

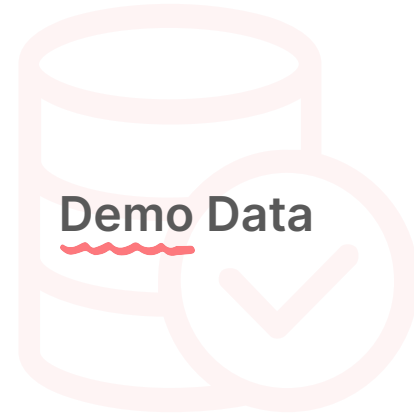
Chapter 3

Data introduction 🎉

Data types



VS



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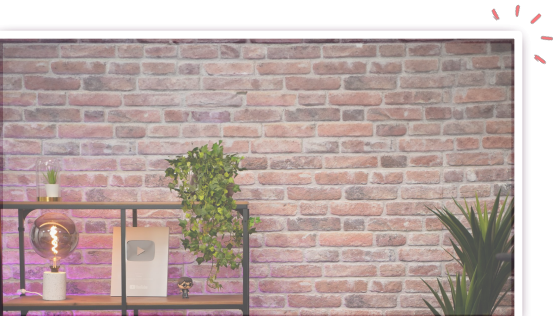


Master Data[!]

Essential for the module to work properly.



- **Technical** : *Views, actions, groups...*
(see next chapters)
- **Business** : *countries, currencies, units of measure, ...*



Loaded when you **install/update** the module

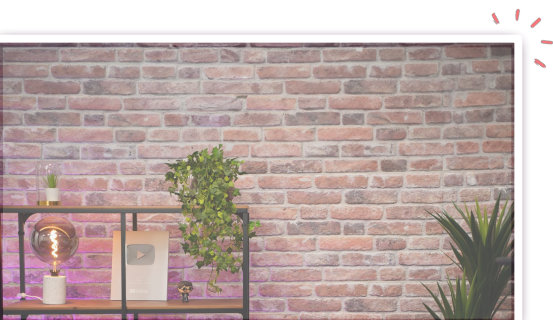
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Demo Data[!]



Used for testing or demonstration purposes

- Help **Sales** to make quick demos.
- Working data for **Developers** to **test** new features.
- **Testing** that loading data doesn't raise an error.



Loaded when you **start** the server.

[CLICK HERE](#)

Data declaration

In the manifest of the module

Located in different **directories** such as
data, views, ...

```
project_directory/  
├── module_a/  
│   ├── data/  
│   │   └── data.xml  
│   ├── security/  
│   │   └── ir.model.access.csv  
│   ├── views/  
│   │   ├── templates.xml  
│   │   └── views.xml  
│   └── __manifest__.py
```

Essentially XML files, but can also be CSV files or other types of files.

[CLICK HERE](#)



Exercise

Chapter 3

New model data

Create **one demo data** in previously created model.

- 1) In the **estate** module, add a new directory to store our **demo** data files.
- 2) In this directory, create a new xml file for the demo data `demo.xml` (don't forget to add the "demo" key in the manifest `__manifest__` too).
- 3) In the xml, add one record for the `estate.property` model. Don't forget to add at least all the required fields in the latter.

Help: To populate a DB using the command line, you can also use the following command:

CLICK HERE

```
odoo-bin populate --addons-path=... -d {database} --size {small|medium|large} --models {model1,model2}
```

Exercise

Chapter 3

~~New model data~~

Groups

Create a **new group** of admin users for our model.

- 1) In the **estate** module, add a new directory to store our **security** data files.
- 2) In this directory, create a new xml file for the groups `res_groups.xml` (don't forget to add the "data" key in the manifest `__manifest__` too).
- 3) In the xml, add one record for the `res.groups` model.
The id of this group will be **estate_admin** as it will be used to set the administrators of our model.
The only required field for this model is the **name** (e.g. Estate Manager).