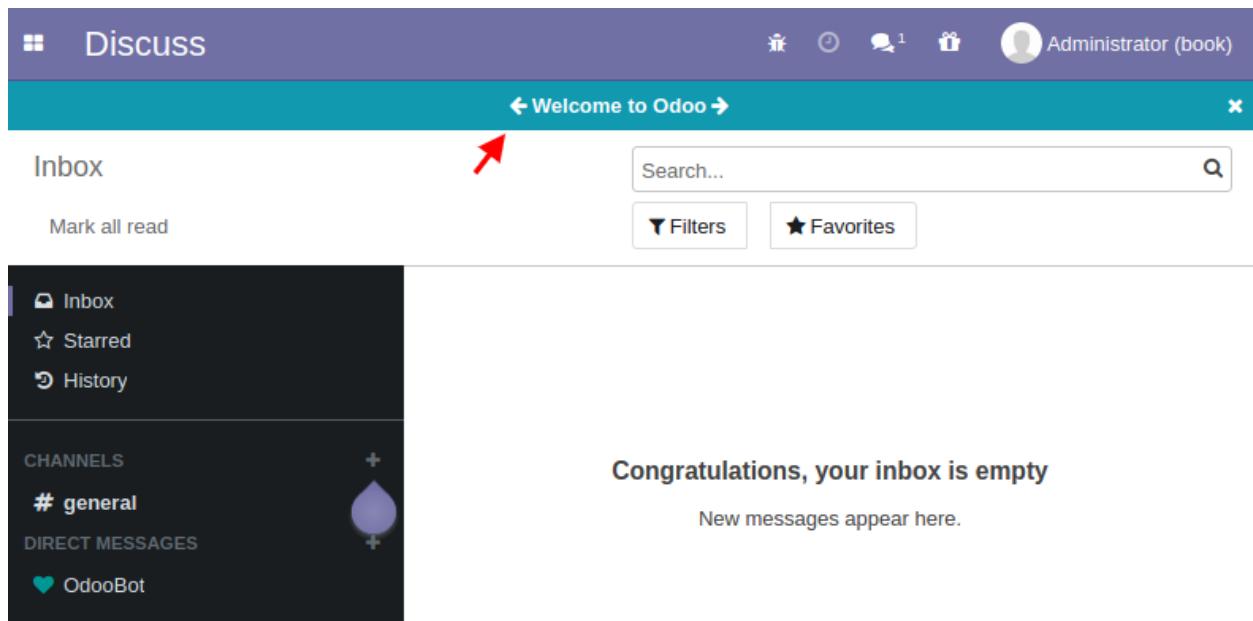
New

SAVE DISCARD

Title	<input type="text" value="My book"/>
Authors	<input type="text"/>
Release Date	<input type="text"/>
Color	<input type="radio"/>
Color changed	

Chapter 16: The Odoo Web Library (OWL)

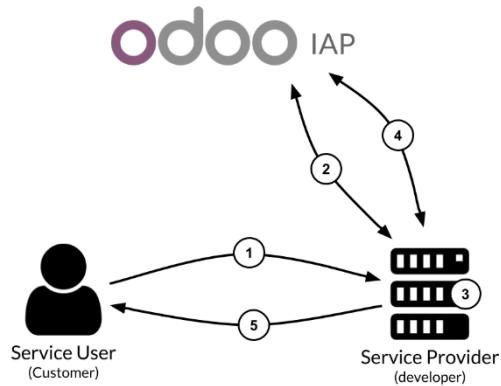




A form interface with three fields:

- Short Title:** An input field with a placeholder.
- Release Date:** A dropdown menu.
- Color:** A color palette with ten circular swatches. The fourth swatch from the left is yellow and contains a checkmark.

Chapter 17: In-App Purchasing with Odoo



odoo IAP Parth Gajjar ▾

¶ / In-App Services / book_isbn

Edit service

Technical Name book_isbn This is the string you will need to provide in your module when requesting a transaction from Odoo IAP.
(e.g. `self.env['iap.account'].get(service_name)`)

Label Books ISBN The name that will be displayed to users.

Description Get books data based on ISBN number A short description of the service you are offering.

Unit Name Books info If left blank, 'Credits' will be used as the unit of your service.

Trial Credits 5.0 Upon first use of your service, those trial credits will be granted for free to the customer (see [the documentation](#)).

Service Logo

Suggested image size: 360x150px
Choose file No file chosen

Privacy Policy <https://example.com> You need to provide a URL with the privacy policy of your service. This policy should inform the user about several points. Amongst them:

- the information you collect
- how you use this information
- how the client can access his data
- how you protect this data
- ...

You can refer to the [Odoo Privacy Policy](#) as an example of structure but you can **NOT** use it as your own privacy policy.

Cancel Save

[Home](#) / My Services / Test PGA

Service key generated

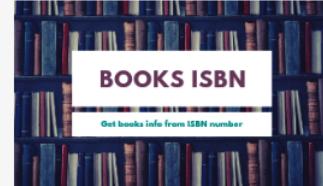
Be sure to write it down as we will show it **only once** and **we do not store it**.

service key: 85f 257ef

Books ISBN

by Parth Gajjar

Get books data based on ISBN number

Status Approved

Total purchases 0.00 SMS

[Reset service key](#)

There are currently no packs for this service.

[Add a pack](#)[Home](#) / In-App Services / book_isbn / 50 Books Info

Edit pack

Pack Name**Pack Icon****Description** No file chosen**Amount****Price**

Note that Odoo will take a 25% commission on each sale. Define your price accordingly.

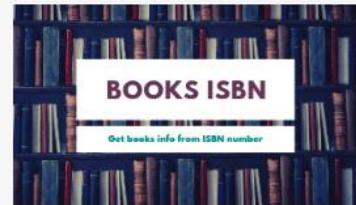
[Cancel](#)[Save](#)

[Home](#) / My Services / Books ISBN

Books ISBN

by Parth Gajjar

Get books data based on ISBN number

Status **Approved**

Total purchases 312.00 Books info

[Reset service key](#)

Pack	Amount	Price
50 Books Info	50.00 Books info	10.00 €
100 Books Info	100.00 Books info	18.00 €
1000 book info	1,000.00 Books info	150.00 €
Add a pack		

Books Data Books

Administrator (book)

Book info / Odoo 12 Development Cookbook

Edit Create Action 2 / 2 < >

Odoo 12 Development Cookbook



ISBN 9781789532470 Authors Parth Gajjar, Alexandre Fayolle, Daniel Reis, Holger Brunn Release Date 04/20/2019

Settings

Dashboard Users & Companies Translations

System Parameters / New

Save

Discard

Key

iap.endpoint

Value

https://iap-sandbox.odoo.com

Settings

Dashboard Users & Companies Translations General Settings

Settings

Save

Discard



General Settings

IAP Books ISBN service

IAP service key

Generate service in odoo IAP and add service key here

ISBN service
key

your service key|



Insufficient Balance



You don't have an IAP account registered for this service.

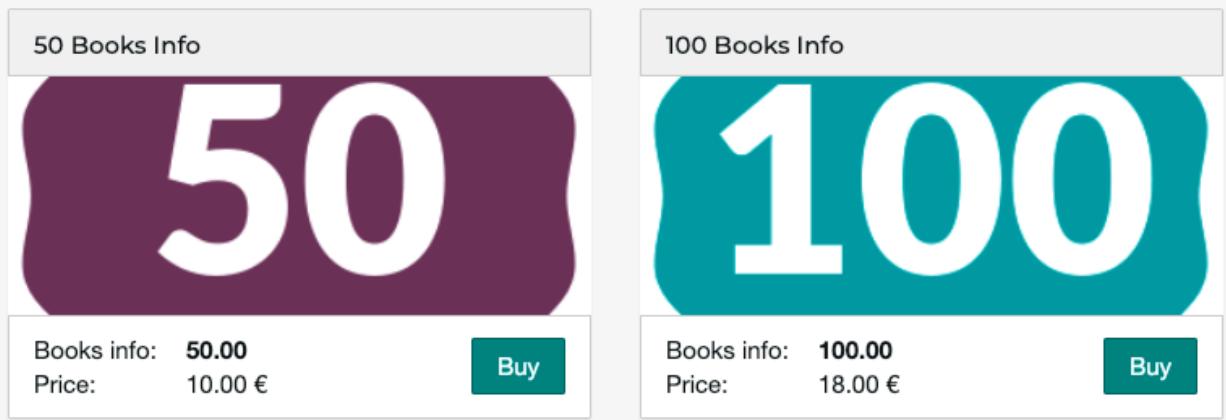
Buy credits

Cancel

Buy Books info for Books ISBN

Get books data based on ISBN number

Get credits now by buying one of the following packs:



Settings

General Settings Users & Companies Translations Tech

Settings

Save

Discard

General Settings

In-App Purchases

Odoo IAP ??

View your IAP Services and recharge your credits

→ View My Services

Insufficient Balance

X

You do not have enough credits to submit this request.

Recharge your IAP account and try again.

[Buy credits](#)

[Cancel](#)

Insufficient Balance

X

Library ISBN

Get full book information with cover image just by the ISBN number.

20% Off

 Large books database

We have largest book database. It contains more than 2500000+ books.

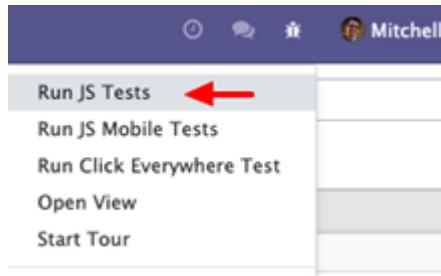
 With cover image

More than 95% of our books having high quality book cover images.

[Buy credits at Odoo](#)

[Cancel](#)

Chapter 18: Automated Test Cases



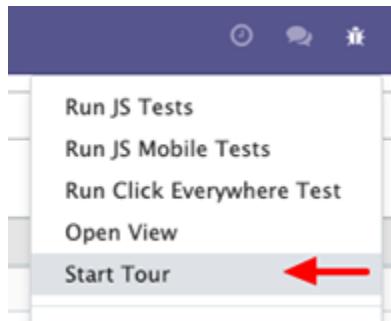
Web Tests

Hide passed tests Check for Globals No try-catch Fail Fast Filter: Go Module: All modules ▾

QUnit 2.9.1; Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36

Running: fields > relational_fields > FieldStatus: clickable statusbar widget on manyZone field Abort

Test Case	Duration
1. core > Time utils: Parse server datetime [1, 3, 4] Rerun	13 ms
2. skipped Services > Notification: Display a simple notification with onClose callback when automatically close [0] Rerun	
3. fields > basic_fields > FieldDateRange: Datetime field [6, 11, 17] Rerun	147 ms
Source: at Object.<anonymous> (https://5431696-13-0.rnbot35.odoo.com/web/static/tests/fields/basic_fields_tests.js:2886:11)	
4. fields > basic_fields > FieldDateRange: Date field [18] Rerun	711 ms
5. fields > basic_fields > HandleWidget: handle widget with falsy values [1] Rerun	60 ms
6. fields > basic_fields > HandleWidget: handle widget in x2m [6] Rerun	80 ms
7. fields > basic_fields > AceEditor: ace widget on text fields works [2] Rerun	62 ms
8. fields > basic_fields > JournalDashboardGraph: rendering of a field with dashboard_graph widget in an updated kanban view (grouped) [2] Rerun	80 ms
9. fields > basic_fields > JournalDashboardGraph: rendering of a field with dashboard_graph widget in an updated kanban view (ungrouped) [2] Rerun	84 ms
10. fields > basic_fields > JournalDashboardGraph: graph dashboard widget is rendered correctly [3] Rerun	91 ms
11. fields > basic_fields > JournalDashboardGraph: graph dashboard widget attach/detach callbacks [6] Rerun	78 ms
12. fields > basic_fields > FieldImage: image fields with required attribute [2] Rerun	127 ms
13. fields > basic_fields > FieldImage: image fields in x2many list are loaded correctly [2] Rerun	41 ms
14. fields > basic_fields > FieldImage: image fields in subviews are loaded correctly [6] Rerun	75 ms
15. fields > basic_fields > FieldImage: image fields are correctly rendered [7] Rerun	66 ms



Tours

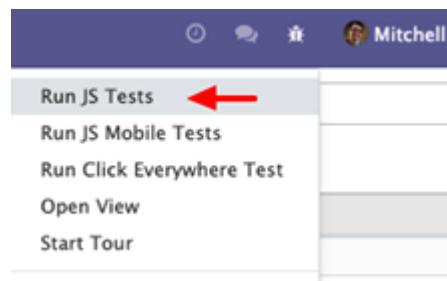
Onboarding tours

Sequence Name	Path	Start Test
---------------	------	------------

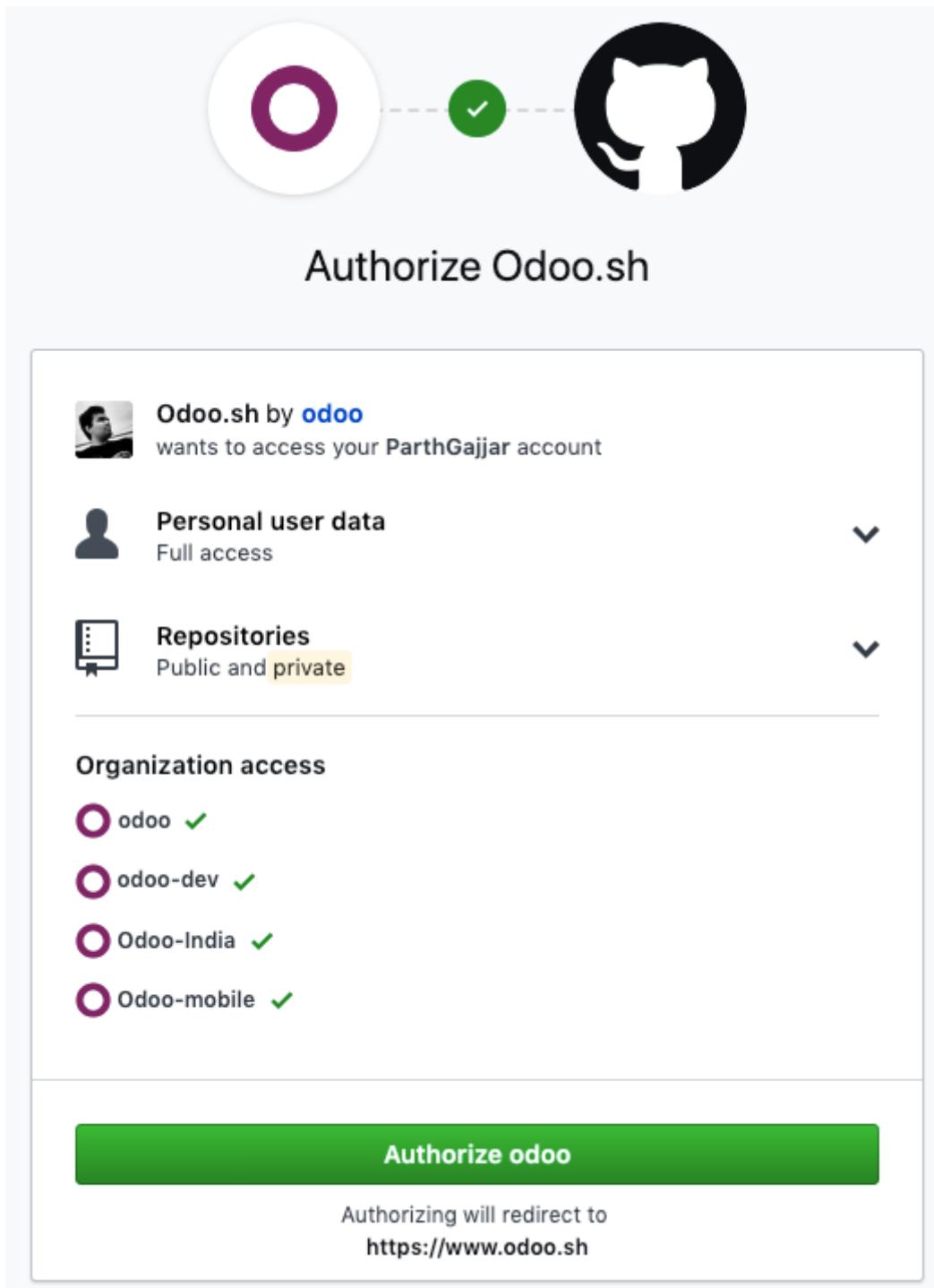
Testing tours

Sequence Name	Path	Start Test
5 library_tour	/web	
1000 totp_admin_disables	/web	
1000 totp_login_disabled	/	
1000 totp_login_enabled	/	
1000 totp_tour_setup	/web	

Ok



Chapter 19: Managing, Deploying, and Testing with Odoo.sh



The image shows the Odoo.sh GitHub authorization interface. At the top, there's a circular icon containing a purple 'O' shape, followed by a green checkmark, and then the GitHub logo. Below this, the text "Authorize Odoo.sh" is centered.

Odoo.sh by [odoo](#)
wants to access your ParthGajjar account

Personal user data
Full access ▾

Repositories
Public and private ▾

Organization access

- odoo ✓
- odoo-dev ✓
- Odoo-India ✓
- Odoo-mobile ✓

Authorize odoo

Authorizing will redirect to
<https://www.odoo.sh>

odoosh

HOME FEATURES PRICING Parth Gajjar +

Deploy Your Platform

Github Repository: New public repository New private repository Existing repository
pga-odoo/ OdooShDemo
Can't see your organization or repository ?

Odoo Version: 14.0

Subscription Code: e.g. M171005123456

Don't have a subscription code ?

Hosting location:

-  Americas Latency: 310ms
-  Europe Latency: 402ms
-  Asia ✓ Latency: 96ms

The latency shown here is directly calculated from your browser to the Odoo.sh servers.
[More information about hosting locations](#)

By clicking on Deploy you accept our [Subscription Agreement](#) and [Privacy Policy](#)

odoosh Branches Builds Status Settings Documentation pga-odoo-odooshdemo Parth Gajjar

Filter branches...

Production +
Staging +
Development +
main +

main

Clone Fork Merge SSH Submodule Delete

git clone --recurse-submodules --branch main git@github.com:pga-odoo/Odc

HISTORY MAILS SHELL EDITOR LOGS SETTINGS

Yesterday

 web-flow - 9 minutes ago
Initial commit 4dad6cd Test: Success ✓ CONNECT

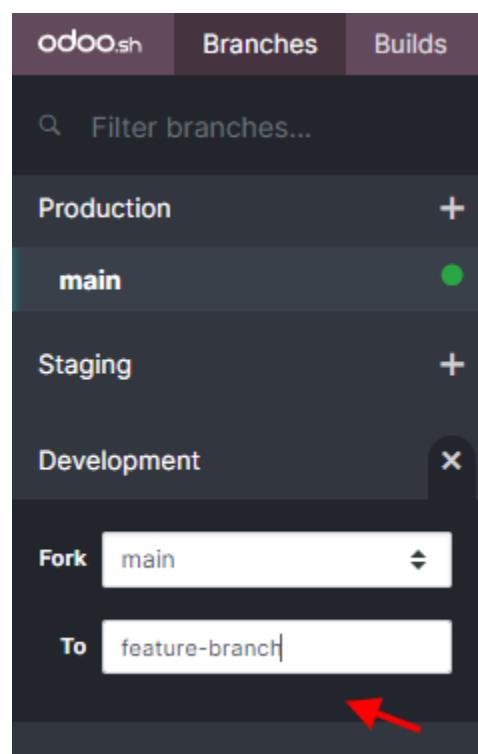
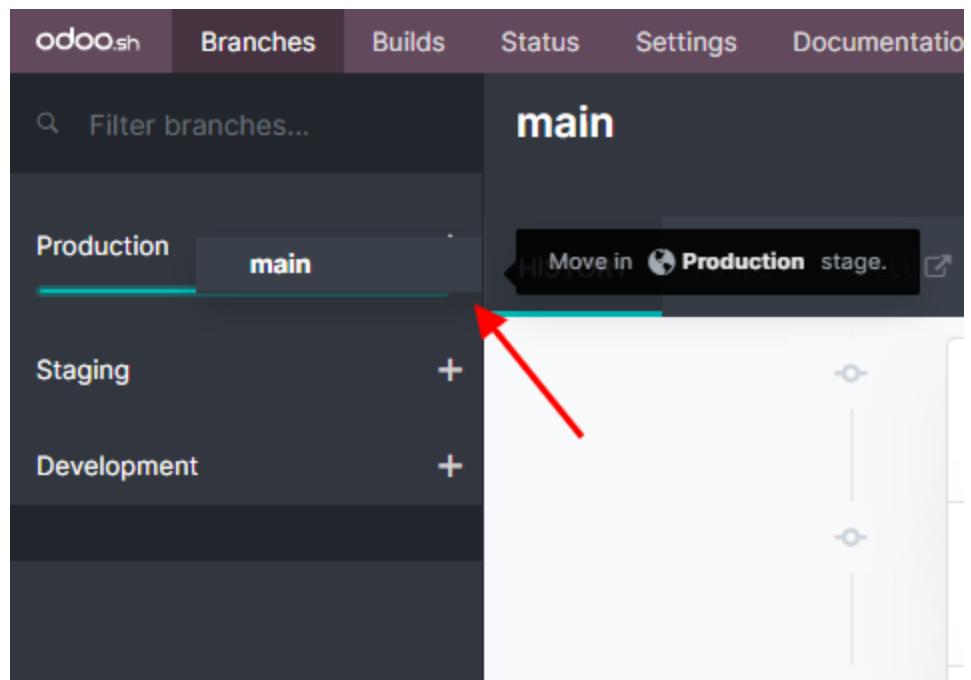
 pga-odoo - 9 minutes ago
STAGE CHANGE: Development
Development builds are created with a fresh new database loading demonstration data.
Every commit on this branch will be installed, tested and deployed automatically.
A DNS and mail catcher is setup for you to test outgoing emails.
Builds in development branches have a short lifespan.

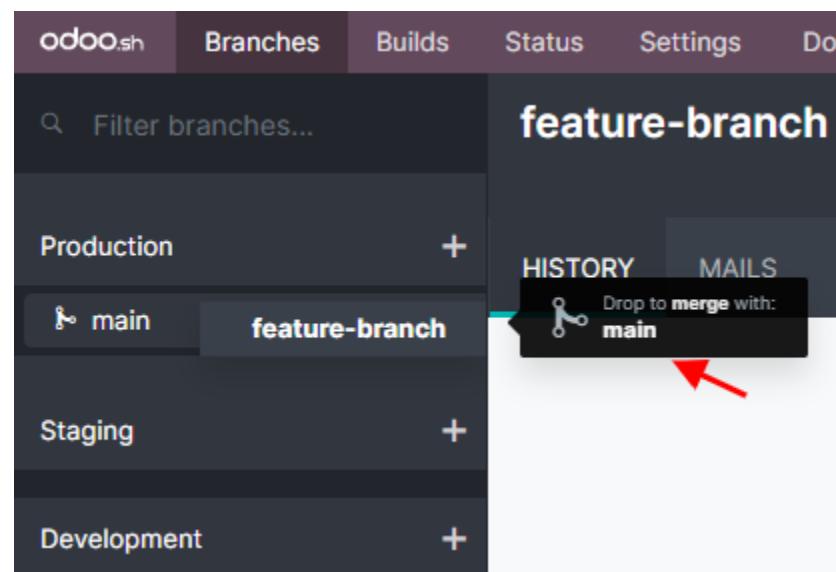
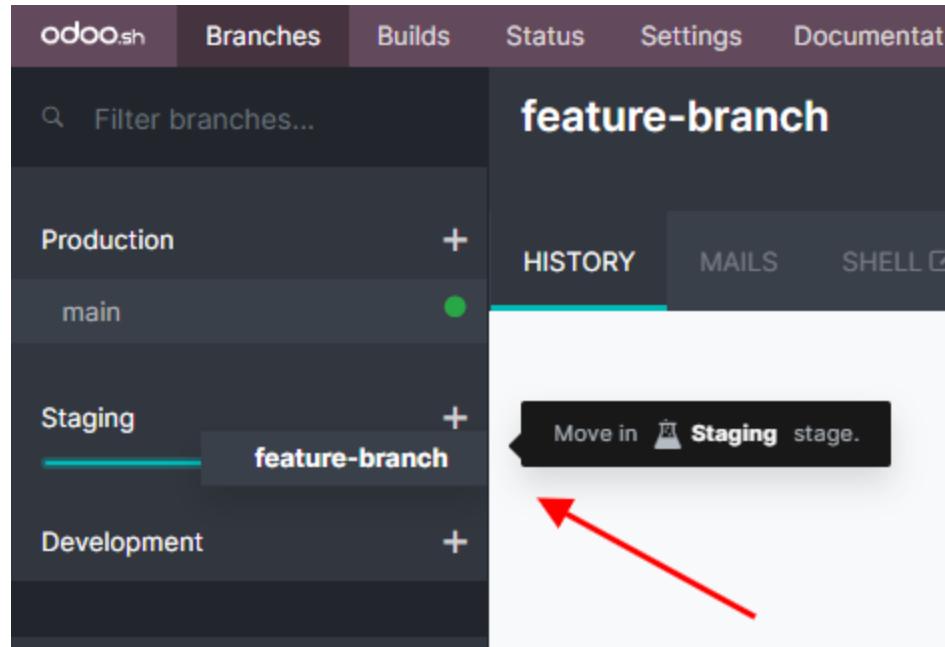


The screenshot shows the odoo.sh interface for the 'main' branch. The left sidebar lists branches: Production, Staging, Development, and main. The main area displays the commit history for the main branch. A commit from 'Testing: base' is highlighted with a red arrow, showing a green checkmark for 'Success'.

This is a screenshot of the Odoo mobile application's home screen. It features five main icons: Discuss, Contacts, My Library, Apps, and Settings. A red arrow points to the 'My Library' icon.

The screenshot shows the odoo.sh interface for the 'main' branch under the 'SETTINGS' tab. It includes sections for 'Behavior upon new commits' (with a dropdown menu for 'New build'), 'Module installation' (with radio button options for 'Install only my modules', 'Full installation (no test suite)', and 'Install a list of modules'), and 'Test suite' (with a checkbox for 'Validate the test suite on new builds'). A red arrow points to the 'New build' dropdown menu.





The screenshot shows the odoo.sh web interface. On the left, there's a sidebar with 'Branches' (Production: main, Staging: feature-branch, Development). The main area has tabs: HISTORY (highlighted with a red arrow), MAILS, SHELL, EDITOR, LOGS, BACKUPS, and SETTINGS. The HISTORY tab displays a log of recent activities:

- Yesterday: pga-odoo - 12 minutes ago: STAGE CHANGE: Development > Staging. Test: Success ✓. CONNECT button.
- Yesterday: pga-odoo - 17 minutes ago: ↗ Add my_library module. 82d5aff. Test: Failed ⓘ DROPPED.
- Yesterday: pga-odoo - 17 minutes ago: STAGE CHANGE: Development. Development builds are created with a fresh new database loading demonstration data. Every commit on this branch will be installed, tested and deployed automatically. A DNS and mail catcher is setup for you to test outgoing emails. Builds in development branches have a short lifespan.

The screenshot shows the odoo.sh web interface. The sidebar and tabs are identical to the previous screenshot. The MAILS tab is highlighted with a red arrow. It shows an incoming email:

Received	From	To	Subject
Sun, 15 Nov 2020 21:16:27 -0000	"Administrator" <admin@example.com>	"My Company" <test@test.com>	Re: My Company

Below the email details, there's a preview of the message content:

Re: My Company | More info ▾

Received	Sun, 15 Nov 2020 21:16:27 -0000	Subject	Re: My Company
From	"Administrator" <admin@example.com>	To	"My Company" <test@test.com>

Attachments: No attachments

HTML Plain Text Source

Test

--
Administrator

Sent using Odoo.

```
+ Terminal 1
pgm-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~$ ls
backup.daily data logs Maildir repositories src tmp
pgm-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~$ cd src/odoo/
pgm-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~/src/odoo$ ls
addons CONTRIBUTING.md COPYRIGHT debian doc LICENSE MANIFEST.in odoo odoo-bin README.md requirements.txt SECURITY.md setup setup.cfg setup.py
pgm-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~/src/odoo$ ls -la
total 156
drwxr-xr-x 1 odoo odoo 6 Nov 15 20:38 .
drwxr-xr-x 6 odoo odoo 62 Nov 15 20:38 ..
drwxr-xr-x 355 odoo odoo 12288 Nov 3 19:32 addons
-rw-r--r-- 1 odoo odoo 803 Sep 29 12:57 CONTRIBUTING.md
-rw-r--r-- 1 odoo odoo 433 Sep 29 12:57 COPYRIGHT
drwxr-xr-x 3 odoo odoo 228 Oct 29 22:43 debian
drwxr-xr-x 10 odoo odoo 321 Sep 29 12:57 doc
drwxr-xr-x 9 odoo odoo 215 Nov 9 23:39 .git
drwxr-xr-x 2 odoo odoo 81 Oct 22 15:20 .github
-rw-r--r-- 1 odoo odoo 588 Sep 29 12:57 .gitignore
-rw-r--r-- 1 odoo odoo 43529 Sep 29 12:57 LICENSE
-rw-r--r-- 1 odoo odoo 56570 Sep 29 12:57 .mailmap
-rw-r--r-- 1 odoo odoo 1491 Sep 29 12:57 MANIFEST.in
drwxr-xr-x 11 odoo odoo 322 Nov 3 19:32 odoo
-rwxr-xr-x 1 odoo odoo 180 Sep 29 12:57 odoo-bin
-rw-r--r-- 1 odoo odoo 2113 Oct 12 18:45 README.md
-rw-r--r-- 1 odoo odoo 1282 Sep 29 12:57 requirements.txt
-rw-r--r-- 1 odoo odoo 1734 Sep 29 12:57 SECURITY.md
drwxr-xr-x 4 odoo odoo 160 Oct 22 15:20 setup
-rw-r--r-- 1 odoo odoo 891 Sep 29 12:57 setup.cfg
-rw-r--r-- 1 odoo odoo 1723 Sep 29 12:57 setup.py
drwxr-xr-x 2 odoo odoo 20 Oct 5 06:10 .tx
pgm-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~/src/odoo$
```

```

File Edit View Run Kernel Odoo Tabs Settings Help
+ 📂 📄 ⌛ ⌁ C
    > ... > my_library > models
Name Last Modified
__init__.py 4 hours ago
library_book.py 4 hours ago
Launcher library_book.py
1 # -*- coding: utf-8 -*-
2 from odoo import models, fields
3
4
5 class LibraryBook(models.Model):
6     _name = 'library.book'
7     _description ="Books table"
8
9     name = fields.Char('Title', required=True)
10    date_release = fields.Date('Release Date')
11    author_ids = fields.Many2many('res.partner', string='Authors')
12    state = fields.Selection(
13        [('draft', 'Not Available'),
14         ('available', 'Available'),
15         ('lost', 'Lost')]),
16        'State', default="draft")
17    color = fields.Integer()
18    description = fields.Html()
19
20    def make_available(self):
21        self.write({'state': 'available'})
22
23    def make_lost(self):
24        self.write({'state': 'lost'})
25

```

feature-branch

Available logs: odoo.log

Logs

```
2020-11-15 21:16:21,905 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:21] "POST /web/dataset/call_k
2020-11-15 21:16:22,587 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:22] "GET /web/image?model=res_
2020-11-15 21:16:22,594 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:22] "POST /web/dataset/call_k
2020-11-15 21:16:22,596 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:22] "POST /mail/read_follower_
2020-11-15 21:16:22,600 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:22] "POST /web/dataset/call_k
2020-11-15 21:16:22,601 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:22] "POST /mail/get_suggested_
2020-11-15 21:16:22,602 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:22] "POST /web/dataset/call_k
2020-11-15 21:16:23,532 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:23] "POST /web/dataset/call_k
2020-11-15 21:16:23,545 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:23] "POST /mail/read_follower_
2020-11-15 21:16:23,552 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:23] "POST /web/dataset/call_k
2020-11-15 21:16:23,554 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:23] "POST /mail/get_suggested_
2020-11-15 21:16:23,555 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:23] "POST /web/dataset/call_k
2020-11-15 21:16:24,089 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:24] "POST /web/dataset/call_k
2020-11-15 21:16:24,134 6 INFO pga-odoo-odooshdemo-feature-branch-1698422 werkzeug: 103.47.104.62 - - [15/Nov/2020 21:16:24] "POST /web/dataset/call_k
```

pga-odoo-odooshdemo (pga-odoo/OdooshDemo)

Clone

git clone --recurse-submodules --branch feature-branch git@github.com:pga-odoo/OdooshDemo.git

main

This project is in trial mode, it's activated with a partnership code. The production branch will reset automatically in 30 days.

BACKUPS

Time (UTC)	Name	Version	Reason	Revision
2020-11-15 21:40:40	pga-odoo-odooshdemo-main-1698404	14.0	Manual	02d5affe
2020-11-15 21:36:54	pga-odoo-odooshdemo-main-1698404	14.0	Manual	02d5affe

Production ↗

main	Added new feature Parth Gajjar Age: a few seconds ago Duration: 0:00:00 build success	Added my_library module Parth Gajjar Age: an hour ago Duration: 0:00:18 build dropped	Added my_library module Parth Gajjar Age: 2 hours ago Duration: 0:30:47 build dropped	Added my_library module Parth Gajjar Age: 2 hours ago Duration: 0:57:19 build dropped
feature-branch	Added new feature Parth Gajjar Age: a minute ago Duration: 0:00:00 build success	Added my_library module Parth Gajjar Age: an hour ago Duration: 0:00:03 build dropped	Added my_library module Parth Gajjar Age: an hour ago Duration: 0:04:45 build dropped	



Status

The servers of the platform are continuously monitored. On this page is displayed a summary of our servers availability computed automatically from our monitoring.

All systems operational

100%	99.95%	99.98%	2.31Mb/s	5.61Mb/s
Av. uptime past day	Av. uptime past week	Av. uptime past month	Av. output data past day	Av. input data past day

Platform Servers	Status	Uptime past day	Uptime past week	Uptime past month
paasmaster.odoo.com	Online	100%	100%	100%
Production Servers	Status	Uptime past day	Uptime past week	Uptime past month
eupp27.odoo.com	Online	100%	99.8%	99.93%

Project Name

https://parthgajjar-odooshdemo.odoosh.com

This will change URLs for all future builds and for the production build.

Collaborators

Grant other Github users access to this project. User rights disable access to production data and the settings. Push privileges on the repository are handled on Github.

Github username	Add
pga-odoo (pga-odoo)	Admin
kig-odoo (kig-odoo)	User

Public Access

Expose the Builds page publicly, allowing visitors to connect to your development builds.

Allow public access

Module installation

All installed modules will be tested except if you select Full installation. This setting applies only to this development branch.

- Install only my modules
- Full installation (no test suite)
- Install a list of modules

Submodules

git@github.com: [REDACTED].git	
Fingerprint 36:d5:7f:8 [REDACTED] c5:26:e4:35:8f:ef	
Public key ssh-rsa AAAE [REDACTED] ADAQABAAQCAQC4UJldZ 	
git@github.com:odoo/enterprise.git	Add

*Configure the keys to fetch your private submodules.
This is only needed if you use private submodules in your repository branches.*

Database Workers

The database workers define how many concurrent requests can be handled simultaneously. It is necessary to have enough workers to serve all incoming requests as they arrive but having more doesn't speed up the requests' processing time.

As a rule of thumb, you should count about 1 worker per 25 users or 5000 daily visitors. It can vary much depending on the database usage and website.

Database Workers Worker(s)

⌚ Staging Branches

Staging branches allow you to test and validate features with production data.

Staging Branches

2

Staging Branch(es)

≡ Production Database Size

This project's production database has a size of **29.2 MB**. It consists of its PSQL Database of **21.9 MB** and its container filestore of **7.3 MB**. Please note the sizes displayed here are not real time.

The price per GB is fixed at **€0.2** per month. The natural database growth will automatically be synchronized with your subscription. You can provision more space should you need it for a large database import.

[show details](#) ↴

Storage Capacity

1

GB

Chapter 20: Remote Procedure Calls In Odoo

```
$ python3 version_info.py
{'server_version': '14.0', 'server_version_info': [14, 0, 0, 'final', 0, ''],
 'server_serie': '14.0', 'protocol_version': 1}
```

```
$ python3 books_data.py
Books ids: [1, 3, 4, 7, 8]
Books data: [{"id": 1, "name": "Odoo 12 Development Cookbook", "date_release": "2019-02-13"}, {"id": 3, "name": "PostgreSQL basics", "date_release": "2018-02-15"}, {"id": 4, "name": "MySQL basics", "date_release": "2018-02-15"}, {"id": 7, "name": "Odoo basics", "date_release": "2018-02-15"}, {"id": 8, "name": "Odoo 11 Development Cookbook", "date_release": "2018-02-15"}]
```

```
$ python3 books_operation.py
Books created: [18, 19, 20, 21]
Books written: True
Books unlinked: True
```

```
$ python3 books_method.py
Book state after method call: available
```

```
$ python3 jsonrpc_authenticate.py
Success: User id is 2
```

```
$ python3 jsonrpc_version_info.py
{'jsonrpc': '2.0', 'id': 583639034, 'result': {'server_version': '14.0',
 'server_version_info': [14, 0, 0, 'final', 0, ''], 'server_serie': '14.0',
 'protocol_version': 1}}
```

```
$ python3 jsonrpc_fetch_data.py
Search Reasult: {'jsonrpc': '2.0', 'id': 924727329, 'result': [1, 3, 4, 7, 8]}
Books Data: {'jsonrpc': '2.0', 'id': 855811251, 'result': [{'id': 1, 'name': 'Odoo 12 Development Cookbook', 'date_release': '2019-02-13'}, {'id': 3, 'name': 'PostgreSQL basics', 'date_release': '2018-02-15'}, {'id': 4, 'name': 'MySQL basics', 'date_release': '2018-02-15'}, {'id': 7, 'name': 'Odoo basics', 'date_release': '2018-02-15'}, {'id': 8, 'name': 'Odoo 11 Development Cookbook', 'date_release': '2018-02-15'}]}
```

```
$ python3 jsonrpc_operation.py
Books created: {'jsonrpc': '2.0', 'id': 21804281, 'result': [80, 81, 82, 83]}
Books written: {'jsonrpc': '2.0', 'id': 81603666, 'result': True}
Books deleted: {'jsonrpc': '2.0', 'id': 767449164, 'result': True}
```

```
$ python3 jsonrpc_access_rights.py
Has create access: True
```

```
$ python3 jsonrpc_method.py
Book created with id: 86
Book state after the method call: [{"id': 86, 'name': 'Book 1', 'state': 'available'}]
```

```
$ python3 odoorpc_library.py
Mitchell Admin
YourCompany
admin@yourcompany.example.com
Odoo 12 Development Cookbook 2019-02-13
PostgreSQL basics 2018-02-15
MySQL basics 2018-02-15
Odoo basics 2018-02-15
Odoo 11 Development Cookbook 2018-02-15
Book state before make_available: draft
Book state before make_available: available
```

Change My Preferences

x

Mitchell Admin



Preferences

Account Security

Authentication

[Change password](#)

⚠ Two-factor authentication not enabled

[Enable two-factor authentication](#)

Developer API Keys

[Documentation](#)

[New API Key](#)



[Save](#)

[Cancel](#)

New API Key

Name your key

Enter a description of and purpose for the key.

Key for Library

It is very important that this description be clear and co

Generate key

Cancel

API Key Ready

Write down your key

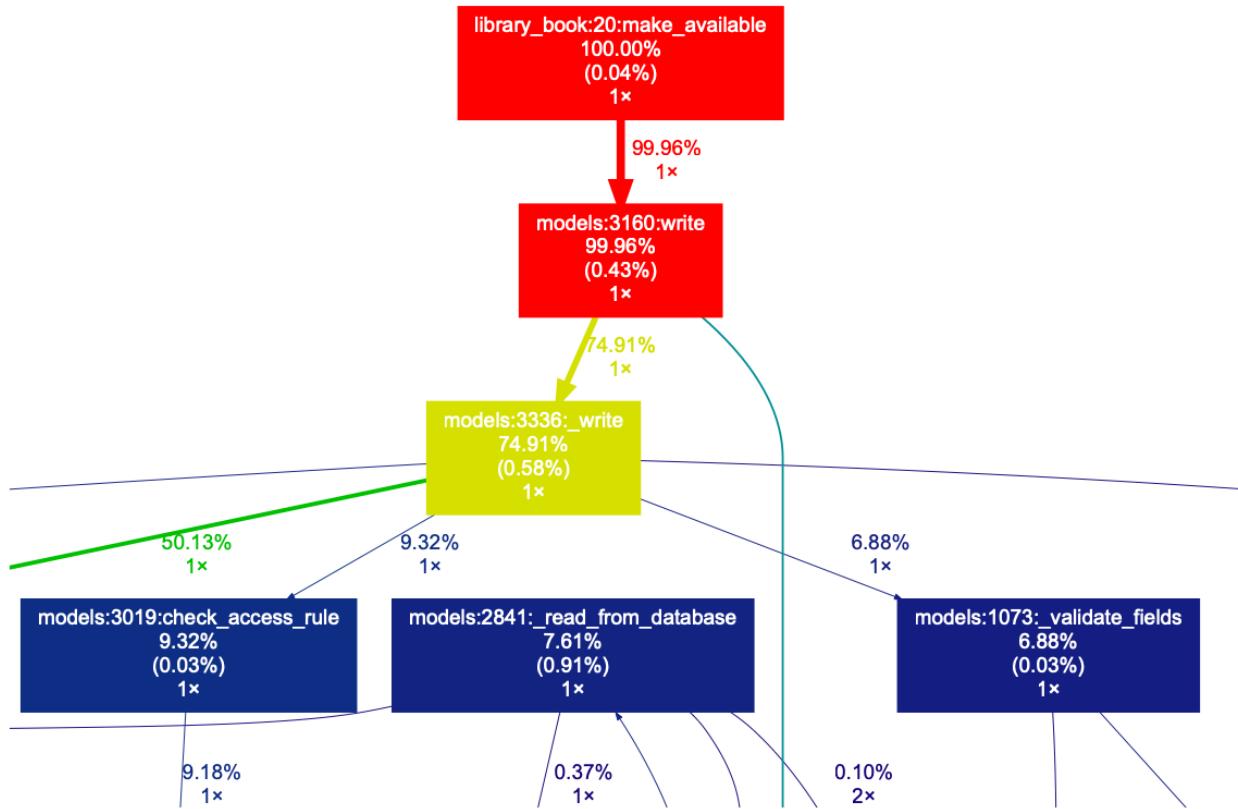
Here is your new API key, use it instead of a password for RPC access.

a3590fd04cccd3b67c4155dc645fca5e800e0e718 

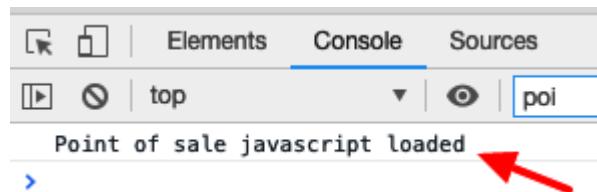
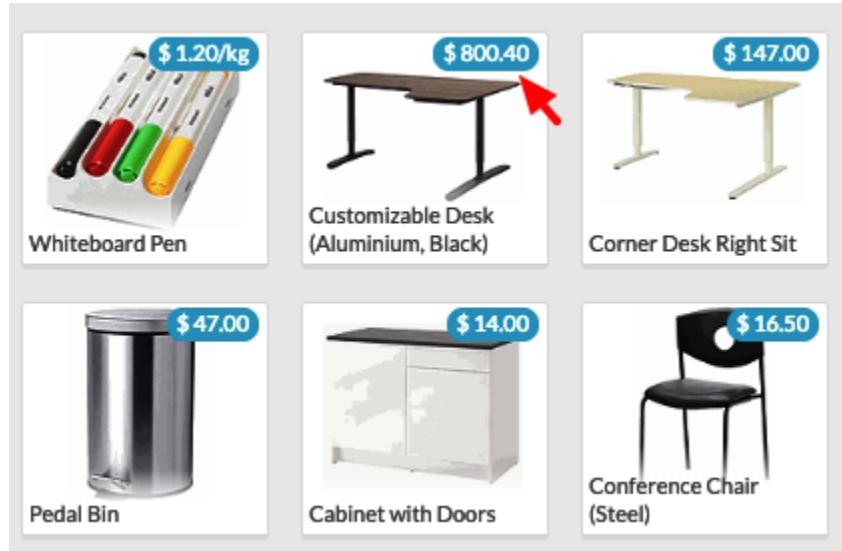
Important: The key cannot be retrieved later and provides **full access**

Done!

Chapter 21: Performance Optimization



Chapter 22: Point of Sale



odoo

1 Orders

Conference Chair (CONFIG) (Steel) \$ 15.68
1.00 Units at \$ 16.50 / Units
With a 5% discount ↗

Total: \$ 15.68
Taxes: \$ 0.00

5%Discount				
Customer	1	2	3	
	4	5	6	Qty
	7	8	9	Disc
	+/-	0	.	Price

LED Lamp \$ 0.90
1.000 kg at \$ 0.90 / kg

Search Products

Last 5 orders ↗

Shop/0018 - TOTAL: 52.7

Shop/0017 - TOTAL: 51.88

Shop/0005 - TOTAL: 38988.5

Shop/0004 - TOTAL: 800.4

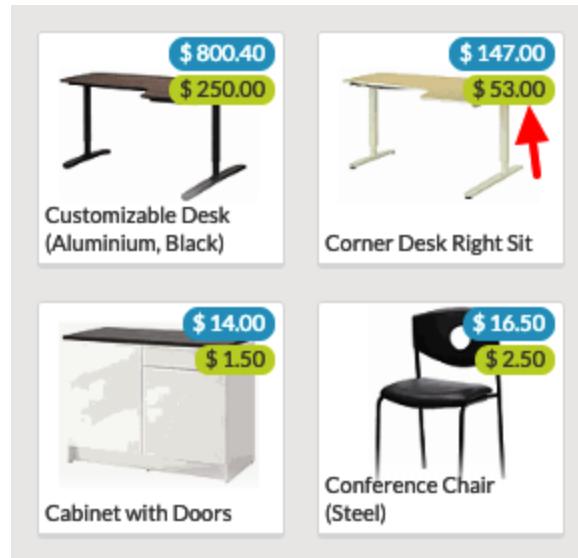
Shop/0003 - TOTAL: 147

Last orders ↘

Azure Interior 1
7 4 8 9 Price

Cancel

Desk Right Sit \$ 147.00
Large Cabinet \$ 320.00
\$ 47.00 Cabinet with Doors \$ 14.00
\$ 5.10/kg Desk Pad \$ 1.98/kg



odoo

1 Orders Search Products... X

Pedal Bin
1.00 Units at \$ 47.00 / Units
With a 99% discount ←

Total: \$ 0.47
Taxes: \$ 0.00

Warning ←

Product price set below cost of product.

Ok

5% Disc

Azure

Payment

4 5 6 Disc

7 8 9 Price

+/- 0 . ☒

Black) \$ 147.00 \$ -453.00

Corner Desk Right Sit

This screenshot shows the Odoo POS interface. A red warning box is overlaid on the screen, stating "Product price set below cost of product." with an "Ok" button. In the background, a sale for a Pedal Bin is being processed. The original price of \$47.00 is discounted by 99%, resulting in a total of \$0.47. A red arrow points to the original price of the Pedal Bin. The POS interface includes a numeric keypad and a payment method selection area.

Your logo

My Company (San Francisco)
Tel:+1 (650) 691-3277
info@yourcompany.example.com
<http://www.example.com>

Served by Mitchell Admin

Office Chair

70.00

Discount: 5%

5 x 66.50

332.50

TOTAL \$ 332.50

Cash 350.00

CHANGE \$ 17.50

Discounts \$ 17.50

Total Taxes \$ 0.00

You saved \$ 17.50 on this order.

Order 00001-103-0001
11/14/2020 22:28:21

Chapter 23: Managing Emails in Odoo

Discuss

External Email Servers
Use your own email servers

Alias mycompany.odoo.com
Domain

→ Incoming Email Servers
→ Outgoing Email Servers

Settings General Settings Users & Companies Translations Technical Mitchell Admin (book-db-14)

Save Discard

Test & Confirm Not Confirmed Confirmed

Name	My incoming server	Server Type	IMAP Server
Last Fetch Date			
Server & Login		Advanced	
Server Information		Login Information	
Server Name	imap.example.com	Username	pga@example.com
Port	143	Password	*****
SSL/TLS	<input type="checkbox"/>		
Actions to Perform on Incoming Mails			
Create a New Record	<input type="button" value=""/>		

Settings / Outgoing Mail Servers / New

Save Discard

Description	My smtp server	Priority	10
Active	<input checked="" type="checkbox"/>		

Connection Information

SMTP Server	smtp.example.com	SMTP Port	465
Debugging	<input type="checkbox"/>		

Security and Authentication

Connection Security	SSL/TLS
Username	pga@example.com
Password
<input type="button"/> Test Connection	

Send message Log note 0 Following 1

To: Followers of this document

 Send a message to followers...

Send

Today



Mitchell Admin - 3 minutes ago
library.book.rent created

Send message Log note Schedule activity 0 Following 1

Planned activities



Today: "Test" for Mitchell Admin
 Mark Done Edit Cancel



Due in 5 days: To Do for Mitchell Admin
Test

Mark Done Edit Cancel



Mitchell Admin - now [✉](#)

Dear Azure Interior,

You had rented the **Odoo Development Cookbook** book on 11/08/2020

The due date of book is **11/26/2020**.

Best regards,

Librarian



Mitchell Admin - now [✉](#)

Dear Azure Interior,

You had rented the **Odoo Development Cookbook** book on 11/08/2020

The due date of book is **11/26/2020**.

Best regards,

Librarian

Odoo

X

Recipients

Followers of the document and

Add contacts to notify... ▾

Subject

Reminder for book return



Dear Azure Interior,

You had rented the **Odoo 12 Development Cookbook** book on 03/08/2019
The due date of book is **03/11/2019**.

Best regards,
Librarian

[Attach a file](#)

Use template

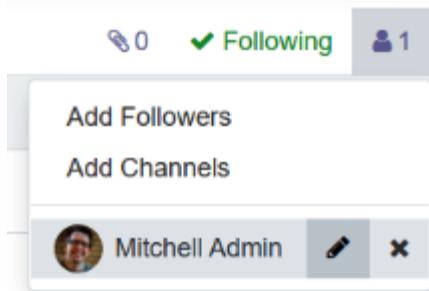
Book Return Reminder



[Send](#)

[Cancel](#)

[Save as new template](#)



My Library Books Book Categories Book on rent

Book on rent / library.book.rent,3

Edit Create Action 3 / 3 < >

Return the Book Send reminder Ongoing Returned

Book	Odoo 14 Development Cookbook	Rent Date	11/23/2020
Borrower	YourCompany, Mitchell Admin	Return Date	12/12/2020

Send message Log note ⏲ Schedule activity Today

Mitchell Admin - now
Dear Mitchell Admin,

You had rented the Odoo 14 Development Cookbook book on 11/23/2020
The due date of book is **12/12/2020**.

Best regards,
Librarian

Send message Log note ⏲ Schedule activity

Today

Mitchell Admin - now

- Return Date: November 26, 2020 → November 27, 2020
- Rent Date: November 8, 2020 → November 10, 2020

Mitchell Admin - now
library.book.rent created

Digest Emails / Your Odoo Periodic Digest

Edit Create

Action

1 / 1 ⏪

Unsubscribe me

Deactivate for everyone

Send Now

Activated

Deactivate

Your Odoo Periodic Digest

Periodicity Weekly

Next Send Date 11/09/2020

KPIs

Recipients

How to customize your digest?

General

Connected Users

Messages

Invoicing

Revenue

Library

Book Rent



Sales

All Sales

YourCompany

Connect

Your Odoo Periodic Digest

November 08, 2020

Connected Users

0

YESTERDAY

0

LAST 7 DAYS

0

LAST 30 DAYS

Book Rent

2

YESTERDAY

12

LAST 7 DAYS

0.0

LAST 30 DAYS

Chapter 24: Managing IoT Box



The screenshot shows the Odoo POS Client display. On the left, there's a sidebar with the 'odoo' logo and 'IoTBox'. In the center, it says 'POS Client display' and shows a table with 'Interface' (Wi-Fi) and 'IP' (10.11.12.1). Below the table, there are two notes: one about displaying the customer cart once a Point of Sale session starts, and another about requiring Odoo version 11 or above. On the right, there's a list of available Wi-Fi networks: IoTBox (selected), AndroidAP, Binatone, DIRECT-eJ-BRAVIA, Disturbia, freeinternet, J401, JioDongle2_504F3C, JioFi2_CD592F, Mantra, RB Patel, Sangita, Seven, Tenda_1A5418, TP-LINK_7ED3FE, and TP-LINK_A60E82. Each network entry has a lock icon and a signal strength icon. At the bottom, there are three buttons: 'Join Other Network...', 'Create Network...', and 'Open Network Preferences...'. A white arrow points from the 'Join Other Network...' button towards the 'IoTBox' network entry.

Home / Configure IoT Box

Configure IoT Box

1 → 2 → Done

Connect to Odoo Connect to Internet Done

IoT Box Name: my-IOTBox
Server token: Paste your copied token here
Server token is not mandatory for the community version.

Next

Help Documentation

Home / Configure IoT Box

Configure IoT Box

1 → 2 → Done

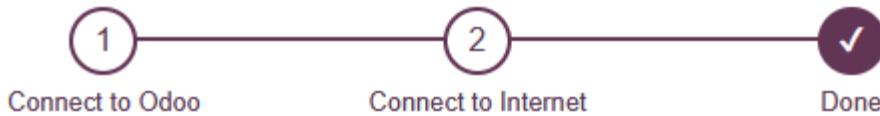
Connect to Odoo Connect to Internet Done

Wifi Network: TP-LINK_0C69B8
Password:

Previous **Connect**

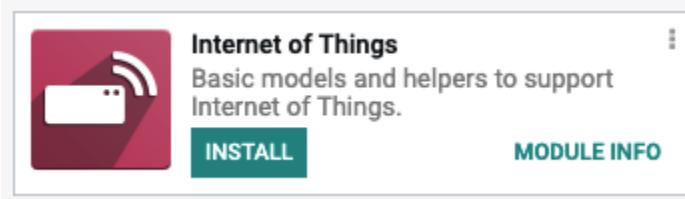
Help Documentation

Configure IoT Box



✓ Nice! Your configuration is done.

[Help](#) [Documentation](#)



Connect an IoT Box

x

0. Power on the IoT Box

A. Ethernet Connection

1. Read the pairing code from a display or thermal printer connected to the IoT Box.
2. Enter the code below and click on "Pair".

Pairing Code

PAIR

B. WiFi Connection (or Ethernet Connection doesn't work)

1. Make sure no ethernet cable is connected to the IoT Box
2. Copy the token that is below
3. Connect to the IoT Box WiFi network (you should see it in your available WiFi networks)
4. You will be redirected to the IoT Box Homepage
5. Paste the token in token field and follow the steps described on the IoT Box Homepage

Token

<http://192.168.0.106:8069|5670454368|3e6fed74-26ac-11eb-a80a-5cea1d9b5ee7>

COPY TEXT

CLOSE

Your IoT Box is up and running

Name	MyIoTBox	configure
Version	20.10	update
IP Address	192.168.0.100	
Mac Address	b8:27:eb:84:f5:0d	
Network	Wifi : TP-LINK_0C69B8	configure wifi
Server	http://192.168.0.106:8069	configure
Six payment terminal	Not Configured	configure
IOT Device	Displays	▼ handlers list
		POS Display Remote Debug Printers server Credential

[Help](#) [Documentation](#)

Configure Odoo Server

Paste the token from the Connect wizard in your Odoo instance in the Server Token field. If you change the IoT Box Name, your IoT Box will need a reboot.

IoT Box Name

Server Token

[Connect](#)

Your current server **Not configured yet**

You can clear the server configuration [Clear](#)

[Help](#) [Documentation](#)

IoT Boxes Devices

CONNECT

Search...

Filters Group By Favorites

1-3 / 3

MyIoTBox
http://192.168.0.100:8069

Shop	Workshop	MyIoTBox
http://0.0.0.0:8069	http://1.1.1.1:8069	http://192.168.0.100:8069
5 🏷	3 🏷	1 🏷

Configure IoT Box

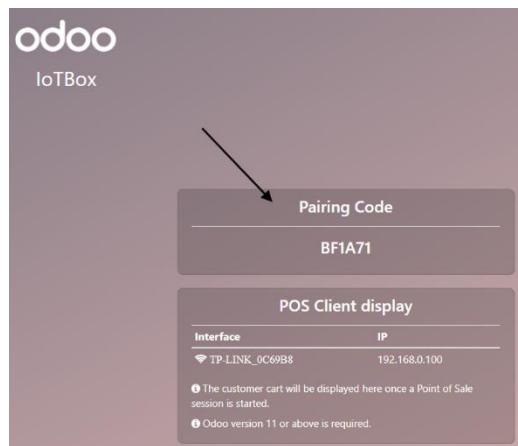


IoTBox Name

Server token

Next

[Help](#) [Manual](#)



Configure Odoo Server

Paste the token from the Connect wizard in your Odoo instance in the Server Token field. If you change the IoT Box Name, your IoT Box will need a reboot.

IoT Box Name	<input type="text" value="AssemblyIoTBox"/>
Server Token	<input type="text"/>
<input type="button" value="Connect"/>	

Your current server <http://192.168.43.190:8069>

You can clear the server configuration

[Clear](#)



[Help](#) [Manual](#)

Your IoT Box is up and running

Name	MyIoTBox	configure
Version	20.10	update
IP Address	192.168.0.100	
Mac Address	b8:27:eb:84:f5:0d	
Network	Wifi : TP-LINK_0C69B8	configure wifi
Server	http://192.168.0.106:8069	configure
Six payment terminal	Not Configured	configure
IOT Device	Displays	▼ handlers list 
		POS Display Remote Debug Printers server Credential

[Help](#) [Documentation](#)

Interfaces list

SerialInterface.py
DisplayInterface.py
SocketInterface.py
USBInterface.py
BTInterface.py
Cameralnterface.py
PrinterInterface.py

Drivers list

CameraDriver.py
KeyboardUSBDriver.py
SerialBaseDriver.py
SerialSylvacDriver.py
PrinterDriver.py
DisplayDriver.py
SylvacBtDriver.py
SerialScaleDriver.py
IngenicoDriver.py

[Load handlers](#)

You can clear the handlers configuration

[Clear](#)

IOT Device

Devices

display : GSM-LG_IPS_FULLHD
state 0x12000a [HDMI CEA (16) RGB lim 16:9], 1920x1080 @ 60.00Hz, progressive
UVC Camera (046d:081b) (usb-3f980000.usb-1.3):
UVC_Camera_046d081b_usb3f980000usb13 :
China Resource Semico Co., Ltd
usb_1a2c:0e24 :



drivers list

POS Display

Remote Debug

Printers server

IoT		
Devices	IoT Boxes	Devices
Receipt Printer Shop Disconnected	USB Keyboard Workshop Disconnected	Distant Display MyIoTBox Connected
Barcode Scanner Shop Disconnected	Camera Workshop Disconnected	
Payment Terminal Shop Disconnected	Caliper Workshop Disconnected	
Scale Shop Disconnected		

Book on rent / library.book.rent,1

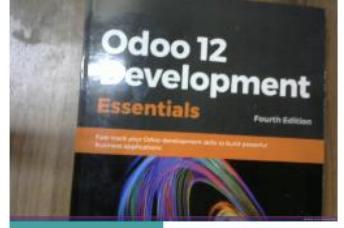
SAVE **DISCARD**

1 / 1 < >

RETURN THE BOOK SEND REMINDER SEND REMINDER (QWEB)

ONGOING RETURNED

Book
Borrower
IoT Device
Picture

Odoo 12 development essentials
Azure Interior
[AssemblyIoTBox] UVC Camera (046d:08)


Rent Date
03/17/2019
Return Date

TAKE A PICTURE

Send message Log note

0 Following 2

Today



YourCompany, Mitchell Admin - an hour ago

- State: Ongoing
- Rent Date: March 17, 2019

[Home](#) / Remote Debugging

Remote Debugging

This allows someone to gain remote access to your IoT Box, and thus your entire local network. Only enable this for someone you trust.

Authentication Token

Enable Remote Debugging

[Help](#) [Manual](#)



Point of Sale

Shop

Unused

NEW SESSION

View	Reporting
Sessions	Orders
Sales Orders	

Settings 

Connected Devices

IoT Box
Connect devices using an IoT Box

Receipt Printer	[Shop] Receipt Printer	
Cashdrawer	<input checked="" type="checkbox"/>	
Customer Display	[Shop] Customer Display	
Barcode Scanners/Card Readers		
Electronic Scale		

→ IoT Devices

Barcodes
Use barcodes to scan products, customer cards, etc.

Barcode Nomenclature	Default Nomenclature	
----------------------	----------------------	---

Shop disconnected 

Disconnected 



Close

Connected Devices

IoT Box
Connect devices using an IoT Box

IoT Box IP Address

Barcode Scanner/Card Reader

Electronic Scale

Receipt Printer

Customer Display

Your IoT Box is up and running

Name	MyIoTBox	configure
Version	20.10	update
IP Address	192.168.0.100	
Mac Address	b8:27:eb:84:f5:0d	
Network	Wifi : TP-LINK_0C69B8	configure wifi
Server	http://192.168.0.106:8069	configure
Six payment terminal	Not Configured	configure
IOT Device	Displays	
	handlers list	

[POS Display](#)

[Remote Debug](#)

[Printers server](#)

[Credential](#)



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Name	Delivery Slip
Report Type	PDF
IoT Device	[Shop] Printer
Paper Format	

