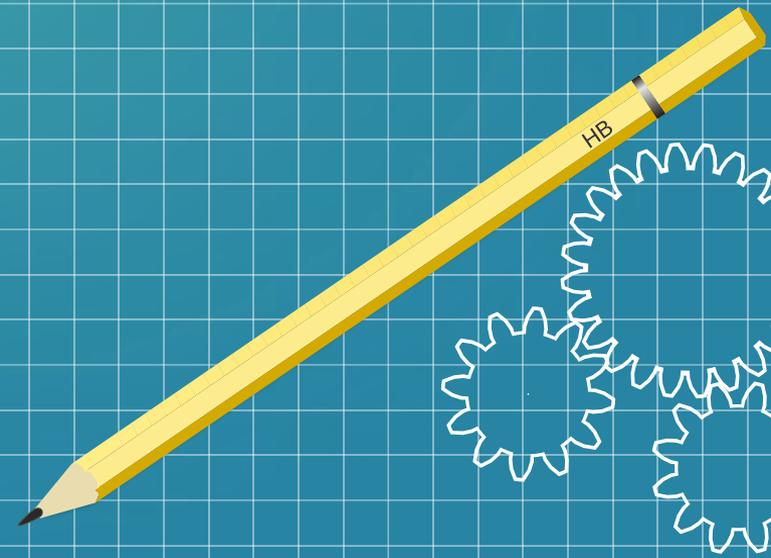
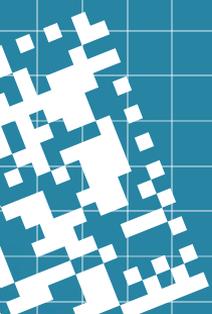


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Bosnian localization of “Odoo” open-source platform MASTER DATA

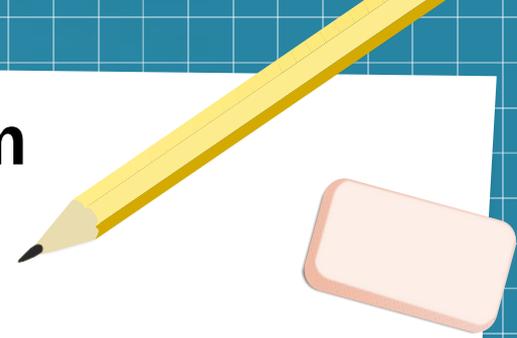
l10n_ba
l10n_ba_data
l10n_ba_data_fbih
l10n_ba_data_rs (*)
l10n_ba_data_bd (*)

(*) to be done



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“Odoo” open-source platform master data



“Odoo” provides **great** Master Data handling via XML and CSV data files.

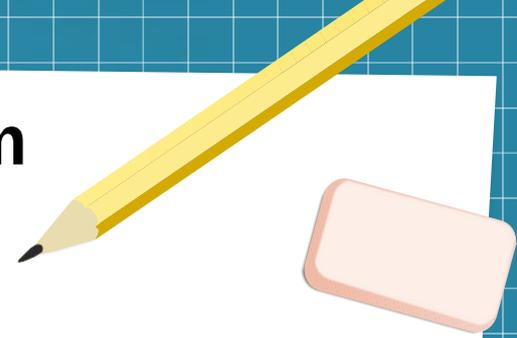
“Odoo-ish master data handling provides:

- Clear informations about master data which are essential informations for **ERP projects**
- **Fast** database installation for **testing**
- **Reliable** setting of master data in **production**

Still, there are “Odoo” teams which **do not use it**

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“Odoo” open-source platform master data – real world 1/4



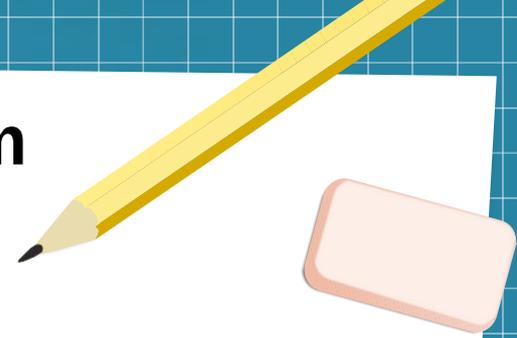
Real world **problem**:

Deployment and maintenance of Odoo modules
to the system which handles master data **manually**

Problem is **interference** of your module's master data with
manually injected master data into database

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“Odoo” open-source platform master data– real world 2/4



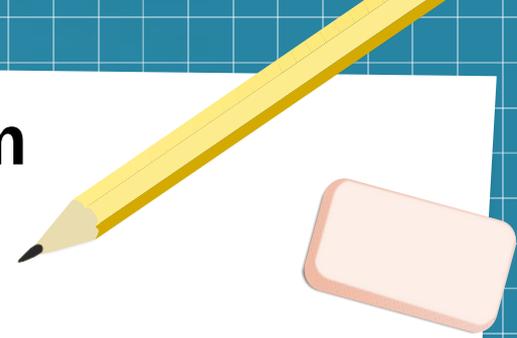
Our first solution was **bad solution**:

exclude data files from **__manifest__.py**.

- It seemed like good “workaround” solution
- Soon maintenance started to be nightmare
- l10n_ba, l10n_ba_pdv are based modules for multiple customers
- Your modules have to equal - **standardized** for all users, not hacked with custom file exclusions from system administrators
- Even when you modify, mostly **you don't know** how that custom solution is deployed
- Because of that manual adjustment practices, we have noticed **lack of needed master data** (e.g. where are bosnian cities?!)

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“Odoo” open-source platform master data – real world 3/4



Workaround results:

- end users of your modules often have to take additional care
- Your maintenance is always with additional question mark: “What is **really** installed in database?”
- If there is lack of **feedback** (installation failures, warnings) – you have a **big problem!**

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“Odoo” open-source platform master data – real world 4/4

Second iteration – **Good solution** (we hope)

What:

- Remove all master data(*) to separate modules

How:

- Big **refactoring** – reorganization of modules

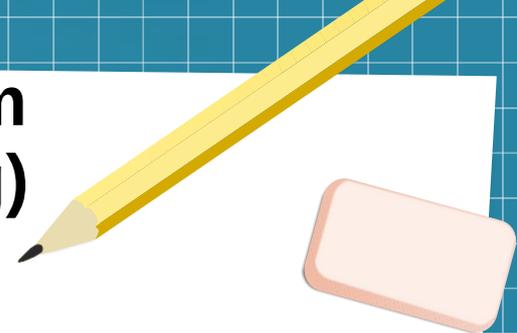
Result:

- Your “manually master data” client get only modules and master data which are necessary for him
- Your “normal” clients get additional data modules
- All clients get **unchanged** standardized modules

(*) where there is possibility that end user can manually install and cause conflict situation

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“Odoo” open-source platform master data (after refactoring) project l10n_ba

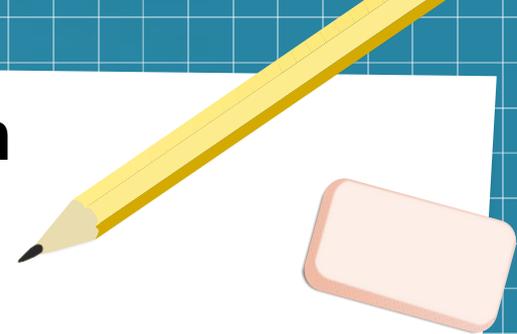


A screenshot of the GitHub repository page for 'odoo-bringout-l10n_ba'. The repository is public and has 90 commits. The file list shows several folders: '.vscode', 'doc', 'l10n_ba', 'l10n_ba_data', 'l10n_ba_fbih_data', 'scripts', '.gitignore', 'CLAUDE.md', 'README.md', and 'pyproject.toml'. The 'l10n_ba_data' folder is highlighted with an orange box, and an orange arrow points from it to the text 'data only modules' in the README section. The README section is titled 'Bosnia and Herzegovina' and 'Bosnian localisation.' and lists the author as 'Ernad Husremovic bring.out doo Sarajevo'. The right sidebar shows repository statistics like stars, forks, and releases.

- “l10n_ba”
 - contains some code
 - data (bosnian cities, entities/cantons)
- “l10n_ba_data”
 - Data only
 - Bosnia and Herzegovina common data (taxes, journals etc)
- “l10n_ba_fbih_data”
 - Entity FBiH chart of accounts



“Odoo” open-source platform master data I10n_ba



master odoo-bringout-I10n_ba / I10n_ba / data / res.bank.csv

hernad I10n_ba: add res.bank.csv and load it; normalize LF; bump version to ...

Preview Code Blame 17 Lines (17 loc) · 2.17 KB

Search this file

1	id	name
2	ADDIKO	Addiko bank dd Sarajevo
3	ASA	ASA Banka dd Sarajevo
4	ASA2	ASA Naša i snažna dd Sarajevo
5	BBI	Bosna Bank International d.o.o.
6	INTESA	Intesa Sanpaolo Banka dd Sarajevo
7	KIVK	Komercijalno-investiciona banka

master odoo-bringout-I10n_ba / I10n_ba / data / res.city.csv

hernad fix: Simin Han city belongs to Tuzlanski kanton

Preview Code Blame 321 Lines (321 loc) · 19 KB

Search this file

1	id	country_id/id	name	zipcode
2	city_ba_78255	base.ba	Aleksandrovac	78255
3	city_ba_72286	base.ba	Babanovac	72286
4	city_ba_78000	base.ba	Banja Luka	78000
5	city_ba_74273	base.ba	Banja Vrućica	74273
6	city_ba_75290	base.ba	Banovići	75290
7	city_ba_72233	base.ba	Begov Han	72233
8	city_ba_77000	base.ba	Bihać	77000
9	city_ba_76204	base.ba	Bijela	76204

master odoo-bringout-I10n_ba / I10n_ba / data / res.country.state.csv

hernad I10n_ba: normalize line endings in CSV files; bump version to 16.0.1.2.2

Preview Code Blame 23 Lines (14 loc) · 758 Bytes

Search this file

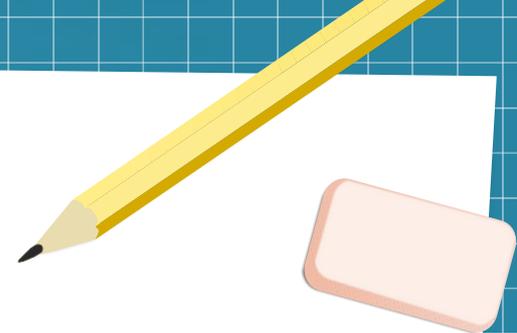
1	id	country_id:id	name	code
2	state_ba_bd	base.ba	Brčko Distrikt	BD
3	state_ba_ef	base.ba	Entitet Federacija BiH	EF
4	state_ba_er	base.ba	Entitet Republika Srpska	ERS
5	state_ba_k_usk	base.ba	Unsko-sanski kanton FBiH	USK
6	state_ba_k_po	base.ba	Posavski kanton FBiH	POS
7	state_ba_k_tz	base.ba	Tuzlanski kanton FBiH	TK
8	state_ba_k_ze	base.ba	Zeničko-dobojski kanton FBiH	ZEDO

I10n_ba data:

- res.bank.csv
- res.city.csv
- res.country.state.csv

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“Odoo” open-source platform master data: l10n_ba_data (1/2)



```
master - odoo-bringout-l10n_ba / l10n_ba_data / data / account_fiscal_positions.xml
hernad chore(l10n_ba_data): set nouupdate=0 for master data files

Code Blame 227 lines (284 loc) · 12 KB
1 <?xml version="1.0" encoding="utf-8"?>
2 <odoo>
3 <data nouupdate="0">
4
5 <!-- Fiscal Positions for Bosnia and Herzegovina -->
6
7 <!-- =====
8 NE-PDV Obveznik: For non-VAT ri
9 Maps 17% taxes to 0% KP (krajin)
10 =====
11 <record id="fiscal_position_ne_pdv_1" model="account.fiscal.position">
12 <field name="name">NE-PDV Obveznik: For non-VAT ri
13 <field name="country_id" ref="base.country_bosnia_and_herzegovina"/>
14 <field name="auto_apply">False</field>
15 </record>
16
17 <!-- Tax mappings for NE-PDV Obveznik -->
18 <record id="fiscal_position_ne_pdv_2" model="account.fiscal.position">
19 <field name="position_id" ref="fiscal_position_ne_pdv_1"/>
20 <field name="tax_src_id" ref="base.tax_17_percent_krajina"/>
21 <field name="tax_dest_id" ref="base.tax_0_percent_krajina"/>
22 </record>
23 <record id="fiscal_position_ne_pdv_3" model="account.fiscal.position">
24 <field name="position_id" ref="fiscal_position_ne_pdv_1"/>
25 <field name="tax_src_id" ref="base.tax_17_percent_krajina"/>
26 <field name="tax_dest_id" ref="base.tax_17_percent_krajina"/>
27 </record>
28
29 <!-- Tax mappings for NE-PDV Obveznik -->
30 <record id="fiscal_position_ne_pdv_4" model="account.fiscal.position">
31 <field name="position_id" ref="fiscal_position_ne_pdv_1"/>
32 <field name="tax_src_id" ref="base.tax_17_percent_krajina"/>
33 <field name="tax_dest_id" ref="base.tax_17_percent_krajina"/>
34 </record>
35 </data>
36 </odoo>
```

```
master - odoo-bringout-l10n_ba / l10n_ba_data / data / account_journal_groups.xml
hernad chore(l10n_ba_data): set nouupdate=0 for master data files

Code Blame 71 lines (56 loc) · 2.76 KB
1 <?xml version="1.0" encoding="utf-8"?>
2 <odoo>
3 <data nouupdate="0">
4
5 <!-- =====
6 PDV Journal Groups for Bosnia and Herzegovina
7 NAB = Nabavke (Purchases)
8 ISP = Isporuke (Sales/Deliveries)
9 ===== -->
10
11 <!-- ===== PURCHASE JOURNAL GROUPS ===== -->
12
13 <record id="journal_group_nab_03" model="account.journal.group">
14 <field name="name">NAB-03: Avansni dobavljači</field>
15 <field name="sequence">10</field>
16 </record>
17
18 <record id="journal_group_nab_06" model="account.journal.group">
19 <field name="name">NAB-06: Naknadna umanjena i primljeni popusti (KO)</field>
20 <field name="sequence">11</field>
21 </record>
22
23 <record id="journal_group_nab_07" model="account.journal.group">
24 <field name="name">NAB-07: Ispravak odbaika ulaznog PDV-a</field>
25 <field name="sequence">12</field>
26 </record>
27 </data>
28 </odoo>
```

- l10n_ba_data is data only module related to taxes which are regulated at country level

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“Odoo” open-source platform master data: l10n_ba_data (2/2)

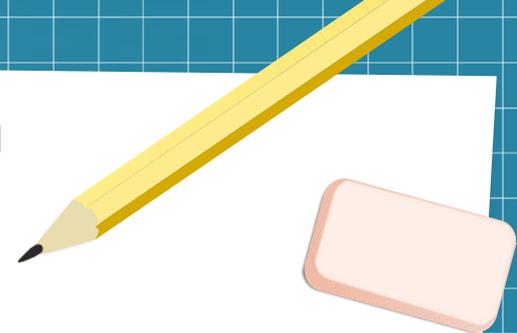


```
odoo-bringout-l10n_ba / l10n_ba_data / __manifest__.py
Code Blame 57 lines (53 loc) · 1.69 KB
11
12     Author: Ernad Husremovic bring.out doo Sarajevo
13
14     This module contains common accounting data for all Bosnia entities (FBiH, RS, BD):
15     - Tax groups and tax templates
16     - Tax tags for PDV reporting
17     - Taxes (PDV 17%, 8%, etc.)
18     - Fiscal positions
19     - Journal groups
20     - Journals
21     - Landed cost products
22
23     This module should be installed together with entity-specific chart of accounts
24     (e.g., l10n_ba_fbih_data for FBiH).
25     """
26     "version": "16.0.1.1.1",
27     "author": "bring.out",
28     "category": 'Localization',
29     "website": "https://www.bring.out.ba",
30     'depends': [
31         "l10n_ba",
32         "stock_landed_costs",
33     ],
34     'data': [
35         # Company configuration
36         "data/res_company_data.xml",
37         # Tax configuration
38         "data/account_tax_group_data.xml",
39         "data/account_tax_template_data_tag.xml",
40         # Tax tags must load before tax templates that reference them
41         "data/account_tax_tags.xml",
42         "data/account_tax_template_data_tax.xml",
43         # Actual taxes and configuration
44         "data/account_taxes.xml",
45         "data/account_fiscal_positions.xml",
46         "data/account_journal_groups.xml",
47         "data/account_journals.xml",
48         "data/product_landed_cost.xml",
49         "data/ino_usluga.xml",
50     ],
51     "active": False,
52     'installable': True,
```

- l10n_ba_data manifest contains good documentation of master data content in this module

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“Odoo” open-source platform master data: l10n_ba_fbih_data



bringout / odoo-bringout-l10n_ba

<> Code Issues Pull requests Actions Projects Security Insights Settings

master odoo-bringout-l10n_ba / l10n_ba_fbih_data / data / account.account.template.csv

hernad feat(l10n_ba): add l10n_ba_fbih_data module with consolidated FBiH ac...

Preview Code Blame 491 lines (491 loc) · 56.1 KB

Search this file

code	id	account_type	chart_template_id/id	name	note	reconcil
010	ba_fbih_010	asset_non_current	l10n_ba_fbih_chart_template	Kapitalizirana ulaganja u razvoj		
011	ba_fbih_011	asset_non_current	l10n_ba_fbih_chart_template	Koncesije, patenti, licence, zaštitni znakovi i druga prava		
012	ba_fbih_012	asset_n				
013	ba_fbih_013	asset_n				
014	ba_fbih_014	asset_n				
015	ba_fbih_015	asset_n				
017	ba_fbih_017	asset_p				
018	ba_fbih_018	asset_n				
019	ba_fbih_019	asset_n				
020	ba_fbih_020	asset_n				
021	ba_fbih_021	asset_n				
022	ba_fbih_022	asset_n				

id	name	code_prefix_start	code_p
ba_fbih_group_0	STALNA SREDSTVA I DUGOROČNI PLASMANI	0	
ba_fbih_group_01	Nematerijalna sredstva	01	
ba_fbih_group_02	Nekretnine, postrojenja i oprema	02	
ba_fbih_group_03	Investicijske nekretnine	03	
ba_fbih_group_04	Biološka sredstva	04	

- l10n_ba_fbih_data contains chart of accounts for entity FBiH

master odoo-bringout-l10n_ba / l10n_ba_fbih_data / data / account_chart_template_data_1.xml

hernad feat(l10n_ba): add l10n_ba_fbih_data module with consolidated FBiH ac...

de Blame 18 lines (15 loc) · 619 Bytes

```
<?xml version="1.0" encoding="utf-8"?>
<odoo>
  <data noupdate="1">
    <record id="l10n_ba_fbih_chart_template" model="account.chart.template">
      <field name="name">BiH - Kontni plan FBiH</field>
      <field name="code_digits">4</field>
      <field name="use_anglo_saxon" eval="False"/>
      <field name="bank_account_code_prefix">200</field>
      <field name="cash_account_code_prefix">205</field>
      <field name="transfer_account_code_prefix">2009</field>
      <field name="currency_id" ref="base.BAM"/>
      <field name="country_id" ref="base.ba"/>
    </record>
  </data>
</odoo>
```