


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 ×

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

Country

Demo data

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

See our [Privacy Policy](#).

Continue

Duplicate Database



Database Name

odoo-test

New Name

Continue

Delete Database



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

Apps

 CRM <i>crm</i> Install Learn More	 Website <i>website</i> Install Learn More
 Barcode <i>stock_barcode</i> Upgrade Learn More	 Invoicing <i>account</i> Installed Learn More

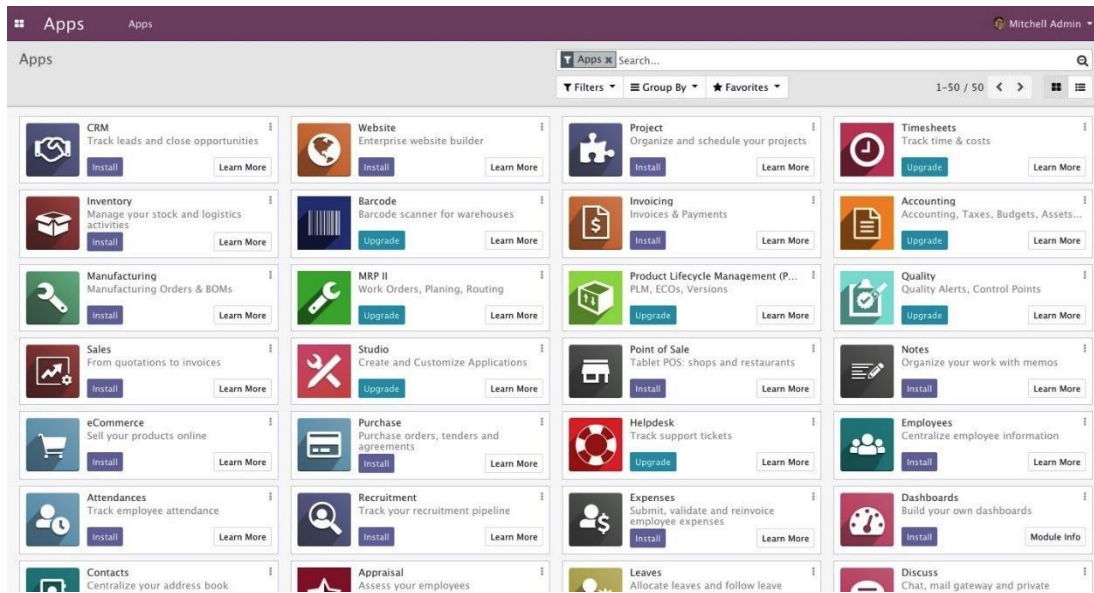
Module Update

Module Update Result

Click on Update below to start the process...

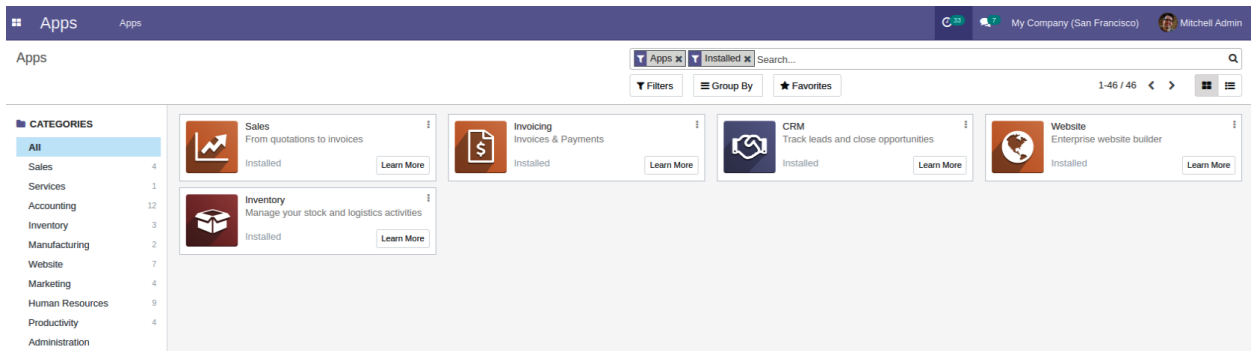
[Update](#) [Cancel](#)

Chapter 2: Managing Odoo Server Instances



Odoo Server Error - Warning

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



Apps

Module: **crm or sale** Search...

Filters Group By Favorites 1-6/6

CATEGORIES

- All
- Sales
- Services
- Accounting
- Inventory
- Manufacturing
- Website
- Marketing
- Human Resources
- Productivity
- Administration

Sales From quotations to invoices. Installed. [Module Info](#) [Learn More](#) [Upgrade](#)





Subscriptions MRR, Churn, Recurring. [Upgrade](#) [Learn More](#) [Uninstall](#)

CRM Track leads and close opportunities. Installed. [Learn More](#)

eBay Connector Sell on eBay easily. [Upgrade](#) [Learn More](#)

Point of Sale User-friendly PoS interface for shops and restaurants. Installed. [Learn More](#)

eCommerce Sell your products online. Installed. [Learn More](#)

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

Chapter 3: Creating Odoo Add-On Modules

The screenshot displays the Odoo Apps interface. At the top, there's a navigation bar with 'Apps' and 'Apps' labels, along with user information 'Mitchell Admin'. Below this, a search bar and filter options are visible. The main content area is divided into four columns: Accounting, Discuss, After-Sales, and Manufacturing. Each column contains a list of installed modules. A red arrow points to the 'Accounting' category header, labeled 'Main App'. Another red arrow points to the 'Sale & Purchase Vouchers' module, labeled 'Extension Apps'. Other modules in the 'Accounting' column include 'Account Analytic Defaults', 'Account Bank Statement Imp...', 'Import CAMT Bank Statement', 'Import CSV Bank Statement', and 'Batch Payment'. The 'Discuss' column includes 'Discuss', 'OdooBot for livechat', 'OdooBot', and 'Mail Enterprise'. The 'After-Sales' column includes 'Helpdesk', 'Helpdesk: Knowledge Base', 'Website IM Livechat Helpdesk', 'Website Slides Helpdesk', and 'Helpdesk Timesheet'. The 'Manufacturing' column includes 'Manufacturing', 'Master Production Schedule', 'MRP features for Quality Con...', 'Full Traceability Report Demo...', 'Quality Base', 'MRP features for Quality Con...', and 'MRP Byproducts'.

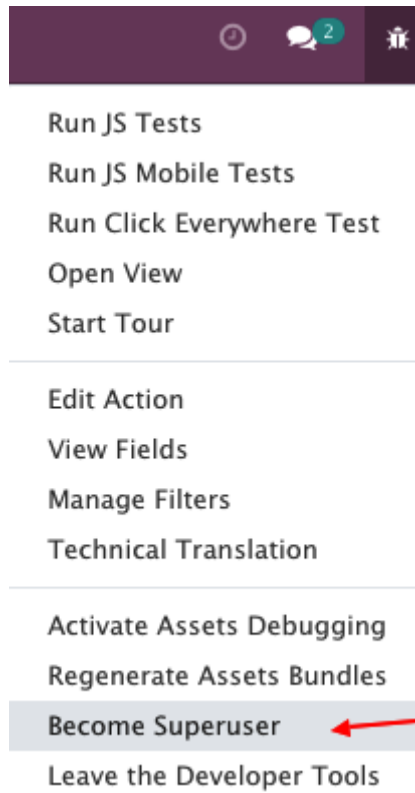
Category	Module Name	Description	Status
Accounting	Accounting	Manage financial and analytic accounting	Installed
	Sale & Purchase Vouchers	Manage your debts and credits thanks to simple sale/purchase receipts	Installed
	Account Analytic Defaults		Installed
	Account Bank Statement Imp...		Installed
	Import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

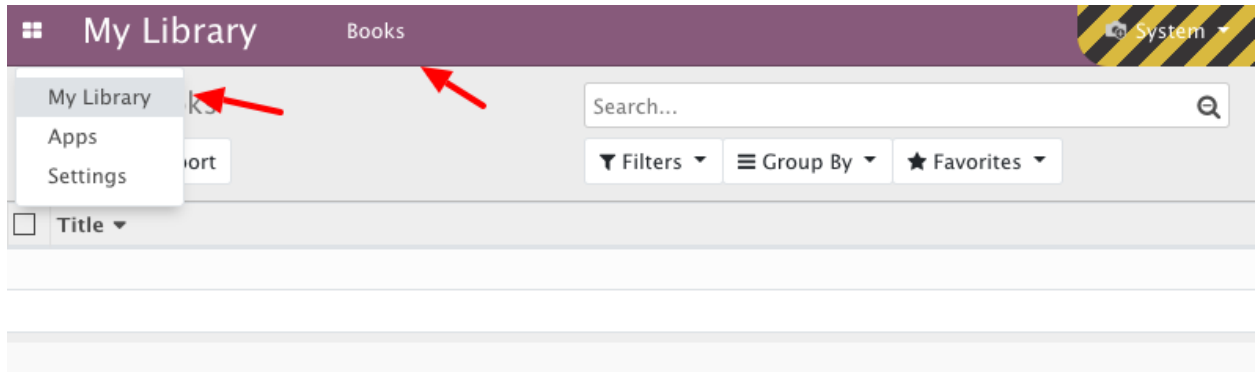
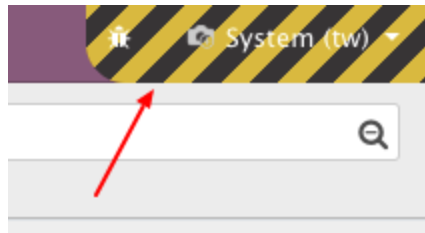
★ Module Update

Module Update Result

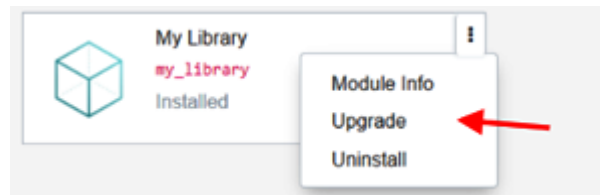
Click on Update below to start the process...

[Update](#) [Cancel](#)





Chapter 4: Application Models



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

Decimal Accuracy / New

Save Discard

Usage Book Price Digits 2

Retail Price

\$0.00

Currency

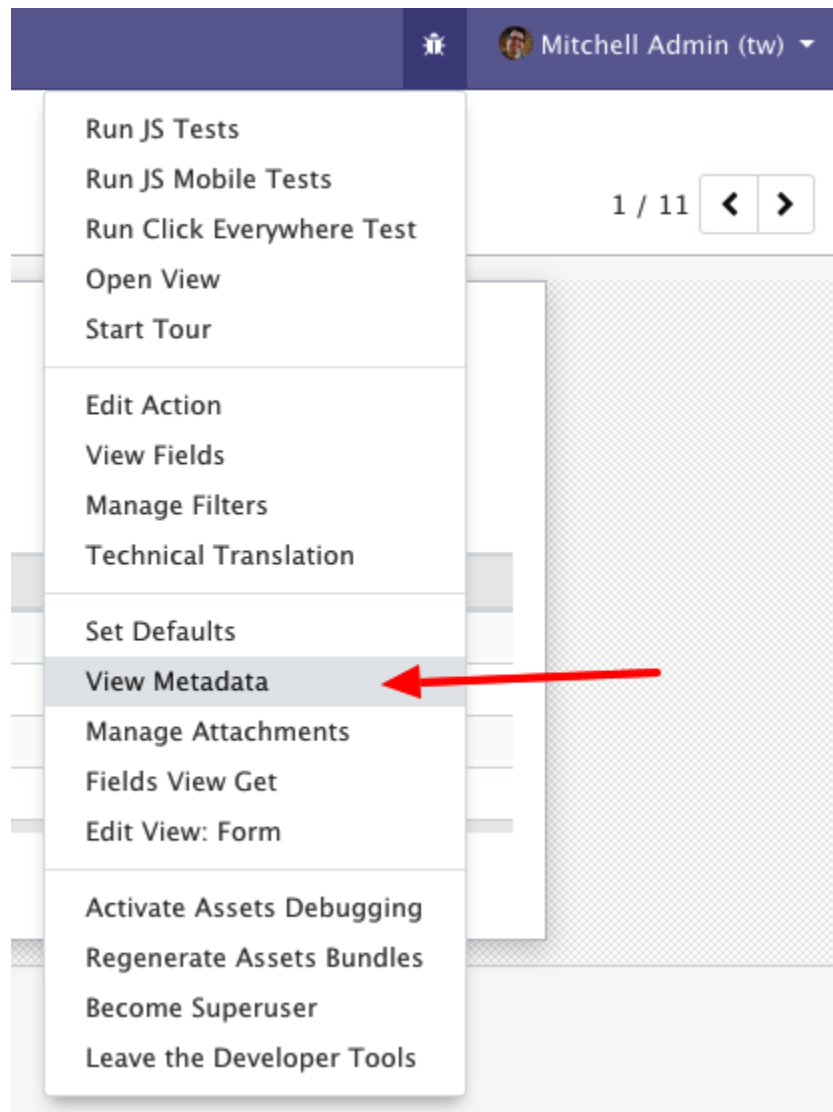
USD



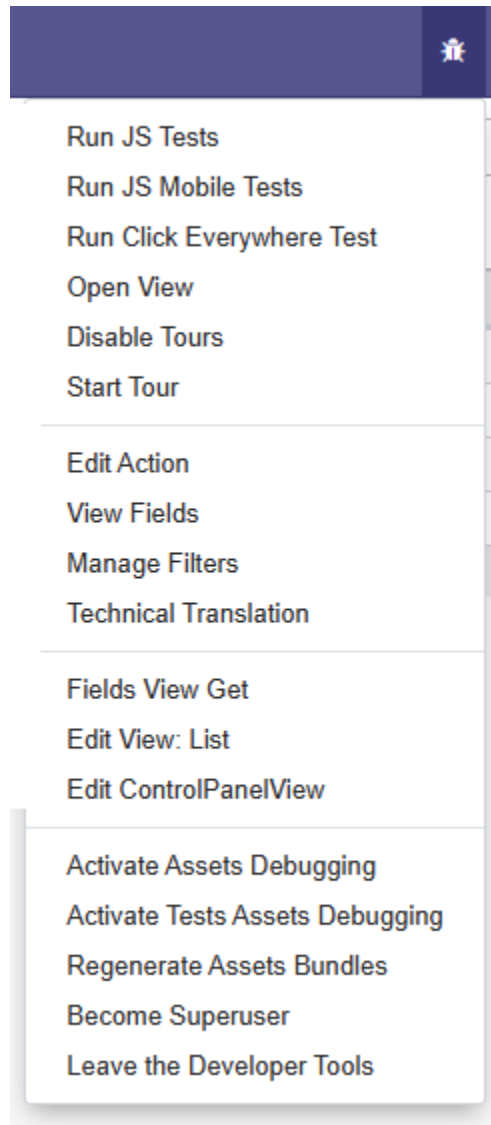
Chapter 5: Basic Server-Side Development

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:

Abort

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

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

6 ms

2. failed

@ 1 ms

```
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



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

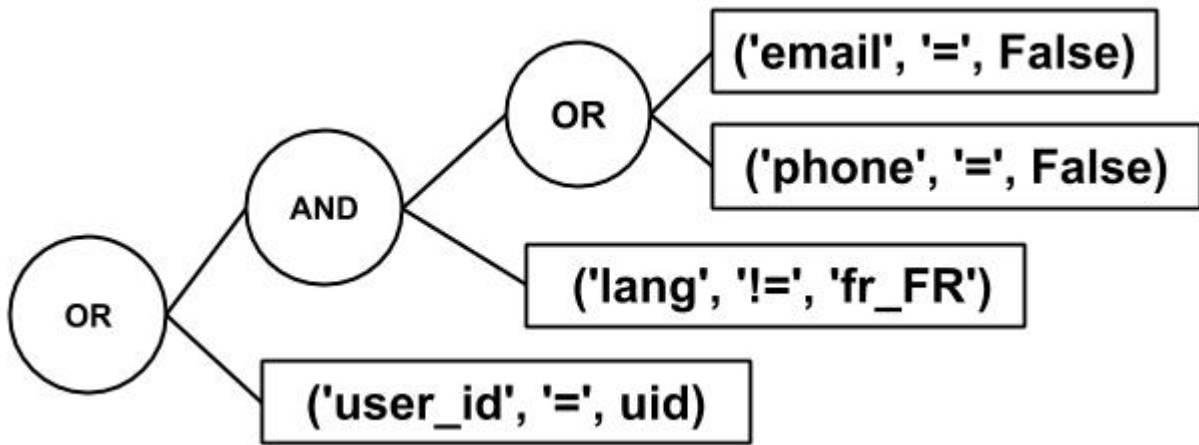
Save Discard 1 / 2

Open commercial partner

Content

Name: Azure Interior

Tags: Services



Purchase Purchase Control Reporting Configuration

Vendor Bills / Vendor Bill

VALIDATE CANCEL SEND FILE THROUGH OCR DRAFT OPEN PAID

Vendor Bill

Vendor: Azure Interior Bill Date: 11/01/2018

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

Vendor Bill PDF Preview

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 ₹	
200,000.00 ₹					
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 Internal Groups x Search...

Create Import

Filters Group By

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

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

Access Rights Object library.book x Search...

Create Import Filters Group By Favorites 1-2 / 2 < >

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

Application Administration Name Action

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

Record Rule library Search...

Create Import

Filters Group By Favorites 1-2 / 2 < >

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

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

Document Template
Choose your document's header and footer layout

Template

→ 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 ×

Language

French (BE) / Français (BE) ▼

Overwrite Existing
Terms



Add

Cancel

✦ Language Pack ×

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

Close

Switch to French (BE) / Français (BE) & Close

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

Save Discard

2 / 85 < >

Activate and Translate

Name French (BE) / Français (BE)

Locale Code fr_BE ISO code fr_BE 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

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

Groups

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

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

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"/> Translively inherits	Hérite transitivement	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

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

Groups / Administration / Access Rights

Save Discard 1 / 14 < >

Application: Administration Name: Access Rights EN

Share Group:

Users Inherited Menus Views Access Rights Record Rules 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



Export Settings

Language

New Language (Empty translation template) ▾

File Format

PO File ▾

Apps To Export

Discuss ✕ ▾

Export

Cancel

✦ Import Translation



Language Name

Spanish

Code

es_ES

File

Upload your file

Overwrite Existing
Terms

Import

Cancel

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]

URL Code

fr-custom

Decimal Separator

,

Active



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 Rent Date 12/01/2018

Borrower Return Date

My Library Books Book Categories Book on rent Mitchell Admin

Book on rent Search...

Create Import Filters Group By Favorites

Draft On rent Due Completed 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** +

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

Lost (0)

Edit
Delete

Parth Gajjar
Odoo 12 development cookbook
Odoo Premium
★★★★

Edit
Delete

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** +

3 4 0 2

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

Lost (0)

Server Actions / New

Save Discard

Create Contextual Action

Action Name
e.g. Update order quantity

Model [] Action To Do Update the Record

Data to Write Security

Please set the Model to Create before choosing values

Field	Evaluation Type	Record	Value
Add a line			

Server Actions / Set Priority

Save Discard

17 / 18

Create Contextual Action

Action Name
Set Priority

Model Task Action To Do Update the Record

Data to Write Security

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

Projects / Tasks / Meeting Room Furnitures

Edit Create

1 / 7

Share

- Action
- Delete
- Duplicate
- Set Priority

Meeting Room Furnitures

Project Office Design

Assigned to Marc Demo

Deadline Tags

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-node; 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='nt_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

Trigger Date 3 record(s) Edit Domain
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 a client action.

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

Add a line

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
Next Execution Date 07/31/2020 01:11:07
Number of Calls -1
Priority 5
Repeat Missed

Python Code Security Help

```
node1._check(True)
```

Automated Actions / Validate Closing Taks

Save Discard 10 / 10

Action Name: Validate Closing Tasks

Model Task

Active

Trigger Condition On Update

Field Name	Field Label	Model	Field Type	Type	Indexed	Stored	Readonly	Object Relation
stage_id	Stage	Task	many2one	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



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

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

Edit

Create

Print

Action

2 / 2



Book Rents

Parth Gajjar



Address Type
Company Address
Tax ID

Contact

Job Position
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

Available **Borrowed** Lost

📖 **1** Rent Orders ➔

Action ▾

Archive ➔

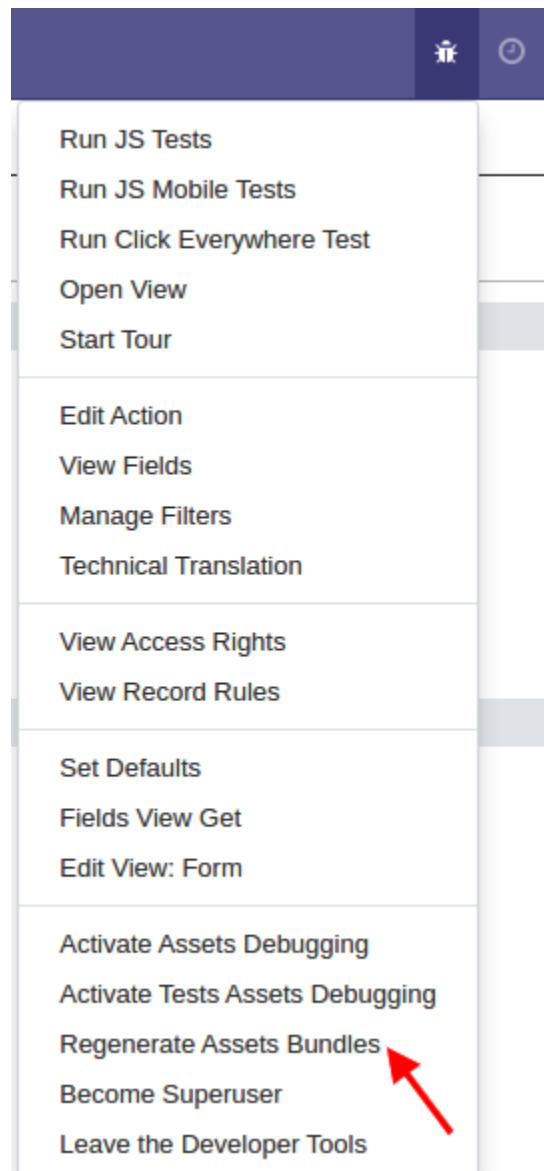
Delete

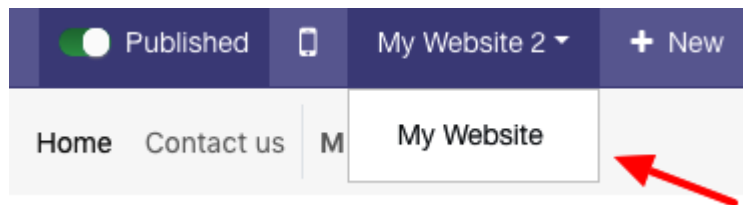
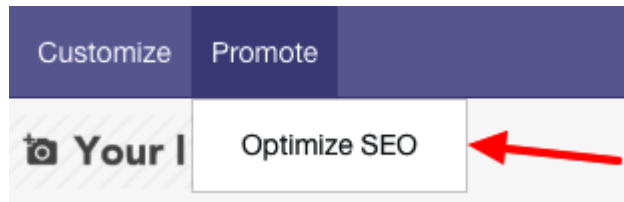
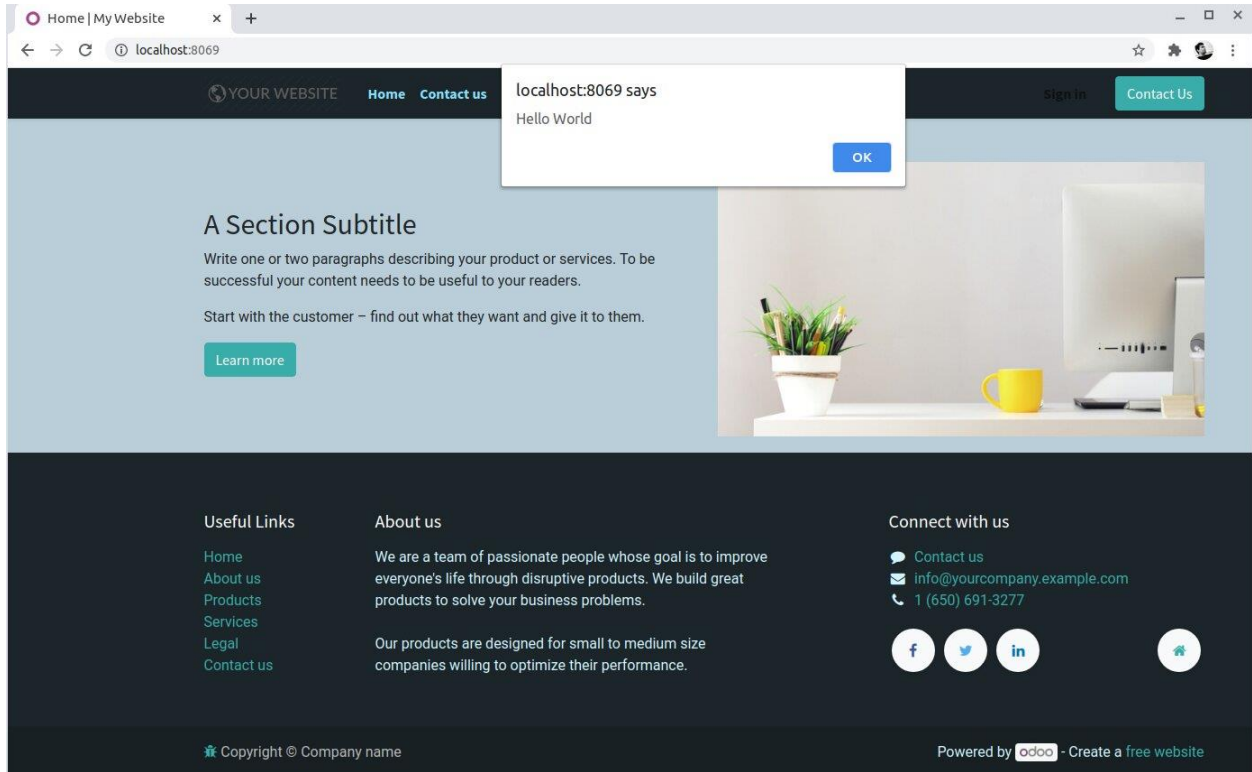
Duplicate

Chapter 13: Web Server Development



No images...

Chapter 14: CMS Website Development





Name	<input type="text" value="Old Library URL"/>	Website	<input type="text"/>
Action	<input type="text" value="301 Moved permanently"/>	Active	<input checked="" type="checkbox"/>
URL from	<input type="text" value="/library"/>	Sequence	<input type="text" value="0"/>
URL to	<input type="text" value="/books"/>		

 Unpublished  My Website ▾

Mitchell Admin ▾ [Contact Us](#)

Chapter 15: Web Client Development

Release Date

Color ● ● ✓ ● ● ● ● ● ●



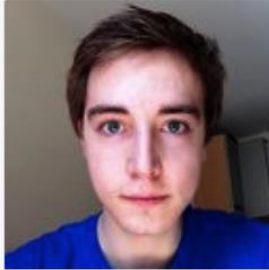

Short Title

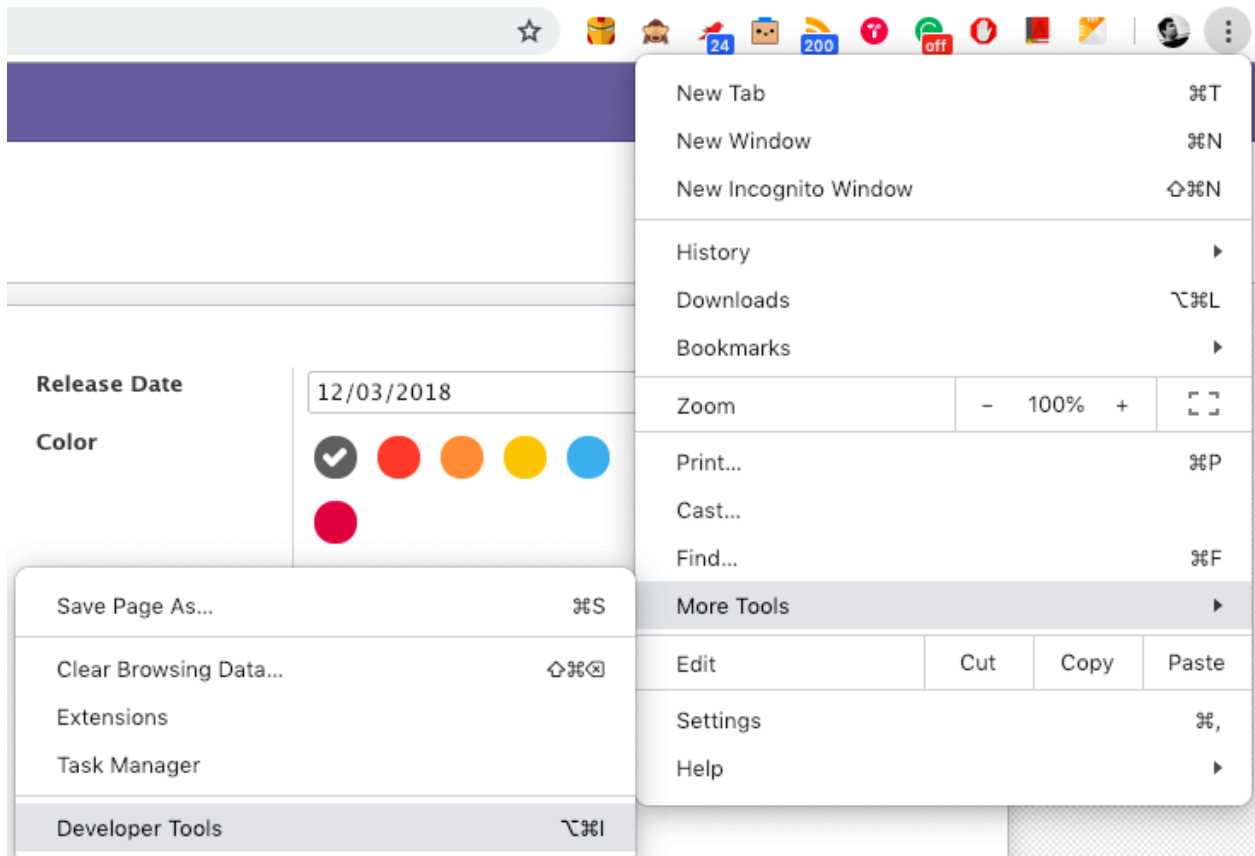
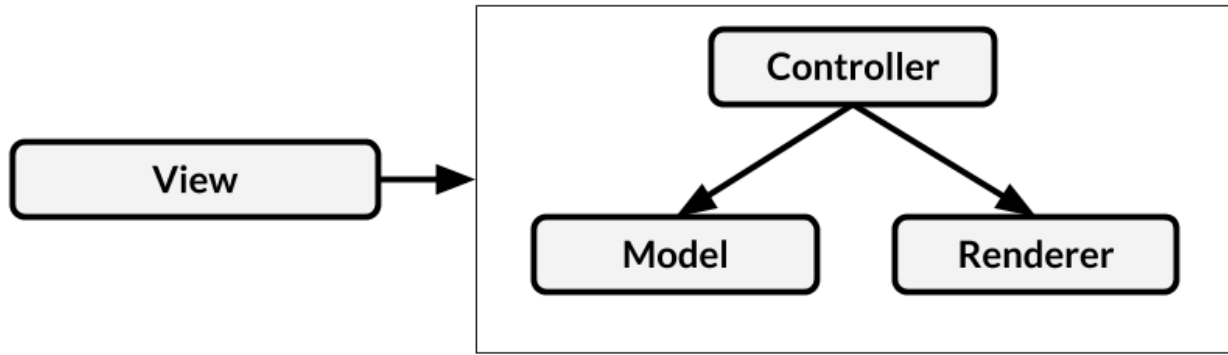
Release Date

Color ● ● ● ● ● ● ● ● ● ✓

My Library Books Mitchell Admin

Library Books Filters Favorites

 <p>Wood Corner, Ron Gibson</p> <ul style="list-style-type: none">Learn CSS in 5 daysHTML Basics <p>View books</p>	 <p>Ready Mat, Billy Fox</p> <ul style="list-style-type: none">Python basicsLearn CSS in 5 days <p>View books</p>	 <p>Interior, Brandon Freeman</p> <ul style="list-style-type: none">Javascript basicsPostgreSQL in details <p>View books</p>	 <p>Deco Addict, Addison Olson</p> <ul style="list-style-type: none">Javascript basicsPython basicsPostgreSQL in details <p>View books</p>
---	--	--	--



My Library Books

Library Books / Python basics

Edit Create Action

1 / 1 < >

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

Loading (1)

Elements Console Sources Network Performance Memory Application Security Audits AdBlock

Page Filesystem m2m_group_controller.js m2m_group_renderer.js field_widget.js x

```

23 this.colorGroupData = {};
24 var colorDataDef = this._rpc({
25   model: this.model,
26   method: 'read_group',
27   domain: [],
28   fields: ['color'],
29   groupBy: ['color'],
30 });
31 }).then(function (result) {
32   _each(result, function (r) {
33     self.colorGroupData[r.color] = r.color_count;
34   });
35 });
36 return $.when(this._super.apply(this, arguments), colorDataDef);
37 },
38 _renderEdit: function () {
39   this.$el.empty();
40   debugger;
41   var pills = qweb.render('FieldColorPills', {widget: this});
42   this.$el.append(pills);
43   this.$el.find('[data-toggle="tooltip"]').tooltip();
44 },
45 _renderReadonly: function () {
46   var className = "o_color_pill active readonly o_color_" + this.value;
47   this.$el.append($([<span>
48     'class': className,
49   ]));

```

Debugger paused

Call Stack

- _renderEdit field_widget.js:39
- _render abstract_field.js:416
- (anonymous) abstract_field.js:204
- (anonymous) jquery.js:3276
- fire jquery.js:3119
- add jquery.js:3165
- (anonymous) jquery.js:3275
- each jquery.js:383
- (anonymous) jquery.js:3272
- Deferred jquery.js:3332
- then jquery.js:3271

Discuss

- Discuss
- My Library Manage books and authors in Library app.
- Apps
- Settings

HD 4G 10:32 PM

New

SAVE DISCARD

Title
My book

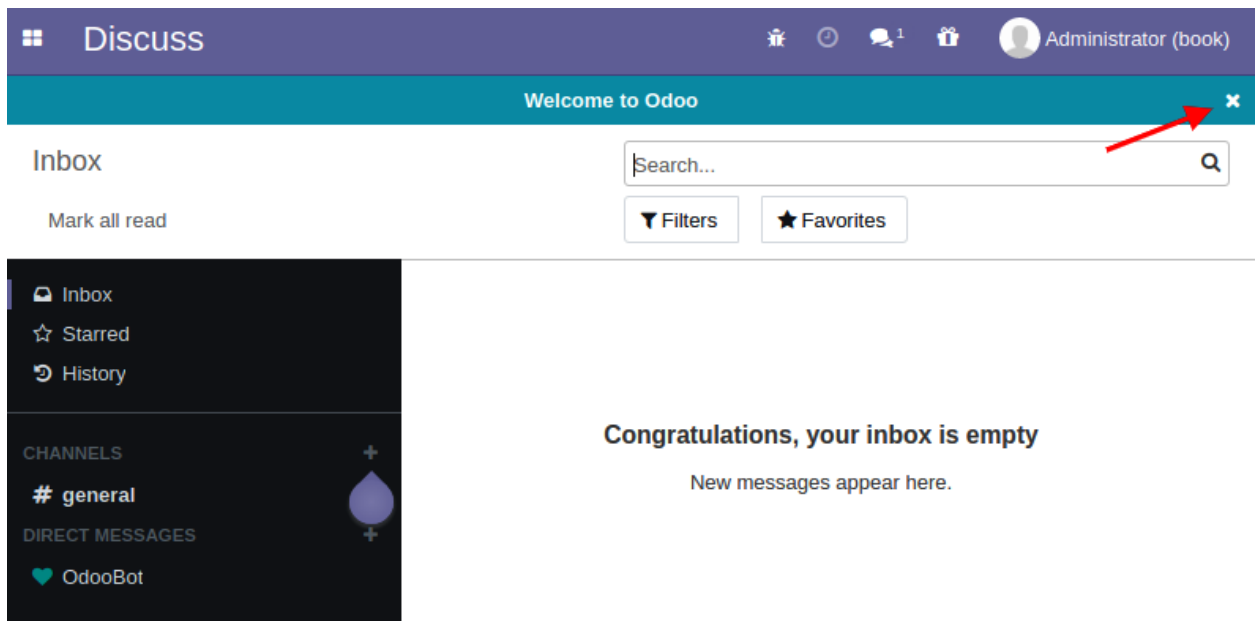
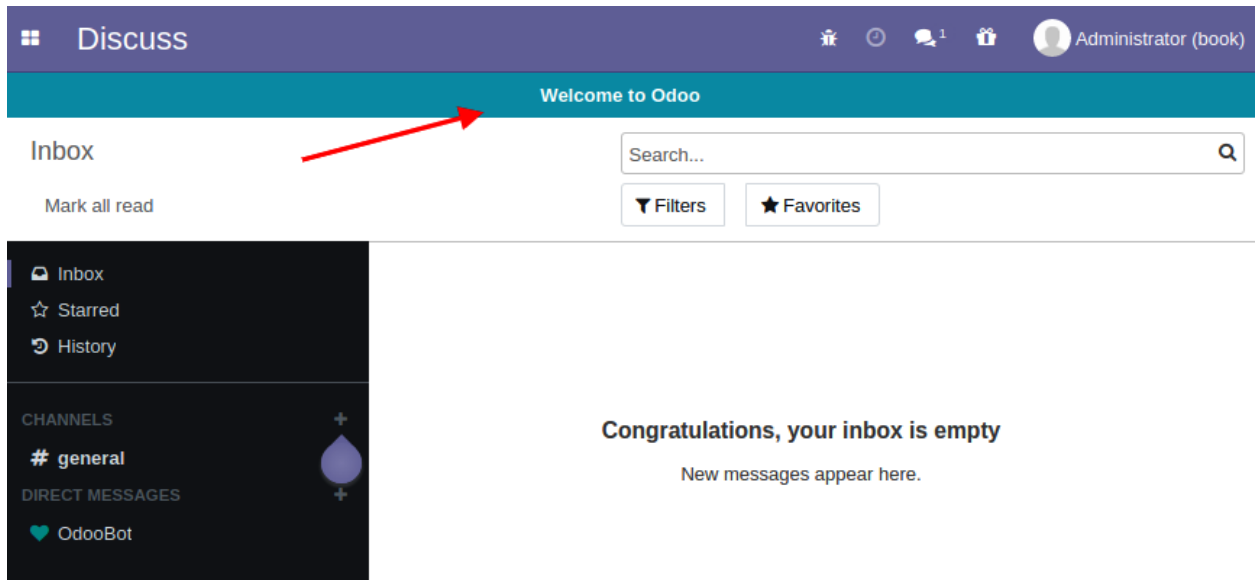
Authors

Release Date

Color

Color changed

Chapter 16: The Odoo Web Library (OWL)



Inbox Search...

Mark all read Filters Favorites

Inbox

Starred

History

CHANNELS

general

DIRECT MESSAGES

OdooBot

Congratulations, your inbox is empty

New messages appear here.

Console Elements Sources Network Performance Memory Application

top Default levels

- 9 messages
- 8 user messages
- No errors
- 1 warning
- 8 info
- No verbose

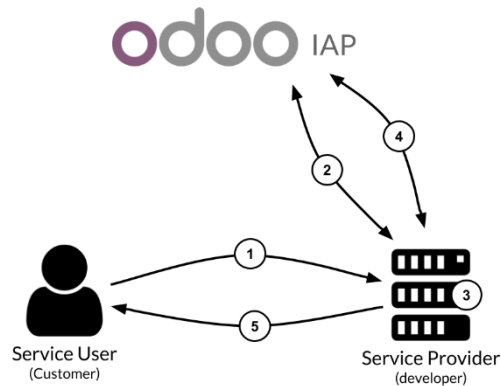
```
CALLED:> constructor
CALLED:> willStart
CALLED:> mounted
CALLED:> willPatch
CALLED:> patched
CALLED:> willUnmount
```

Short Title

Release Date

Color

Chapter 17: In-App Purchasing with Odoo



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



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 [redacted] 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](#)

Edit pack

Pack Name

50 Books Info

Description

50 Books request in 10 Euro

Pack Icon



No file chosen

Amount

50.0

Books info

Price

10.0

€

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

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](#)

Book info / Odoo 12 Development Cookbook

[Edit](#) [Create](#) [Action](#) 2 / 2 < >

Odoo 12 Development Cookbook



ISBN: 9781789532470 Release Date: 04/20/2019

Authors: [Parth Gajjar](#) [Alexandre Fayolle](#) [Daniel Reis](#) [Holger Brunn](#)

System Parameters / New

Save Discard

Key	iap.endpoint
Value	https://iap-sandbox.odoo.com


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 

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:

<p>50 Books Info</p>  <p>Books info: 50.00 Price: 10.00 €</p> <p>Buy</p>	<p>100 Books Info</p>  <p>Books info: 100.00 Price: 18.00 €</p> <p>Buy</p>
--	---

Settings General Settings Users & Companies Translations Tech

Settings

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

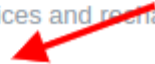
 General Settings

In-App Purchases

Odoo IAP ? ?

View your IAP Services and recharge your credits

[→ View My Services](#)



Insufficient Balance

×

You do not have enough credits to submit this request.

Recharge your IAP account and try again.

Buy credits

Cancel


Insufficient Balance

×

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.

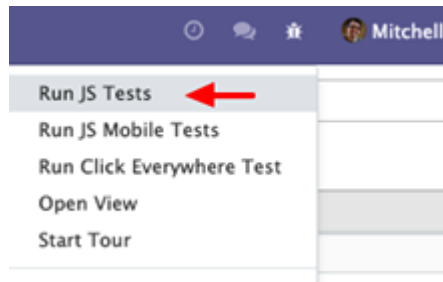
 With cover image

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

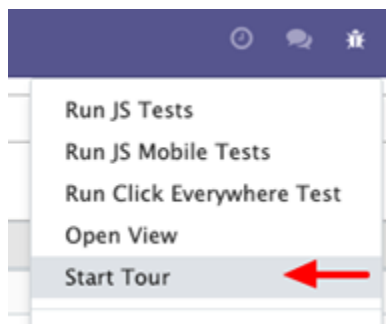
Filter: Go Module: All modules

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: Abort

fields > relational_fields > FieldStatus: clickable statusbar widget on many2one field

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.runbot35.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

×

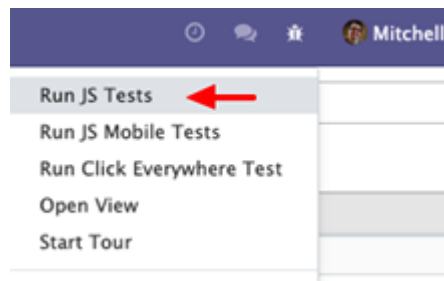
Onboarding tours

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

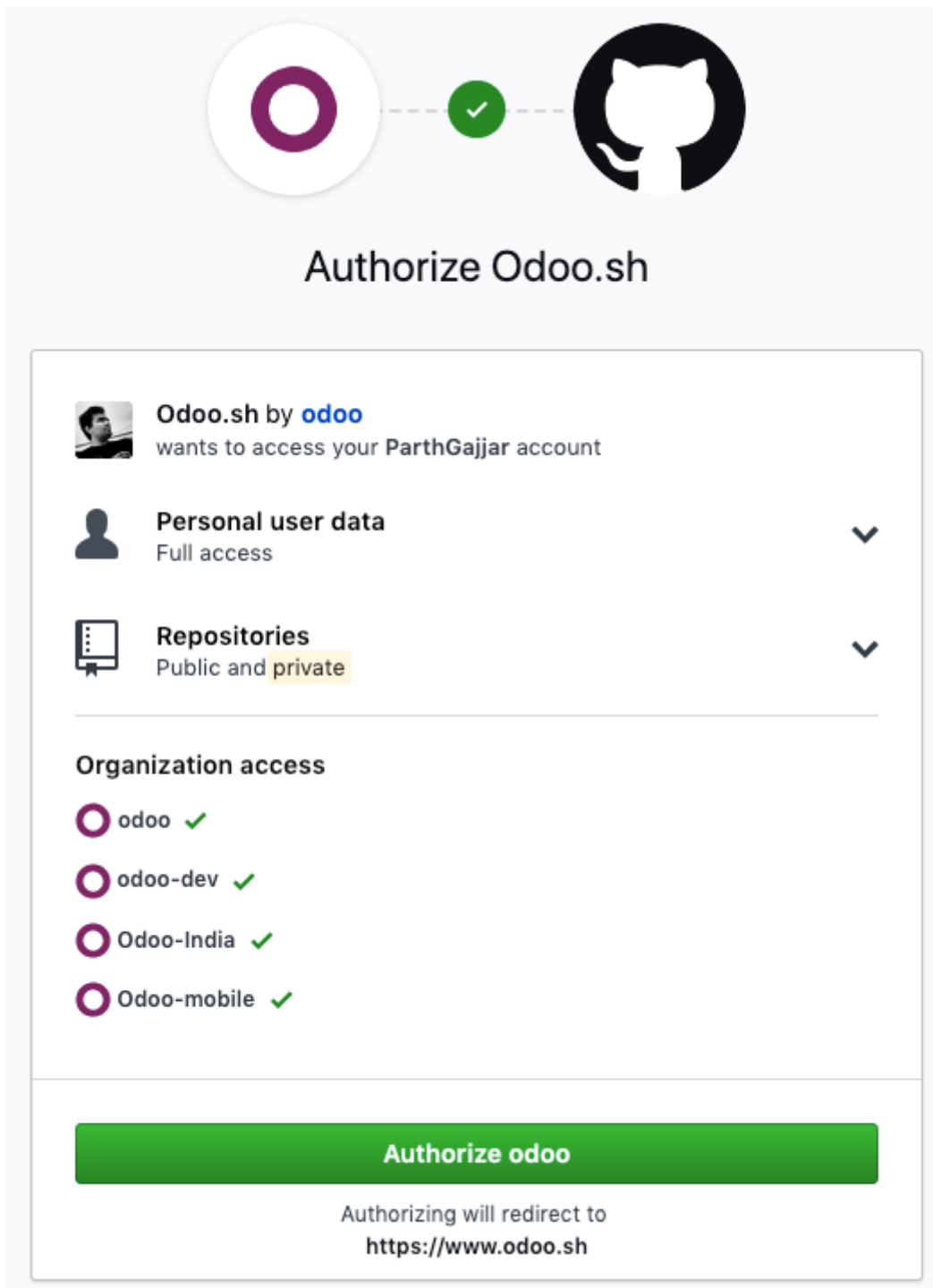
Testing tours

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



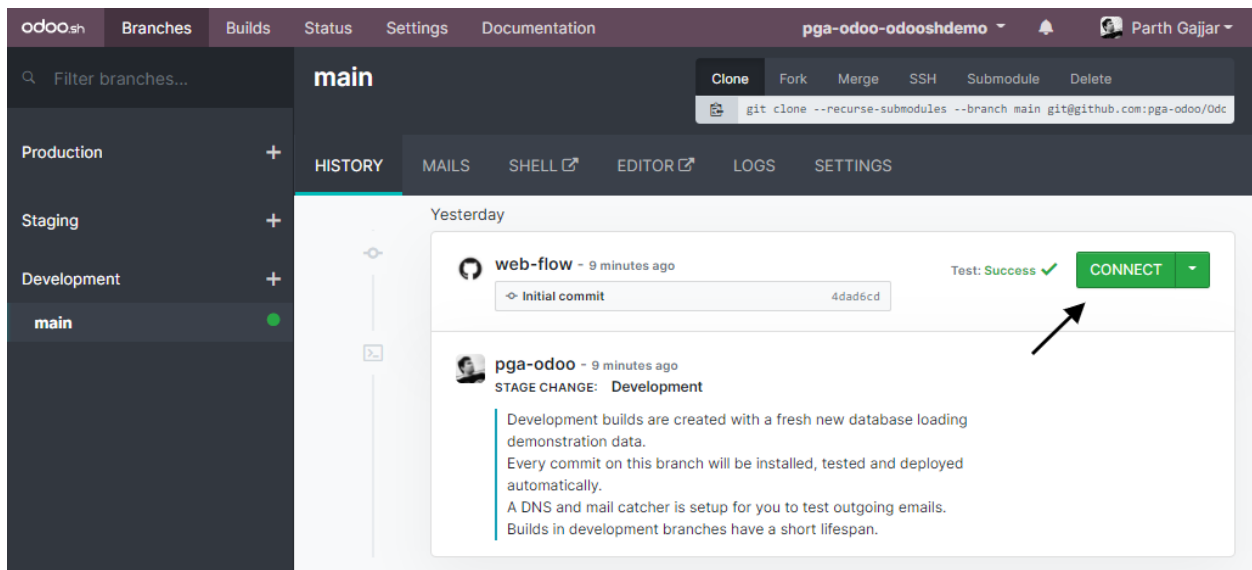
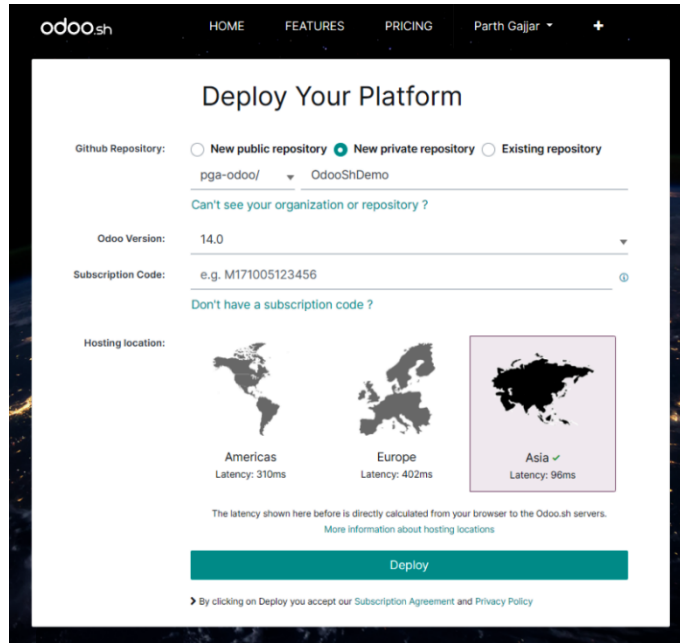
Chapter 19: Managing, Deploying, and Testing with Odoo.sh



The screenshot shows the GitHub authorization process for Odoo.sh. At the top, the Odoo logo and GitHub logo are connected by a dashed line with a green checkmark in the middle. Below this, the text "Authorize Odoo.sh" is centered. The main content area is a white box with a thin border, containing the following information:

- Odoo.sh by odoo** wants to access your ParthGajjar account
- Personal user data** (Full access) with a dropdown arrow
- Repositories** (Public and private) with a dropdown arrow
- Organization access** section with four items, each with a radio button and a checkmark:
 - odoo ✓
 - odoo-dev ✓
 - Odoo-India ✓
 - Odoo-mobile ✓

At the bottom of the white box, there is a large green button labeled "Authorize odoo". Below the button, it says "Authorizing will redirect to <https://www.odoo.sh>".



odoo.sh Branches Builds Status Settings Documentation pga-odoo-odooshdemo Parth Gajjar

Filter branches... main

Clone Fork Merge SSH Submodule Delete

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

HISTORY MAILS SHELL EDITOR LOGS SETTINGS

Yesterday

pga-odoo - now
 Added my_library module 4a68871 Testing: base

web-flow - 43 minutes ago
 Initial commit 4dad5cd Test: Success ✔ CONNECT

pga-odoo - 43 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.

Mitchell Admin

This database will expire in 1 month. [Register your subscription](#) or [buy a subscription](#).

Discuss Contacts **My Library** Apps Settings

odoo.sh Branches Builds Status Settings Documentation pga-odoo-odooshdemo Parth Gajjar

Filter branches... main

Clone Fork Merge SSH Submodule Delete

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

HISTORY MAILS SHELL EDITOR LOGS **SETTINGS**

⚙ Behavior upon new commits

New commits will either do nothing, create new builds or update the previous one if it is still running.

New build

📦 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

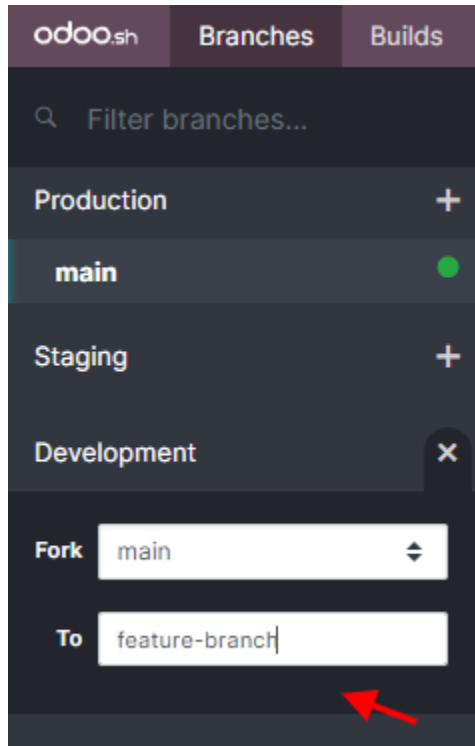
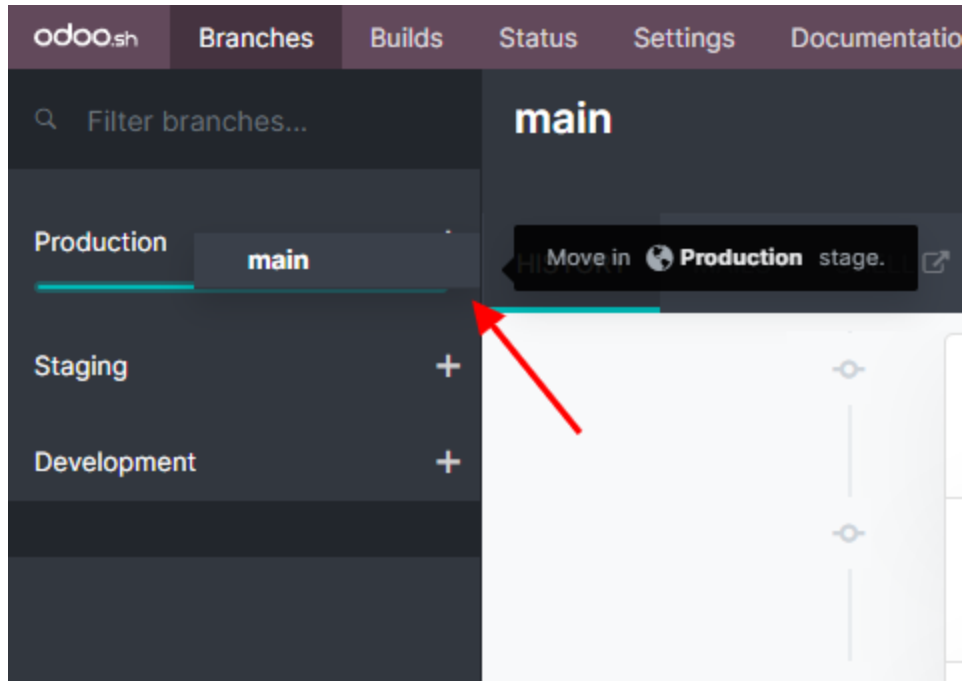
✔ Test suite

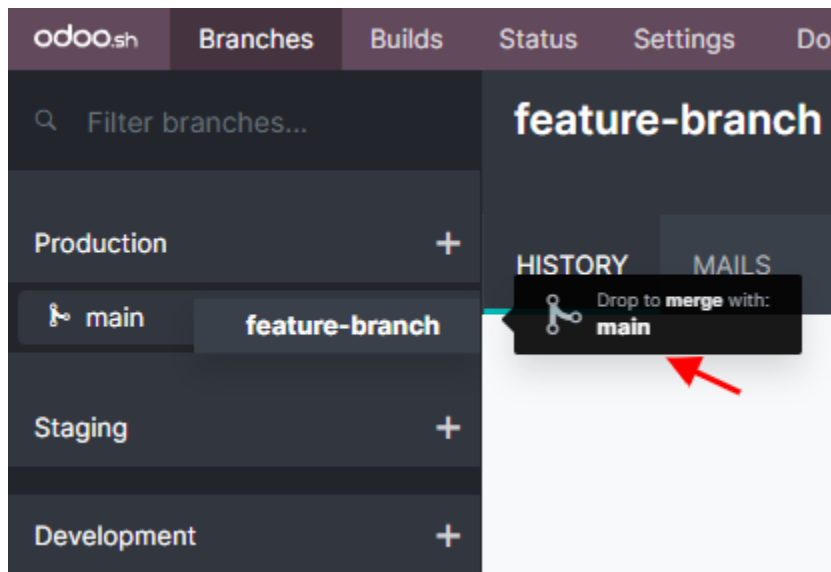
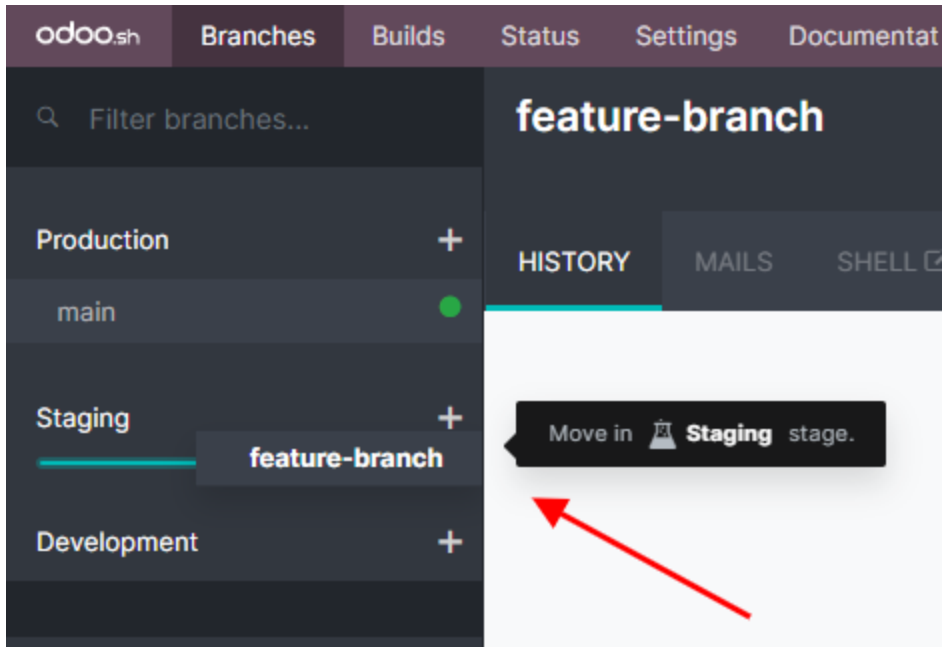
Odoo has a test suite that can help validate your customizations. You can choose to disable it if you wish to reduce the build's creation time, but be aware this

Validate the test suite on new builds.

Test tags can be added to limit the tests to be run on new builds (comma-separated tags)

For example: custom_tags,at_install,post_install





odoo.sh Branches Builds Status Settings Documentation pga-odoo-odooshdemo (pga-odoo/Odoo5HDemo) Parth Gajjar

feature-branch

HISTORY MAILS SHELL EDITOR LOGS BACKUPS SETTINGS

Yesterday

pga-odoo - 12 minutes ago
STAGE CHANGE: Development > Staging
Test: Success ✓ CONNECT

Commits start builds with production data. Modules that changed version will be updated. Outgoing emails are caught to avoid sending test emails to your customers and scheduled actions are deactivated. The latest build always stays alive, older ones can get garbage collected after a while. The builds are meant to conduct user-acceptance testing of your newly developed features.

pga-odoo - 17 minutes ago
Added my_library module @2d5aff
Test: Failed ! DROPPED

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.

odoo.sh Branches Builds Status Settings Documentation pga-odoo-odooshdemo Parth Gajjar

feature-branch

HISTORY MAILS SHELL EDITOR LOGS BACKUPS SETTINGS

Filter messages...

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

Re: My Company | More info | Pop out | Download

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 X
pga-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~$ ls
backup.daily data logs Maildir repositories src tmp
pga-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~$ cd src/odoo/
pga-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
pga-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
pga-odoo-odooshdemo-feature-branch-1698422 [staging/v14.0]:~/src/odoo$
```

```
File Edit View Run Kernel Odoo Tabs Settings Help
+ [Icons]
^ > ... > my_library > models
Name ^ Last Modified
__init__.py 4 hours ago
library_book.py 4 hours ago
Launcher X library_book.py X
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 |
```

odoo^{sh} Branches Builds Status Settings Documentation pga-odoo-odooshdemo (pga-odoo/OdooShDemo) Parth Gajjar

feature-branch

HISTORY MAILS SHELL EDITOR LOGS BACKUPS SETTINGS

Available logs: odoo.log Filter: ERROR

```

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 21:16:23,532 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 /web/dataset/call_k
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 /mail/read_follower
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 /web/dataset/call_k
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 /mail/get_suggested
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) Parth Gajjar

Clone Fork Merge SSH Submodule Delete

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

odoo^{sh} Branches Builds Status Settings Documentation pga-odoo-odooshdemo (pga-odoo/OdooShDemo) Parth Gajjar

main

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

HISTORY SHELL EDITOR LOGS BACKUPS SETTINGS

Create Backup Import Database

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

odoo^{sh} Branches Builds Status Settings Documentation pga-odoo-odooshdemo (pga-odoo/OdooShDemo) Parth Gajjar

Production

main

Added new feature Parth Gajjar Age: a few seconds ago Duration: 0:00:00 build success Connect

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

Staging

feature-branch

Added new feature Parth Gajjar Age: a minute ago Duration: 0:00:00 build success Connect

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% Av. uptime past day	99.95% Av. uptime past week	99.98% Av. uptime past month	2.31Mb/s Av. output data past day	5.61Mb/s 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 .odoo.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 <input type="checkbox"/> ✕
kig-odoo (kig-odoo)	User <input type="checkbox"/> ✕

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 AAAAE [redacted] ADAQABAAACAQC4UJldz

git@github.com:odoo/enterprise.git

*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

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

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': 'PostgresSQL 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 Result: {'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
```

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

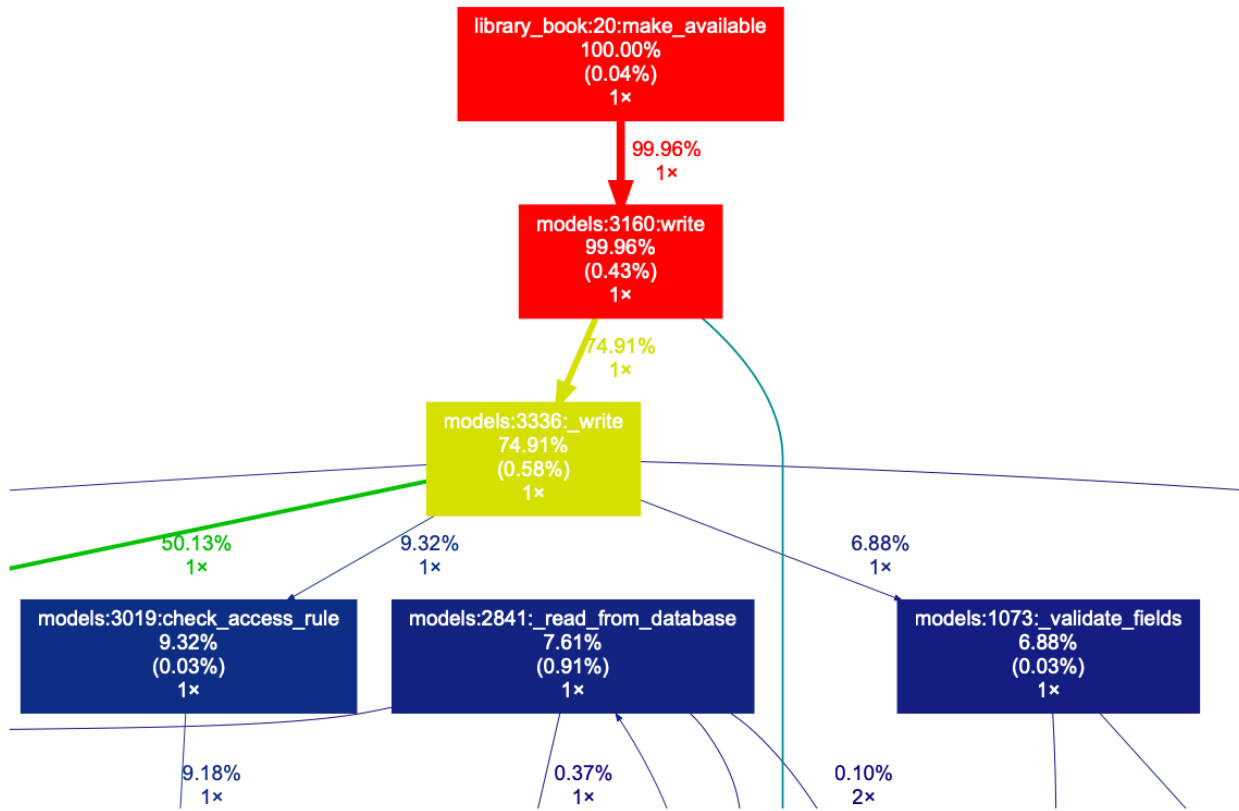
Here is your new API key, use it instead of a password for RPC access.

`a3590fd04ccd3b67c4155dc645fca5e800e0e718` 

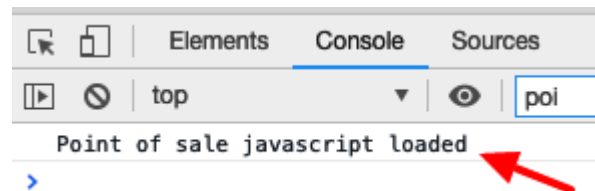
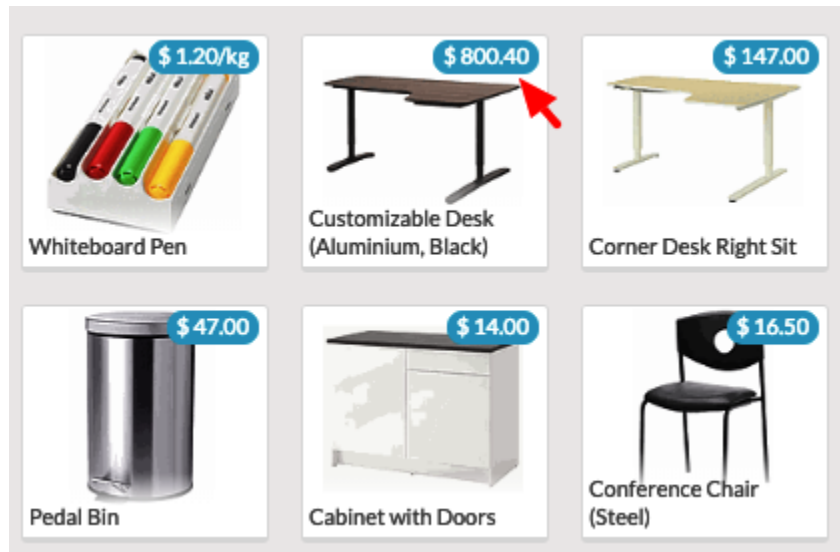
Important: The key cannot be retrieved later and provides **full access**

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	Qty
➔ Payment	4	5	6	Disc
	7	8	9	Price
	+/-	0	.	⊗

LED Lamp \$ 0.90 🏠 🔍 Search Products

1.000 kg at \$ 0.90 / kg

Chairs Desks Miscellaneous

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

Cancel

🛒 Last orders ←

Azure Interior 1

➔	4			
	7	8	9	Price
	(Steel)	(Aluminium)	Desk Organizer	Desk Pad

\$ 147.00

Desk Right Sit

\$ 320.00

Large Cabinet

\$ 47.00

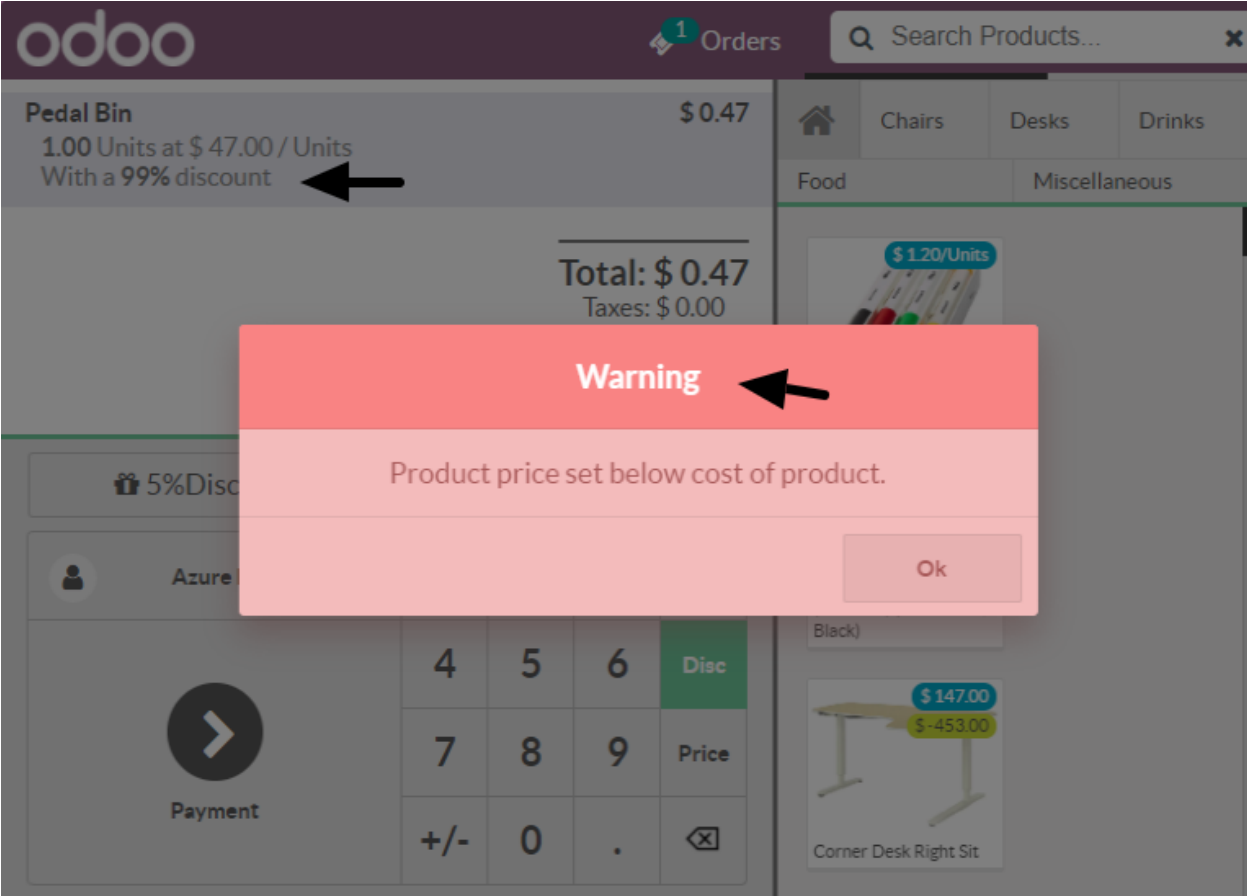
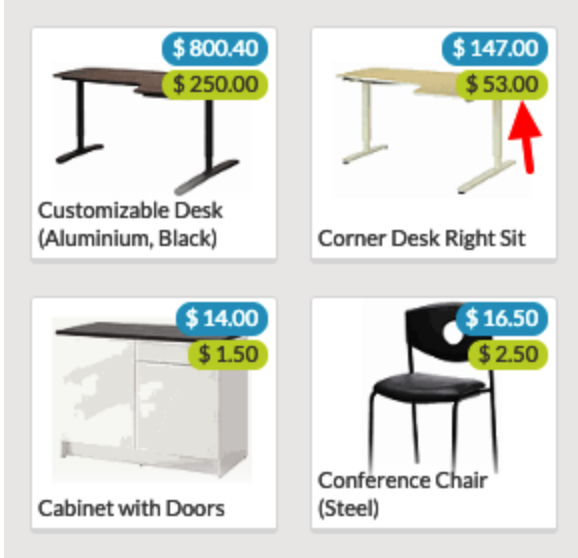
Cabinet with Doors

\$ 5.10/kg

Desk Organizer

\$ 1.98/kg

Desk Pad





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
Domain

[→ Incoming Email Servers](#)

[→ Outgoing Email Servers](#)

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

Settings / Incoming Mail Servers / New

Name	<input type="text" value="My incoming server"/>	Server Type	<input type="text" value="IMAP Server"/>
Last Fetch Date			

Server Information		Login Information	
Server Name	<input type="text" value="imap.example.com"/>	Username	<input type="text" value="pga@example.com"/>
Port	<input type="text" value="143"/>	Password	<input type="password" value="....."/>
SSL/TLS	<input type="checkbox"/>		

Actions to Perform on Incoming Mails

Create a New Record

Save Discard

Description: My smtp server Priority: 10 Active: [toggle]

Connection Information

SMTP Server: smtp.example.com SMTP Port: 465 Debugging: [checkbox]

Security and Authentication

Connection Security: SSL/TLS Username: pga@example.com Password: [masked] Test Connection: [button]

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 ×

Recipients

Followers of the document and

Azure Interior ✕ Add contacts to notify... ▾

Subject

Reminder for book return

B *I* U 16 ▾ **A**

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

0 Following 1

Add Followers

Add Channels

Mitchell Admin

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 0 Following 1

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

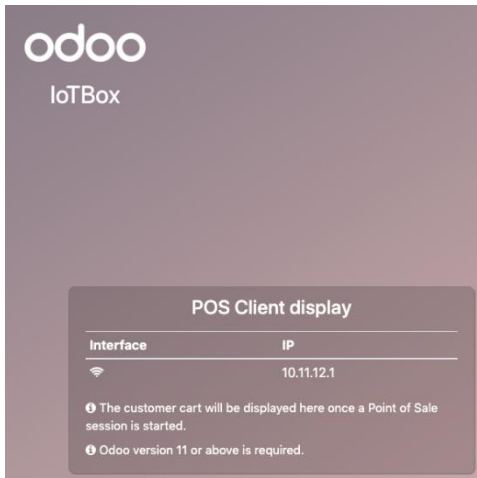
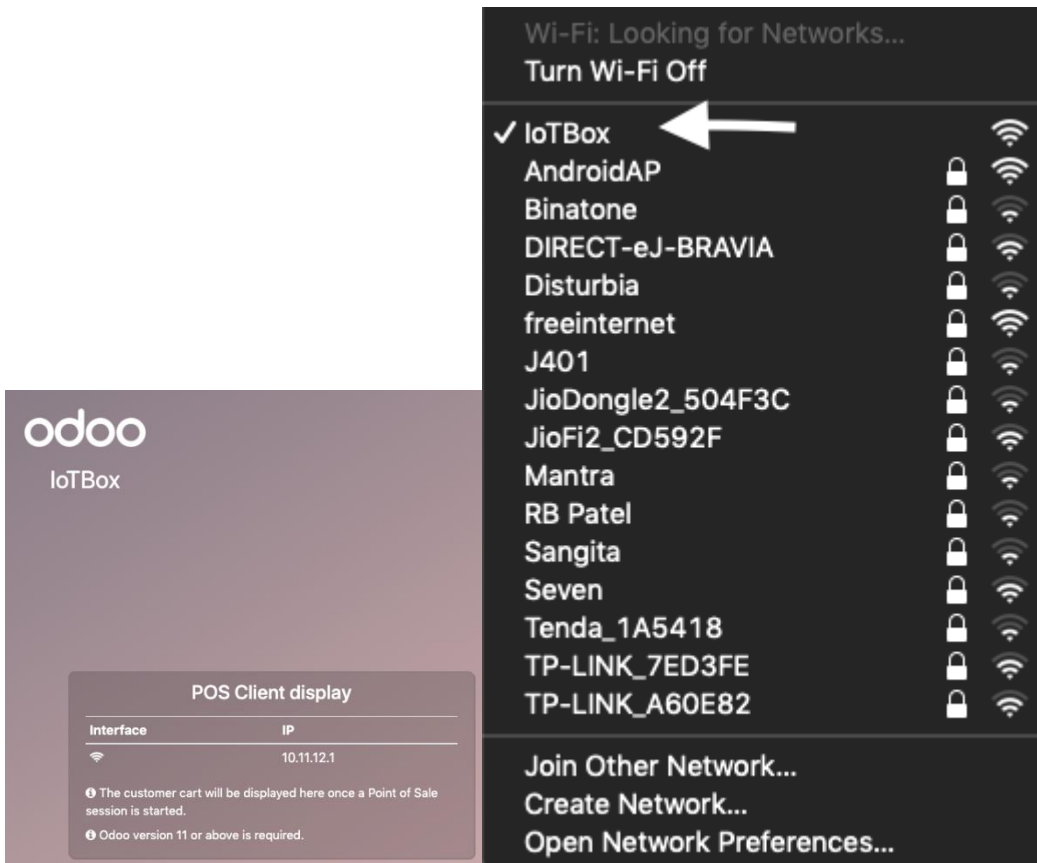
12

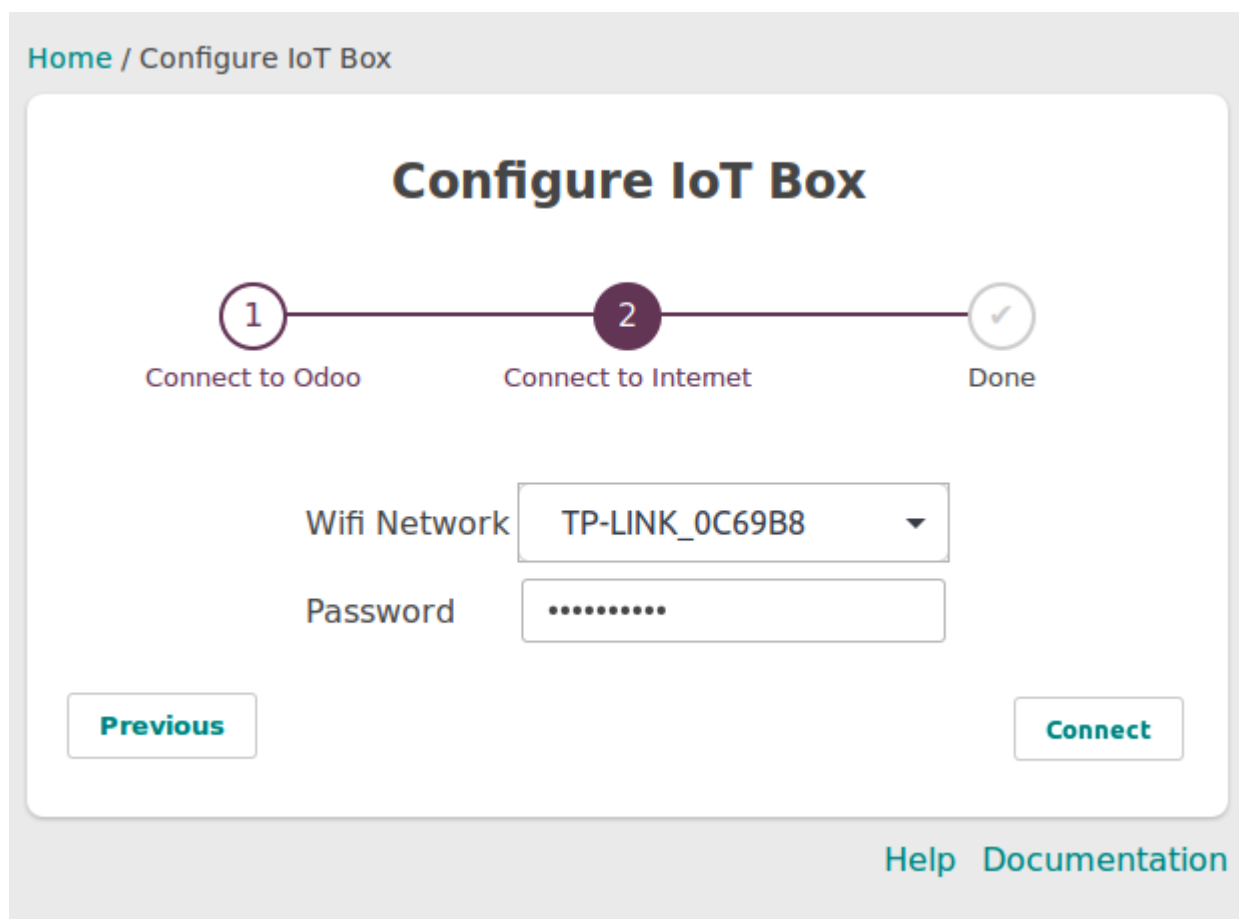
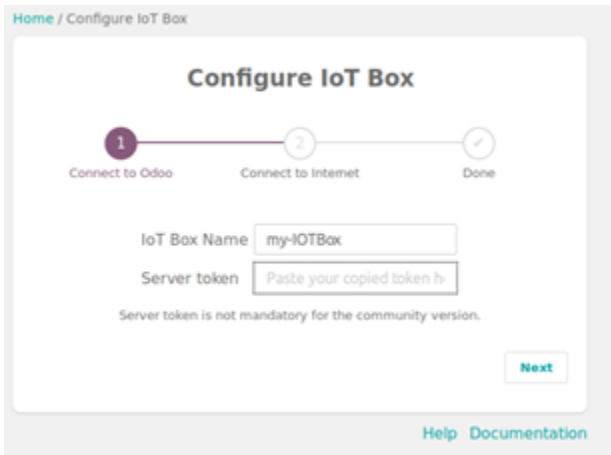
LAST 7 DAYS

0.0

LAST 30 DAYS

Chapter 24: Managing IoT Box






Configure IoT Box



✓ Nice! Your configuration is done.

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



Internet of Things
Basic models and helpers to support Internet of Things.

[INSTALL](#) [MODULE INFO](#)

Connect an IoT Box ✕

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	<div style="border: 1px solid #ccc; padding: 5px; display: flex; justify-content: space-between; align-items: center;">Displays▼</div>	

[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](#)

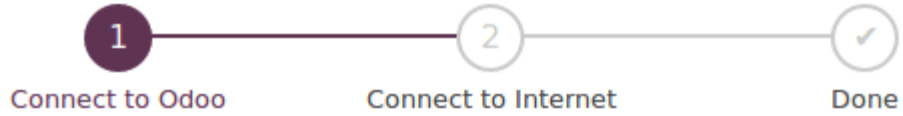
IoT IoT Boxes Devices 4 2 Mitchell Admin

IoT Boxes Search... Q

[CONNECT](#) Filters Group By Favorites 1-3 / 3 < > Grid List

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

Server Token


[Connect](#)

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

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



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
CameraInterface.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](#)

The screenshot shows the IoT management dashboard with a dark purple header. The main content area is titled 'Devices' and is organized into three columns: 'Shop', 'Workshop', and 'MyloTBox'. Each column contains a list of devices with their status (Connected or Disconnected) and connection icons.

Shop	Workshop	MyloTBox
Receipt Printer Shop Disconnected	USB Keyboard Workshop Disconnected	Distant Display MyloTBox 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

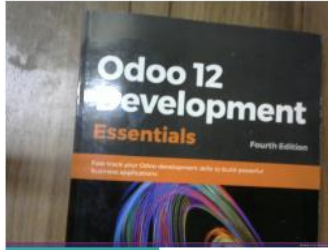
SAVE DISCARD

1 / 1 < >

RETURN THE BOOK SEND REMINDER SEND REMINDER (QWEB)

ONGOING RETURNED

Book	Odoo 12 development essentials	✕	Rent Date	03/17/2019	▼
Borrower	Azure Interior	✕	Return Date		▼
IoT Device	[AssemblyIoTBox] UVC Camera (046d:08	✕			
Picture					



TAKE A PICTURE

Send message Log note Schedule activity

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

Sessions

Sales Orders

Reporting

Orders

Settings 

Connected Devices



IoT Box

Connect devices using an IoT Box

Receipt Printer

[Shop] Receipt Printer



Cashdrawer



Customer Display

[Shop] Customer Display



Barcode Scanners/Card

Readers

Electronic Scale

[IoT Devices](#)

Barcodes


Use barcodes to scan products, customer cards, etc.


Barcode

Default Nomenclature



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

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

