Updated on 12/17/2024

Sign up

Odoo V18 training

3 days (21 hours)

Presentation

Odoo is an open source software company offering a complete suite of fully integrated business management modules. It is currently used by over 2 million users.

Odoo is a business management program which, thanks to its applications, meets a wide range of business needs, from customer relationship management to website creation and e-commerce, via production, inventory management, accounting, ERP and more.

The advantage of this program is that all tasks are grouped together in a single environment and can be interchanged with them. In this way, data from one domain can be transmitted to another.

Odoo can be used by companies of all sizes and in all sectors. It facilitates repetitive tasks to a large extent, using automated and customizable structures.

As with all our training courses, this one will introduce you to the latest version of Odoo v18.

Objectives

- Master the general aspects of Odoo backend module development
- Master Odoo software architecture
- Acquire the skills needed to meet all types of technical requirements
- Be able to automate and integrate your business workflow on Odoo

Target audience

Professionals, salaried or self-employed: Design office managers, technicians,

engineers, draughtsmen, architects, project managers, architects' assistants or any other person in charge or involved.

Prerequisites

- Basics of Python and object-oriented programming
- Command line basics
- html / CSS language basics
- SQL language basics
- Test My Knowledge

Technical requirements

A machine running Linux is recommended.

Odoo training program for developers

Introduction

- Introduction to ERP
- Introduction to Odoo
  - The Odoo story
  - Odoo's potential
  - Odoo CE and EE versions
- Getting started

Preparing the development environment

- Installation of IDE and development tools
- Option 1: Docker development environment
- Option 2: Development environment under vagrant and virtualbox

Odoo technical overview

- Odoo architecture
- The configuration file
- Developer mode overview
- Technical aspects of the interface

The first steps in development

- Creating a back-end module

- Basic templates and fields
- Managing access rights
- Basic views
- Relational fields
- Calculated fields
- The actions
- Managing constraints
- Widgets, attributes and options

Going further with Odoo

- Inheritance in Odoo
- Interaction with other modules
- Group management and security rules
- Master & Demo data
- Unit tests
- Automated actions
- PDF reports : Qweb
- Email templating: Jinga2
- Dashboards
- Webservices

Development exercises

- Module 1: A
- Module 2: B
- Module 3: C

Deployment in production environment

- Preparing the production server
- Installation and deployment
- A minimum of safety
- Activate multi-threading mode
- Administration and maintenance

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as enrolment is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the format selected. This

The questionnaire also enables us to anticipate any connection or internal security problems (intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.