Modules

**Manifest**

The manifest file serves to declare a python package as an Odoo module and to specify module metadata.

It is a file called \_\_manifest\_\_.py and contains a single Python dictionary, where each key specifies module metadatum.

{

'name': "A Module",

'version': '1.0',

'depends': ['base'],

'author': "Author Name",

'category': 'Category',

'description': """

Description text

""",

# data files always loaded at installation

'data': [

'views/mymodule\_view.xml',

],

# data files containing optionally loaded demonstration data

'demo': [

'demo/demo\_data.xml',

],

}

Available manifest fields are:

name (str, required)

the human-readable name of the module

version (str)

this module's version, should follow [semantic versioning](http://semver.org) rules

description (str)

extended description for the module, in reStructuredText

author (str)

name of the module author

website (str)

website URL for the module author

license (str, defaults: LGPL-3)

distribution license for the module

category (str, default: Uncategorized)

classification category within Odoo, rough business domain for the module.

Although using [existing categories](https://github.com/odoo/odoo/blob/master/odoo/addons/base/module/module_data.xml) is recommended, the field is freeform and unknown categories are created on-the-fly. Category hierarchies can be created using the separator / e.g. Foo / Bar will create a category Foo, a category Bar as child category of Foo, and will set Bar as the module's category.

depends (list(str))

Odoo modules which must be loaded before this one, either because this module uses features they create or because it alters resources they define.

When a module is installed, all of its dependencies are installed before it. Likewise dependencies are loaded before a module is loaded.

data (list(str))

List of data files which must always be installed or updated with the module. A list of paths from the module root directory

demo (list(str))

List of data files which are only installed or updated in *demonstration mode*

auto\_install (bool, default: False)

If True, this module will automatically be installed if all of its dependencies are installed.

It is generally used for "link modules" implementing synergic integration between two otherwise independent modules.

For instance sale\_crm depends on both sale and crm and is set to auto\_install. When both sale and crm are installed, it automatically adds CRM campaigns tracking to sale orders without either sale or crm being aware of one another