

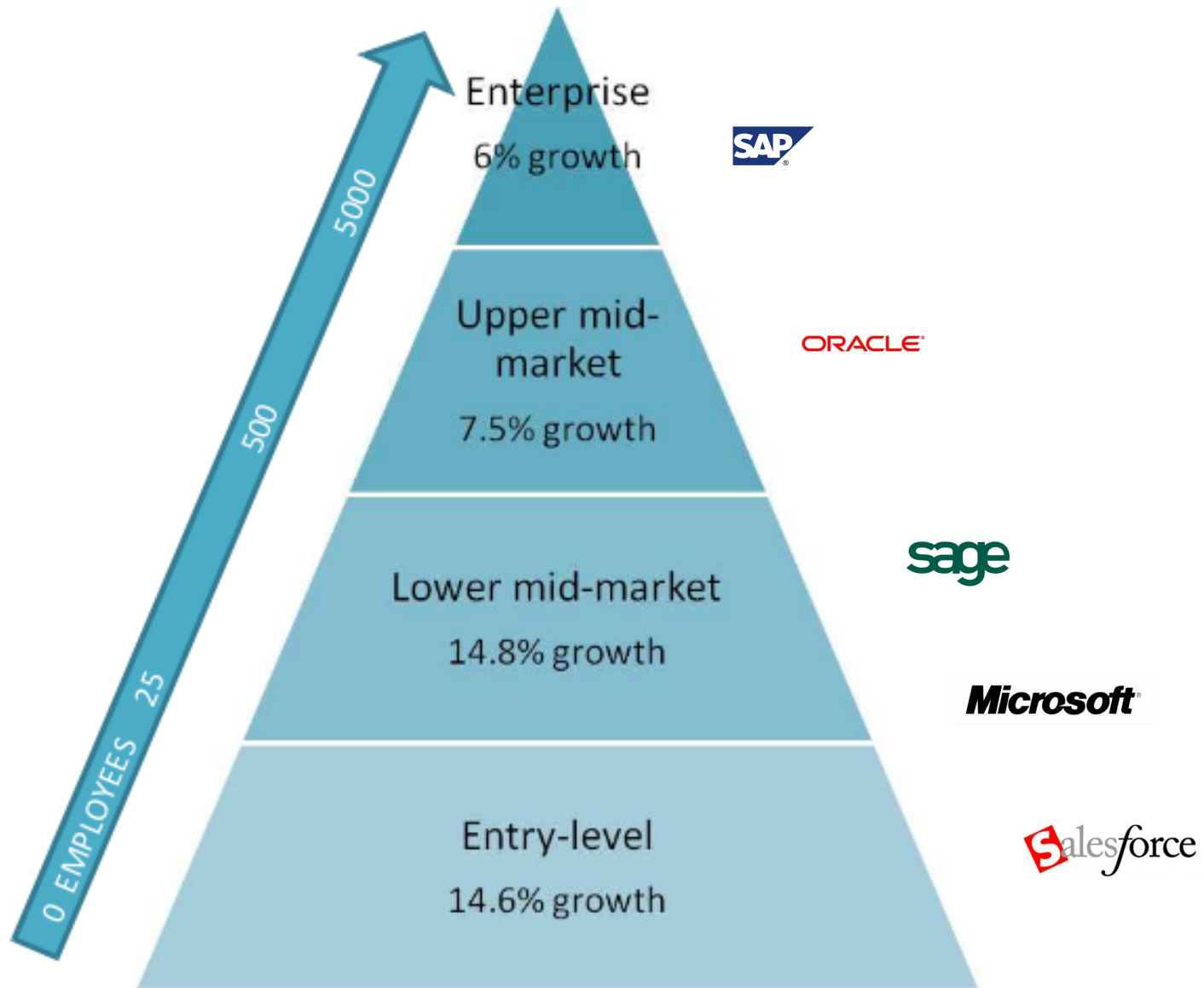
OpenERP v6.0

Technical Improvements

Olivier Dony

- Part 1
 - Short overview
 - Search views
 - Improved Tree views, aggregation, dynamic reports
 - Diagram views
 - Multi-company
- Part 2
 - Testing framework and continuous integration
 - Usability guidelines
 - New R&D Process
 - Web add-ons
 - Miscellaneous improvements and tips

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Disruptive product

- Modern programming language
- Modular approach
- Fully web-based
- Classical or cloud deployment

Disruptive business

- Free download
- Contributions and Community fuel the product
- Value created is fairly split between Customer, Service Provider, and Publisher

- During the last 5 years, OpenERP has matured into a **smart Enterprise Management software suite**, with a **world-wide** brand, and a **strong market** demand.
- OpenERP SA now puts focus on being the OpenERP Publisher
- OpenERP v6 focuses on **ease-of-use** for these smaller companies!

- Make OpenERP **easier** for smaller companies
- Global **code review** and simplification
- New **features**
- New development **processes**

- OpenERP becomes a true **suite of Business applications**
 - Menus and modules structure reviewed and split
 - Smaller, specific applications
 - » account = invoicing only
 - » account_accountant = full financial management
- Simplified views (vs. extended)
- Business-oriented screens and filters

OPENERP S.A. (TRUNK)
ADMINISTRATOR

ADDRESS BOOK | CALENDAR

SALES

Leads

Opportunities

Sales Orders

ADDRESS BOOK

MEETINGS

PHONE CALLS

BILLING

PRODUCTS

REPORTING

CONFIGURATION

SALES

PURCHASES

WAREHOUSE

ACCOUNTING

ADMINISTRATION

Sales Dashboard

Top Quotations

| ORDERED DATE | ORDER REFERENCE | CUSTOMER | SALESMAN | UNTAXED AMOUNT | TOTAL |
|--------------|-----------------|-----------------------|---------------|----------------|-----------|
| 10/05/2010 | SO006 | Agrolait | Administrator | 450.000 | 544.500 |
| 10/05/2010 | SO002 | Bank Wealthy and sons | Demo User | 1,244.000 | 1,244.000 |
| 10/05/2010 | SO001 | Agrolait | Administrator | 3,263.000 | 3,263.000 |

Total Sales By Month

| MONTH | PRODUCT | TOTAL PRICE |
|-------|---------|-------------|
| 10 | | 12,900.25 |

Sold products and Total Price

| Product | Total Price |
|-------------------------------------|-------------|
| [PC1] Basic PC | ~3,263 |
| [PC2] Basic+ PC (assembly on order) | ~4,734 |
| [PC3] Medium PC | ~3,263 |

Sales By Partner

| Partner | Total Price |
|-----------|-------------|
| Partner 1 | ~4,328 |
| Partner 2 | ~5,410 |

Done

The screenshot displays two overlapping screenshots of the OpenERP v6.0 interface. The top screenshot shows the 'Purchase Orders' screen, and the bottom screenshot shows the 'Tasks' screen.

Purchase Orders Screen

Header: OpenERP S.A. (test_newstock2) Administrator2223ddd

Navigation: Reconfigure | Customers | Products

Menu: SALES, PURCHASES, WAREHOUSE, ACCOUNTING, MARKETING, KNOWLEDGE, TOOLS, ADMINISTRATION

Left Sidebar: Purchase Management, Requests for Quotation, Purchase Orders, Address Book, Receive Products, Invoice Control, Products, Reporting

Starred Section: Purchase Orders

Buttons: QUOTATIONS, TO APPROVE, APPROVED, EXCEPTION, TO BE INVOICED

Search Fields: Reference, Supplier, Product, Responsible (Administrator2223ddd)

Group By: Search, Clear, -- Filters --

Purchase Order Table:

| REFERENCE | ORDER DATE | SUPPLIER | COMPANY | DESTINATION | EXPECTED DATE | SOURCE DOCUMENT | INVOICED | RECEIVED | UNTAXED AMOUNT | TOTAL | STATE |
|-----------|------------|------------|--------------|-------------|---------------|-----------------|----------|----------|----------------|--------|----------|
| P000014 | 10/21/2010 | Distrib PC | OpenERP S.A. | Input | 10/23/2010 | | 0.0% | 0.0% | 300.00 | 300.00 | Approved |
| P000013 | 10/21/2010 | Distrib PC | OpenERP S.A. | Input | 10/23/2010 | | 0.0% | 0.0% | 300.00 | 300.00 | Approved |

Tasks Screen

Header: OpenERP S.A. (test_project) Administrator

Navigation: Reconfigure | Customers | Products

Menu: SALES, PROJECT, ACCOUNTING, HUMAN RESOURCES, ADMINISTRATION

Left Sidebar: Project, Projects, Tasks, Scrum, Time Tracking, Reporting, Configuration

Starred Section: Tasks

Buttons: CURRENT, IN PROGRESS, PENDING, EDIT, DEADLINES

Search Fields: Task Summary, Project, Sprint, Assigned to (Administrator)

Group By: Search, Clear, -- Filters --

Task Summary Table:

| PROJECT | TASK SUMMARY | ASSIGNED TO | REMAINING HOURS | STAGE | PROGRESS (%) | STATE |
|-------------------------------------|------------------------------------|---------------|-----------------|-------------|--------------|-------------|
| Specific Developments | | | 56.00 | | 12.5% | |
| Specific Developments | Specific adaptation to MRP | Administrator | 38:00 | Development | 0.0% | Draft |
| Specific Developments | Validation + latest modifications. | Administrator | 18:00 | | 25.0% | In Progress |
| Install, data import, configuration | | | 24.00 | | 25.0% | |
| | | | 80.00 | | | |

- Improved modularity
 - e.g: procurement (follows), analytic, resource
- Global Code Review
 - Modules rewritten: crm, hr, caldav,
 - Performance improvements: lists, reports
 - Lint cleanup
 - Simpler aggregation/reporting objects
- Hundreds of tests
- Lots of source code lines removed

- Dedicated R&D Teams
- SCRUM methodology
- Bug qualification team
- Testing tools and test suite
- Continuous integration system: Buildbot

More on this in Part 2...

- New views: search, diagram, improved lists
- Improved API – core objects
- Focus on reusable and generic features
 - custom filters
 - mail.gateway, caldav, resources
- Multi-company built-in

» Let's zoom in...

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- Improves over built-in search features in v5
- Always associated with other view: list, calendar, ...
- Deprecates `select=1`, `select=2` → `select = True`
- New view type: `<search>`
- Two main building blocks:
 - `<field name='... '>`
 - `<filter domain='...' context='... '>`
- Structured with:
 - `<group>`
 - `<separator>`
 - `<newline>`

```

1 <search string="Search Project">
2   <group col='15' colspan='4'>
3     <filter icon="terp-check" string="Current" name="current"
4       domain="[( 'state', 'in', ('open', 'pending'))]"
5       help="Open and Pending Projects"/>
6     <separator orientation="vertical"/>
7     <field name="name" string="Project Name"/>
8     <field name="user_id" string="Project Manager">
9       <filter domain="[( 'user_id', '=', uid)]" icon="terp-personal"
10      help="Projects in which I am a manage" />
11     </field>
12     <field name="partner_id" string="Partner"/>
13   </group>
14   <newline />
15   <group expand="0" string="Group By..." colspan="4" col="20"
16     groups="base.group_extended">
17     <filter string="Manager" name="Manager" icon="terp-personal"
18       domain = "[]" context="{ 'group_by': 'user_id' }"/>
19     <separator orientation="vertical"/>
20     <filter string="Parent" name="Parent" help="Parent Project"
21       icon="terp-folder-blue" domain = "[]"
22       context="{ 'group_by': 'parent_id' }"/>
23   </group>
24 </search>

```


- `<fields>` with embedded `<filters>`
- Advanced attributes for `<field>`:
 - `context="{ 'country_visible': True}"`
 - `domain="[('country_id', '=', 'Belgium')]"`
 - `filter_domain="['|', ('location_to', '=', self), ('location_src', '=', self)]"`
- Default values for filters and fields, via action context:
 - `context="{ 'search_default_filter1': True}"`
 - `context="{ 'search_default_field1': 'test'}"`
 - `context="{ 'search_default_field1': lang}"`
- Specific search view can be forced in caller action:
 - `<field name="search_view_id"
ref="view_project_project_filter"/>`

- context attribute of elements can toggle aggregation of associated list views
 - ```
<filter string="Manager"
 name="manager"
 icon="terp-personal"
 context="{ 'group_by': 'user_id' }"/>
```
- Multiple group-by levels are supported
  - ```
<filter string="Manager,State"
      name="manager_state"
      context="{ 'group_by': [ 'user_id', 'state' ] }"/>
```
- Order of group-by entries matters!

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Tasks New 1 - 56 of 56

| <input type="checkbox"/> | DESCRIPTION | PROJECT | RESPONSIBLE | REMAINING HOURS | STAGE | PROGRESS (%) | STATE | |
|--------------------------|----------------------------------|--|-------------|-----------------|-------------|-----------------------------|-------|--|
| <input type="checkbox"/> | Customer analysis + Architecture | Study + Prototype | Demo User | 16:00 | Development | <div><div></div></div> 0.0% | Draft | |
| <input type="checkbox"/> | Prepare Requirements Document | Integrate a Sale and Warehouse Management. | Phuong | 00:00 | | <div><div></div></div> 0.0% | Draft | |
| <input type="checkbox"/> | Make SRS | Integrate a Sale and Warehouse Management. | Anthony | 00:00 | | <div><div></div></div> 0.0% | Draft | |
| <input type="checkbox"/> | Design Use Cases | Integrate a Sale and Warehouse Management. | Quentin | 00:00 | | <div><div></div></div> 0.0% | Draft | |
| <input type="checkbox"/> | Budget Planning | Integrate a Sale and Warehouse Management. | Francois | 00:00 | | <div><div></div></div> 0.0% | Draft | |
| <input type="checkbox"/> | Quality Planning | Integrate a Sale and Warehouse Management. | Julien | 00:00 | | <div><div></div></div> 0.0% | Draft | |

- List views can now display buttons
 - Regular <button> elements as in form views
 - Action/Method/Workflow called on single record
- Columns can be toggled via context
 - context = {'section_mode': True}
 - <field name="country_id" invisible="context.get('invisible_country')">

| Project | Task Summary | Assigned to | Hours Spent | Remaining Hours | Progress (%) | State |
|--|------------------------------------|---------------|--------------|-----------------|---------------|-------------|
| ▼ Specific Developments (2) | | | 00:00 | 62:00 | 0.00 % | |
| Specific Developments | Specific adaptation to MRP | Administrator | 00:00 | 38:00 | 0.00 % | Draft |
| Specific Developments | Validation + latest modifications. | Administrator | 00:00 | 24:00 | 0.00 % | In Progress |
| ► Install, data import, configuration (1) | | | 00:00 | 32:00 | 0.00 % | |

- List views now support aggregation aka group-by
 - Simple or multiple level aggregation
 - Controlled via context: e.g. search view or caller action


```
context = {'group_by': ['field_1', 'field_2']}
```
 - All contexts are combined
 - Aggregated columns shown on group header
 - » Numeric fields summed by default
 - » Set group_operator in _columns to customize (avg, min, ...)
- New server-side API method: read_group()

- Combine group_by values to get quick and intuitive real-time analysis
- When individual records are too low-level or irrelevant, hide them (e.g. stock moves) :
 - `context = {'group_by_no_leaf': 1}`

★ **Inventory Analysis** ?

☒ REAL
 ☐ FUTURE
 ☒ INTERNAL
 Product:
 Location:
 Company:

► Extended Filters...

▼ Group By...

☒ PARTNER
 ☐ PRODUCT CATEGORY
 ☒ PRODUCT
 ☐ LOT
 ☐ LOCATION
 ☐ DATE
 ☐ STATE

Search Clear -- Filters -- ▼

| Inventory Analysis | | |
|--------------------------------------|----------|-------------|
| PRODUCT | QUANTITY | TOTAL VALUE |
| [PC1] Basic PC | 13.000 | 3,900.000 |
| [PC3] Medium PC | 8.000 | 4,800.000 |
| [MB1] Mainboard ASUSTek A7N8X | 15.000 | 810.000 |
| [MB2] Mainboard ASUSTek A7V8X-X | 10.000 | 1,800.000 |
| [CPU1] Processor AMD Athlon XP 1800+ | 19.000 | 950.000 |
| [CPU3] Processor AMD Athlon XP 2200+ | 8.000 | 800.000 |

1 - 17 of 17

```

34 class crm_lead_report(osv.osv):
35     """ CRM Lead Report """
36     _name = "crm.lead.report"
37     _auto = False
38     _description = "CRM Lead Report"
39
40     _columns = {
41         'name': fields.char('Year', size=64, required=False, readonly=True),
42         'user_id': fields.many2one('res.users', 'User', readonly=True),
43         'country_id': fields.many2one('res.country', 'Country', readonly=True),
44         'section_id': fields.many2one('crm.case.section', 'Sales Team', readonly=True),
45         'channel_id': fields.many2one('res.partner.canal', 'Channel', readonly=True),
46     }
47
48     def init(self, cr):
49         tools.drop_view_if_exists(cr, 'crm_lead_report')
50         cr.execute("""
51             CREATE OR REPLACE VIEW crm_lead_report AS (
52                 SELECT
53                     id,
54                     to_char(c.create_date, 'YYYY') as name,
55                     to_char(c.create_date, 'MM') as month,
56                     to_char(c.create_date, 'YYYY-MM-DD') as day,
57                     to_char(c.create_date, 'YYYY-MM-DD') as creation_date,
58                     to_char(c.date_open, 'YYYY-MM-DD') as opening_date,
59                     to_char(c.date_closed, 'YYYY-mm-dd') as date_closed,
60                     c.state,
61
62                 FROM
63                     crm_lead c
64             )""")
65
66 crm_lead_report()

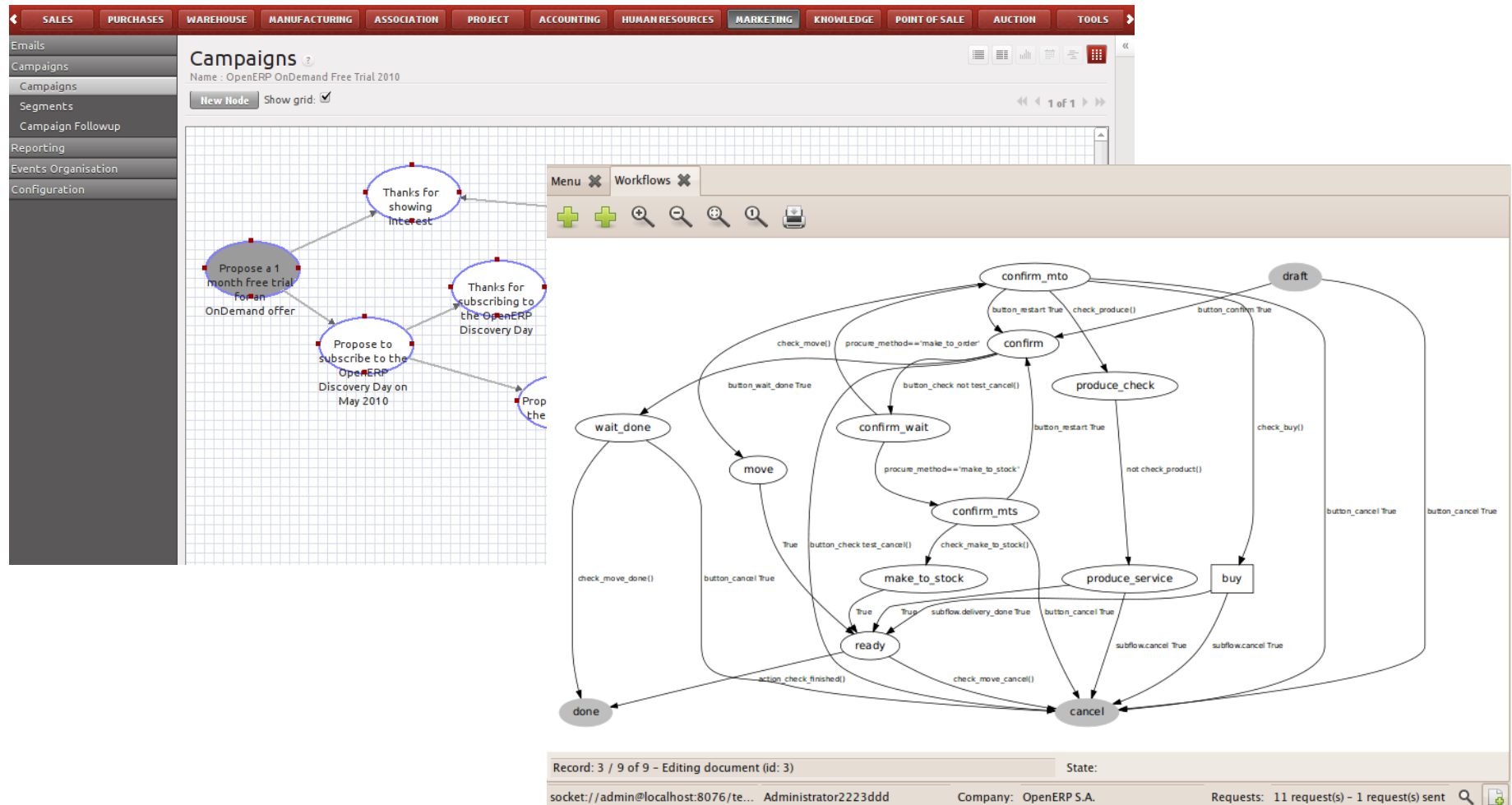
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- Workflow Editor existed in Web Client 5.0
- Transformed into generic view, available in GTK too
- New <diagram> view type
- Constructed with
 - `<node object="node.model"
shape="..."
bgcolor="...">`
 - `<arrow object="transition.model"
source="source_field"
destination="dest_field" >`
 - `<field>` (included in quick view)
- Objects must form a coherent graph
- `<node>` model must have a many2one to its container

```
1<diagram string="Workflow Editor">
2  <node object="workflow.activity" shape="rectangle:subflow_id!=False"
3    bgcolor="gray:flow_start==True;grey:flow_stop==True">
4    <field name="name"/>
5    <field name="kind"/>
6    <field name="action"/>
7    <field name="flow_start" invisible="1"/>
8    <field name="flow_stop" invisible="1"/>
9    <field name="subflow_id" invisible="1"/>
10  </node>
11  <arrow object="workflow.transition" source="act_from" destination="act_to"
12    label="['signal','condition']">
13    <field name="act_from"/>
14    <field name="act_to"/>
15    <field name="signal"/>
16  </arrow>
17</diagram>
```

- Allows graphical definition of complex structures



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- Now built-in in all applications
- multi_company module = demo data only
- in-depth review added specific internal operations:
 - e.g. for warehouse management:
 - » inventory push/pull flows, transit locations
 - » multi-company invoice control based on push/pull flows
 - » More on this in functional training (tomorrow PM)

- Many models now have a direct or indirect link to a company (many2one or related field)
 - e.g: sale.order.line → sale.order → shop → company
- Relevant company is assigned when creating new records
- Special group is needed to view multi-company fields
 - Useability/Multi Companies
- Users can belong to several companies, but select the one the current context they work in, via Preferences
- Visibility of records depends on Company they belong to, current Company of user, and Record Rules.

- Record rules have been improved since v5.0
- No more rule groups – directly linked to user groups
- Now controlled per mode: create/read/update/delete
- Strong security semantics between “global” and “local” (group-specific) rules
 - Global rules cannot be bypassed under any circumstance, and always restrict the access
 - Local rules are additive and grant more access

`global1 AND global2 AND (local1 OR local2)`

Menu ✕ Workflows ✕ Record Rules ✕

Global
Full Access
Read Access
Write Access

Object :
Global :
Groups :

+ Group By...

Find
Clear
-- Filters --
100

| Object | Name | Global | Domain |
|--------------------------|--------------------------------|-------------------------------------|--|
| Partner | test partner man | <input type="checkbox"/> | [('name','ilike','a')] |
| Partner | res.partner company | <input checked="" type="checkbox"/> | [('company_id','child_of',[user.company_id.id]),('company_id','!=',False)] |
| Default multi company | Multi_company_default company | <input checked="" type="checkbox"/> | [('company_id','child_of',[user.company_id.id])] |
| res.users | user rule | <input checked="" type="checkbox"/> | |
| ir.property | Property multi-company | <input checked="" type="checkbox"/> | |
| Product Template | Product multi-company | <input checked="" type="checkbox"/> | |
| Analytic Account | Analytic multi company rule | <input checked="" type="checkbox"/> | |
| account.tax | Tax multi-company | <input checked="" type="checkbox"/> | |
| Account | Account multi-company | <input checked="" type="checkbox"/> | |
| Journal | Journal multi-company | <input checked="" type="checkbox"/> | |
| Fiscal Year | Fiscal year multi-company | <input checked="" type="checkbox"/> | |
| Account period | Period multi-company | <input checked="" type="checkbox"/> | |
| Journal Period | Journal Period | <input checked="" type="checkbox"/> | |
| Account Entry | Account Entry | <input checked="" type="checkbox"/> | |
| Tax Code | Tax code multi-company | <input checked="" type="checkbox"/> | |
| Account Model | Account model company rule | <input checked="" type="checkbox"/> | |
| account.analytic.journal | Analytic journal multi-company | <input checked="" type="checkbox"/> | |
| account.analytic.journal | Analytic journal multi-company | <input checked="" type="checkbox"/> | |

Menu ✕ Workflows ✕ Record Rules ✕

General
Access Rights

Name : Analytic multi company rule
Object : Analytic Account

Apply For Read : ☒
Apply For Write : ☒
Apply For Create : ☒
Apply For Delete : ☒

Domain Setup

Domain : [('company_id','!=',False),(company_id,'child_of',[user.company_id.id])]

Groups (no group = global)

Global : ☒

Group Name

Combination of rules

1. Global rules are combined together with a logical AND operator, and with the result of the following steps
2. Group-specific rules are combined together with a logical AND operator
3. If user belongs to several groups, the results from step 2 are combined with logical OR operator
Example: GLOBAL_RULE_1 AND GLOBAL_RULE_2 AND ((GROUP_A_RULE_1 AND GROUP_A_RULE_2) OR (GROUP_B_RULE_1 AND GROUP_B_RULE_2))

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- New YAML data serialization supported in v6
- Data-oriented syntax *“YAML Ain't a Markup Language”*
- Whitespace delimiters, Python-like
- Human-readable
 - no quotes, brackets, braces, ... by default
- Works very well for data, quite suited for tests

```
receipt:      Oz-Ware Purchase Invoice
date:         2007-08-06
customer:     Dorothy Gale
items:
  - part_no:   A4786
    descrip:   Water Bucket (Filled)
    price:     1.47
    quantity:  4
```

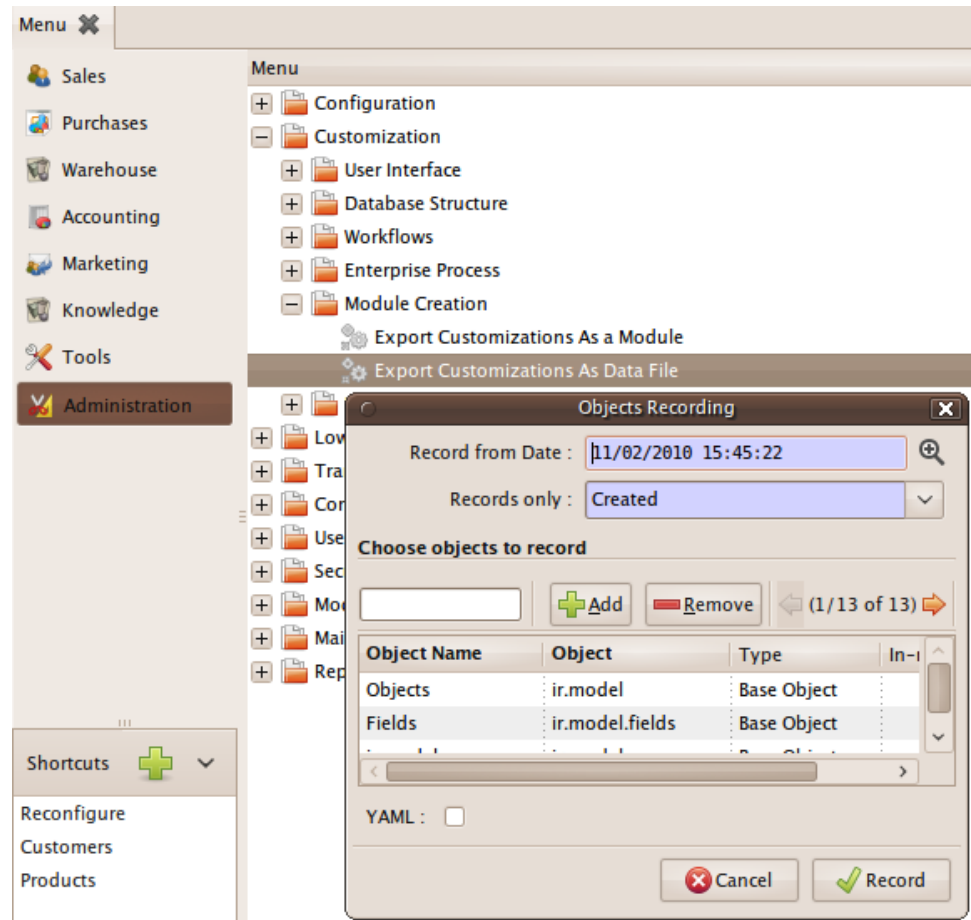
- Supports everything supported by XML and more
 - Calling internal service such as workflows
 - Arbitrary python code
- When added to the test section of the module descriptor, tests are rolled back by default
- New logging level `test` for showing test results

- OpenERP supports specific custom types:
 - `!record {model: res_model, id: xml_id, context: {...} }`
 - `!python {model: res_model}`
 - `!workflow {model:res_model, action:signal, ref: xml_id}`
- And equivalents for all XML supported elements
 - `!act_window`
 - `!report`
 - `!function`
 - `!menuitem`
 - `!assert`
 - `etc.`

```
3 -  
4 Create project 'OpenERP Training Programme'  
5 -  
6 !record {model: project.project, id: project_project_openerptrainingprogramme0}:  
7     company_id: base.main_company  
8     name: OpenERP Training Programme  
9 -  
10 Create task 'Technical Training' for this project  
11 -  
12 !record {model: project.task, id: project_task_technicaltraining0}:  
13     date_start: '2010-05-31 11:48:38'  
14     name: Technical Training  
15     planned_hours: 30.0  
16     project_id: project_project_openerptrainingprogramme0  
17     remaining_hours: 30.0  
18     state: draft
```

```
179 -
180 Make a work task entry 'Training on workflows' of 10 hours
181 -
182 !record {model: project.task, id: project_task_technicaltraining0, context: {'no_analytic_entry': True}}:
183   work_ids:
184     - date: '2010-06-02 15:05:24'
185       hours: 10.0
186       name: Training on workflows
187       user_id: base.user_root
188 -
189 Reevaluate the task
190 -
191 !python {model: project.task.reevaluate}: |
192   self.compute_hours(cr, uid, [ref("config_compute_remaining_0")], {"lang": "en_US",
193     "project_id": False, "tz": False, "active_model": "project.task", "search_default_project_id":
194     False, "search_default_user_id": 1, "search_default_current": 1, "active_ids":
195     [ref("project_task_technicaltraining0")], "active_id": ref("project_task_technicaltraining0"), })
196
197 -
198 Check for effective hours and remaining hours, remaining_hours must be 10 while planned_hours remains 30
199 -
200 !assert {model: project.task, id: project_task_technicaltraining0, severity: error, string: After... }
201   - planned_hours == 30
202   - remaining_hours == 10.0
203   - effective_hours == 30.0
```

- base_module_record can now output YAML as well



- <http://test.openobject.com> (buildbot) builds each of our hundreds of YAML tests after each commit

```

[6][test_project] INFO:init:module pro
[6][test_project] INFO:init:module pro
[9][test_project] INFO:init:module pro
[9][test_project] INFO:init:module pro
[2][test_project] INFO:init:module pro
[2][test_project] INFO:init:module pro
[6][test_project] INFO:init:module pro
[9][test_project] INFO:init:module pro
[4][test_project] INFO:init:module pro
[28][test_project] INFO:init:module pro
[62][test_project] INFO:init:module pro
[27][test_project] TEST:tests.project:T
[27][test_project] TEST:tests.project:C
[37][test_project] TEST:tests.project:C
[2][test_project] TEST:tests.project:S
[2][test_project] TEST:tests.project:S
[6][test_project] TEST:tests.project:C
[9][test_project] TEST:tests.project:C
[9][test_project] TEST:tests.project:R
[23][test_project] TEST:tests.project:C
[26][test_project] TEST:tests.project:T
[26][test_project] TEST:tests.project:K
[10][test_project] TEST:tests.project:C
[13][test_project] TEST:tests.project:C
[37][test_project] TEST:tests.project:Check if project in cancel state
[90][test_project] TEST:tests.project:Re-open the project
[90][test_project] TEST:tests.project:Check if project in open state
[2][test_project] TEST:tests.project:Test for task work allocation
[2][test_project] TEST:tests.project:As i cancelled my project before, i check if the task

```

The screenshot shows the Open Object Community website. The header includes the Open Object logo and navigation links for Open ERP, On Demand, and Community. The main content area is divided into several sections: Teams, Projects, Documents, and Automated Tests. The Automated Tests section features a table with columns for Branches / Builds, Build: Last, Build: -1, Build: -2, Build: -3, Build: -4, and Current Status. The table lists various buildbot runs for different branches, including 'buildbot trunk-dev-addons2', 'buildbot trunk-dev-addons3', 'buildbot trunk-dev-addons1', 'buildbot trunk-dev-framework', and 'buildbot report_dev'. Each row shows the build number, the user who triggered the build, the build status (e.g., 'buildsuccessful', 'failed', 'warnings'), and the current status (e.g., 'idle', 'exception').

| Branches / Builds | Build: Last | Build: -1 | Build: -2 | Build: -3 | Build: -4 | Current Status |
|----------------------------------|---|--|--|--|--|----------------|
| buildbot openobject-addons | 3974-u'Launchpad Translations on behalf of openerp': failed Tue 30 Nov 2010 05:59:47 | 3973-u'oh@tinyerp.com': failed Mon 29 Nov 2010 14:39:41 | 3972-Olivier Dony : failed Mon 29 Nov 2010 10:49:41 | 3971-u'oh@tinyerp.com': failed Mon 29 Nov 2010 09:39:42 | 3970-u'Launchpad Translations on behalf of openerp': failed Mon 29 Nov 2010 05:59:43 | idle |
| buildbot trunk-dev-addons2 | 3876-tpa (Open ERP) : failed Thu 25 Nov 2010 06:37:43 | 3875-u'qdp-launchpad@tinyerp.com': buildsuccessful Wed 24 Nov 2010 18:27:35 | 3874-u'qdp-launchpad@tinyerp.com': buildsuccessful Wed 24 Nov 2010 18:17:33 | 3873-u'qdp-launchpad@tinyerp.com': buildsuccessful Wed 24 Nov 2010 18:07:37 | 3871-u'qdp-launchpad@tinyerp.com': buildsuccessful Wed 24 Nov 2010 18:07:36 | idle |
| buildbot openobject-server-trunk | 3055-Olivier Dony : buildsuccessful Tue 30 Nov 2010 12:19:41 | 3054-u'Launchpad Translations on behalf of openerp': buildsuccessful Tue 30 Nov 2010 05:49:40 | 3053-François Degraive : buildsuccessful Mon 29 Nov 2010 15:39:40 | 3052-Olivier Dony : buildsuccessful Mon 29 Nov 2010 15:19:40 | 3051-u'Launchpad Translations on behalf of openerp': buildsuccessful Mon 29 Nov 2010 05:59:40 | idle |
| buildbot trunk-dev-addons3 | 4705-Olivier Dony : buildsuccessful Sat 27 Nov 2010 13:07:22 | 4701-u'qdp-launchpad@tinyerp.com': failed Fri 26 Nov 2010 17:07:38 | 4703-u'qdp-launchpad@tinyerp.com': buildsuccessful Fri 26 Nov 2010 17:07:38 | 4704-u'qdp-launchpad@tinyerp.com': buildsuccessful Fri 26 Nov 2010 17:07:38 | 4702-u'qdp-launchpad@tinyerp.com': exception Fri 26 Nov 2010 17:07:38 | idle |
| buildbot trunk-addons-stock | 3841-Olivier Dony : warnings Fri 15 Oct 2010 15:23:42 | 3840-Olivier Dony : failed Fri 15 Oct 2010 14:13:43 | 3839-Olivier Dony : buildsuccessful Fri 15 Oct 2010 14:13:43 | 3838-Olivier Dony : buildsuccessful Fri 15 Oct 2010 14:13:42 | 3837-sbh (Open ERP) : buildsuccessful Fri 15 Oct 2010 12:13:39 | idle |
| buildbot trunk-dev-addons1 | 4569-Olivier Dony : buildsuccessful Sat 27 Nov 2010 13:15:38 | 4562-Thibault Francois : failed Sat 27 Nov 2010 13:15:37 | 4568-Sbh (Open ERP) : buildsuccessful Thu 25 Nov 2010 12:37:33 | 4567-Sbh (Open ERP) : buildsuccessful Thu 25 Nov 2010 11:57:31 | 4566-Harry (Open ERP) : buildsuccessful Thu 25 Nov 2010 08:27:32 | idle |
| buildbot trunk-dev-framework | 2262-Harry (OpenERP) : failed Fri 19 Nov 2010 08:37:29 | 2261-Harry (OpenERP) : warnings Thu 04 Nov 2010 09:49:25 | 2260-Harry (OpenERP) : warnings Thu 04 Nov 2010 06:59:25 | 2259-Harry (OpenERP) : buildsuccessful Thu 28 Oct 2010 14:23:40 | 2258-Harry (Open ERP) : buildsuccessful Thu 28 Oct 2010 14:13:39 | idle |
| buildbot report_dev | 5117-u'qdp-launchpad@tinyerp.com': buildsuccessful Thu 25 Nov 2010 18:57:34 | 5115-u'qdp-launchpad@tinyerp.com': buildsuccessful Thu 25 Nov 2010 15:47:31 | 5116-u'qdp-launchpad@tinyerp.com': buildsuccessful Thu 25 Nov 2010 15:47:31 | 5114-u'qdp-launchpad@tinyerp.com': buildsuccessful Thu 25 Nov 2010 11:27:33 | 5113-u'qdp-launchpad@tinyerp.com': warnings Wed 24 Nov 2010 15:47:34 | idle |

- Part 1
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- Several Guidelines sections have been added to the online documentation (doc.openERP.com)
 - Coding Guidelines
 - YAML Guidelines
 - Usability Book (including guidelines)
- Usability guidelines are very important for 6.0!
- Needed to maintain coherent look and feel
- Help users directly locate what they need, when they need it, to be efficient *“Don't make me think”*
- Hide the complexity!

- Integrate within Business Applications
 - Note: Groups and Access Rights are per Business Application (not per module)
- Keep menu structure “lean”, and in logical sequence
- Design Search Views
- Integrate/use the new configuration wizards
 - See new `res.config` and `res.config.installer` core classes
- Add Dashboard views and real-time Reports (`group_by`)

- Most important items / First ones at top
- Reporting is at bottom
- Configuration is hidden (admin only)
- Use short, business-oriented names
- Example:
 - Main application
 - » (Address book)
 - » ... other items ...
 - » (Billing)
 - » (Products)
 - » Reporting
 - » Configuration

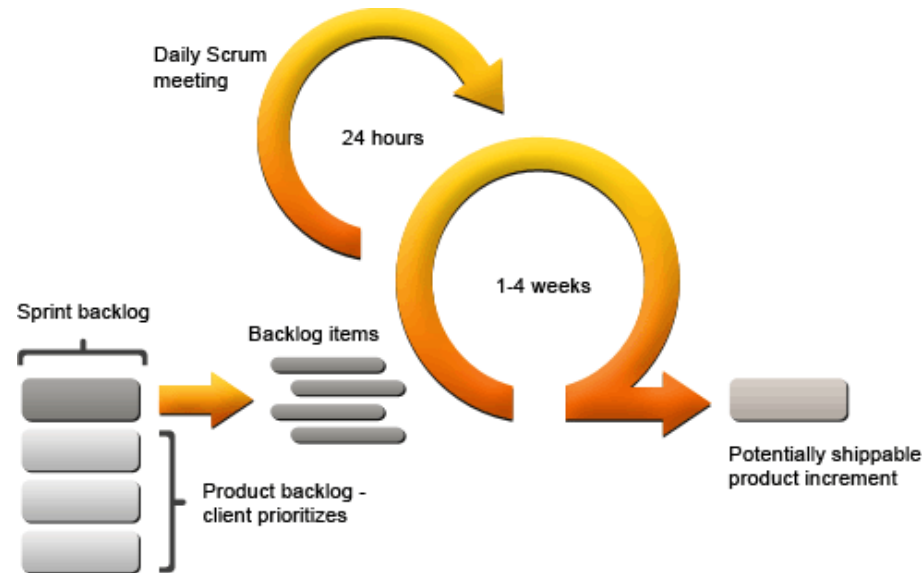
The screenshot displays the OpenERP search view interface. At the top, there are buttons for 'Current', 'Open', and 'Pending' status, followed by 'Today' and '7 Days' date filters. To the right are search fields for 'Subject', 'Customer Name', 'Email', 'Salesman', and a 'Sales Team' dropdown menu. Below these is a collapsed 'Extended Filters...' section containing 'Stage', 'Category', and 'Country' dropdowns, and 'Creation Date' and 'Closed' date range pickers. Further down is a collapsed 'Group By...' section with buttons for 'Salesman', 'Team', 'Referrer', 'Category', 'Campaign', 'Channel', 'Stage', 'State', and 'Creation'. At the bottom are 'Find' and 'Clear' buttons, a '- Filters -' dropdown, a '+ Add Filter' button, and a '100' items per page selector.

- Filters are on top-left, grouped by context, most important ones first
- Then search fields, same order as list columns
- Optional collapsed group for “Extended filters”
 - Organized by logical context
 - Add nested filter to toggle column visibility when useful
- Optional collapsed group for “Group-By”
 - Buttons organized by logical context
 - Usually: Persons, Document States, Places, Dates

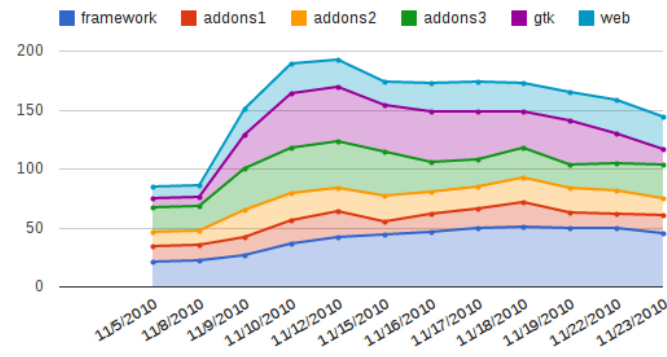
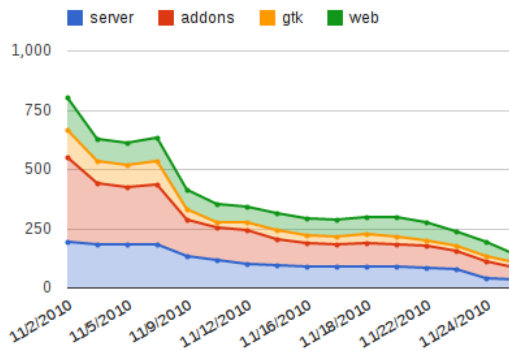
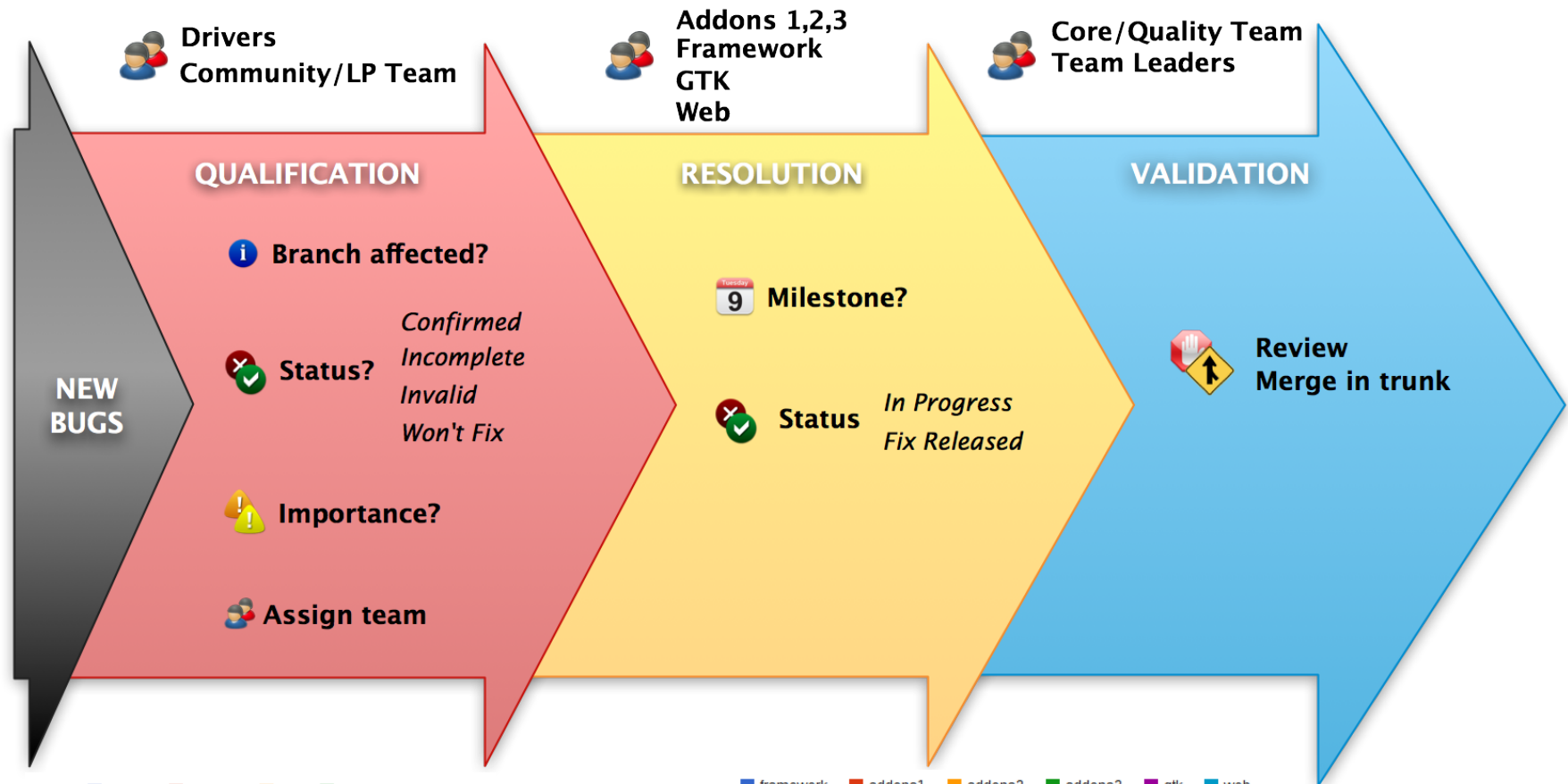
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- Agile methodology for Product development: SCRUM
- Formal Bug management and Bug handling process
 - R&D teams distinct from Support/Maintenance teams
- Strong focus on
 - Quality
 - Peer Reviews
 - Continuous testing
 - Continuous improvement

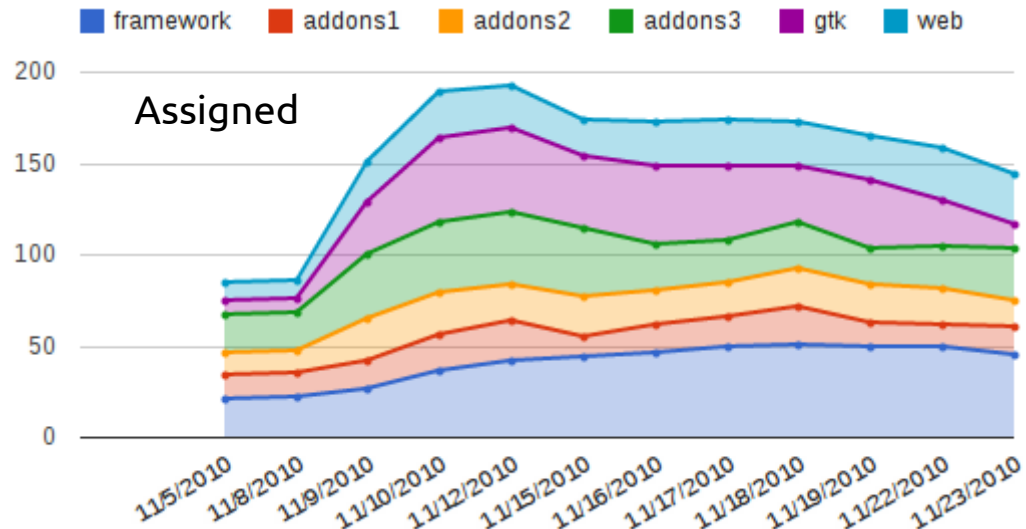
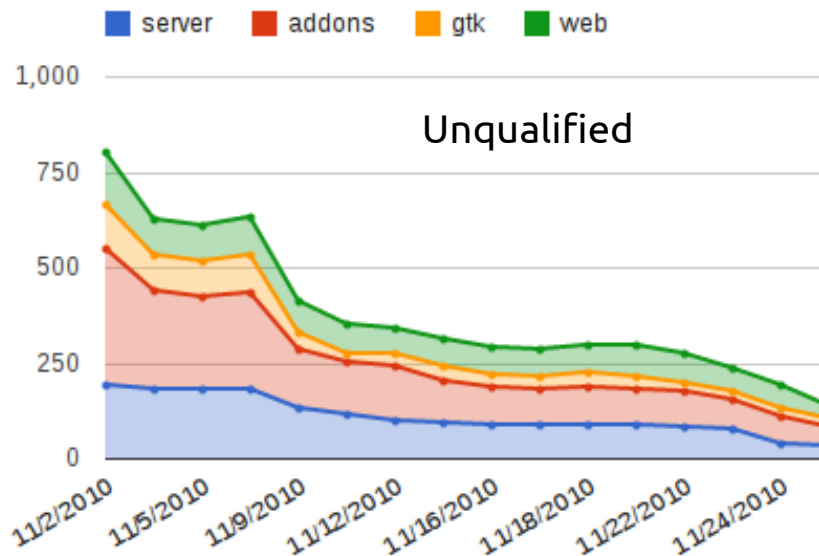
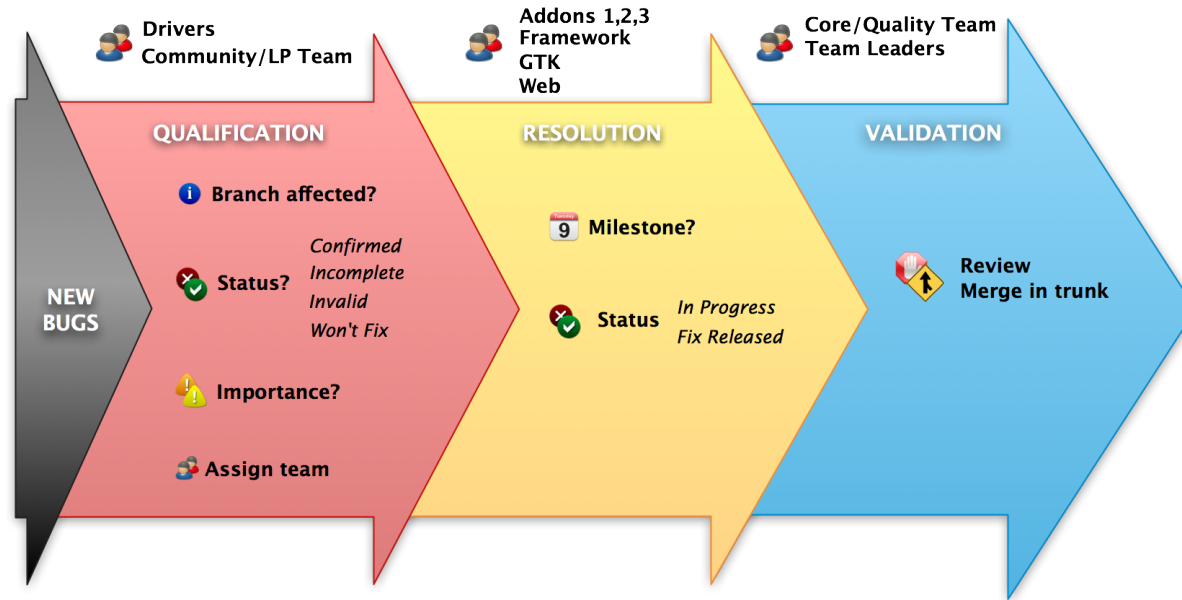
- Agile SCRUM sprints
- Sprint contents: Product backlog + Launchpad
- R&D Teams:
 - Web, GTK, Framework
 - Addons1, Addons2, Addons3
- All code reviewed by team leaders before end-of-sprint and merge into trunk



Bug Management Process



Bug Management Process



test.openobject.com/builders/buildbot-openobject-addons/builds/458



Beta

Home Latest builds Waterfall Grid T-Grid Console Builders Recent Builds Buildsaves Changesources - About

Builder buildbot-openobject-addons

test.openobject.com/builders/buildbot-openobject-addons/builds/458/tests/purchase.test

Reason:

1. purchase/test/purchase_from_manual.yml[warning]: Assertion
2. purchase/test/purchase_from_picking.yml[warning]: Assertion
3. /usr/lib/python2.6/dist-packages/reportlab/graphics/barcode/

Results:

Warnings openerp-test

buildbot.status.builder.BuildStatus

1. account.install: Success
2. account.test: Success
3. account_accountant.install: Success
4. account_analytic_analysis.install: Success
5. account_analytic_default.install: Success
6. account_analytic_plans.install: Success
7. account_analytic_plans.test: Success
8. account_anglo_saxon.install: Success
9. account_budget.install: Success
10. account_budget.test: Success
11. account_cancel.install: Success
12. account_chart.install: Success
13. account_coda.install: Success
14. account_followup.install: Success
15. account_followup.test: Success
16. account_invoice_layout.install: Success
17. account_payment.install: Success
18. account_payment.test: Success
19. account_reporting.install: Success
20. account_reporting.test: Success
21. account_voucher.install: Success
22. account_voucher.test: Success
23. analytic.install: Success
24. analytic_journal_billing_rate.install: Success



Beta

Home Latest builds Waterfall Grid T-Grid Console Builders Recent Builds Buildsaves Changesources - About

Builder buildbot-openobject-addons build #458 test purchase.test

Result

Warnings

purchase/test/purchase_from_manual.yml[warning]: AssertionError in Python code : Pending Invoice is not created!
purchase/test/purchase_from_picking.yml[warning]: AssertionError in Python code : Pending Invoice is not created!

Logs

Log: stdout

```
[2010-11-02 08:13:02,673][openobject-addons] TEST:tests.purchase:In order to test the purchase flow,I start by creating a new pi
[2010-11-02 08:13:02,853][openobject-addons] TEST:tests.purchase:In order to test the purchase flow,I create a new record where
[2010-11-02 08:13:02,853][openobject-addons] TEST:tests.purchase:I create purchase order for iPod.
[2010-11-02 08:13:02,880][openobject-addons] TEST:tests.purchase:Initially purchase order is in the draft state.
[2010-11-02 08:13:02,882][openobject-addons] TEST:tests.purchase:I confirm the purchase order for iPod.
[2010-11-02 08:13:03,774][openobject-addons] TEST:tests.purchase:I check that the order which was initially in the draft state !
[2010-11-02 08:13:03,776][openobject-addons] TEST:tests.purchase:I check that an entry gets created in the "Lines to Invoice" of
[2010-11-02 08:13:03,779][openobject-addons] TEST:tests.purchase:To check that wizard "Create Invoices" gets called.
[2010-11-02 08:13:03,779][openobject-addons] TEST:tests.purchase:I create purchase order line invoice entry.
[2010-11-02 08:13:03,779][openobject-addons] TEST:tests.purchase:I create invoice for products in the purchase order.
[2010-11-02 08:13:03,801][openobject-addons] TEST:tests.purchase:I check that invoice gets created.
[2010-11-02 08:13:03,804][openobject-addons] TEST:tests.purchase:I check that a record gets created in the Pending Invoices.
[2010-11-02 08:13:03,806][openobject-addons] TEST:tests.purchase:I check that the order which was initially in the confirmed st
[2010-11-02 08:13:03,807][openobject-addons] TEST:tests.purchase:I check that date_approve field of Delivery&Invoices gets bind
[2010-11-02 08:13:03,809][openobject-addons] TEST:tests.purchase:I check that an entry gets created in the pickings.
[2010-11-02 08:13:03,810][openobject-addons] TEST:tests.purchase:I check that an entry gets created in the stock moves.
[2010-11-02 08:13:03,814][openobject-addons] TEST:tests.purchase:I check that Traceability moves are created.
[2010-11-02 08:13:03,815][openobject-addons] TEST:tests.purchase:I check that an invoice_id field of Delivery&Invoices gets bind
[2010-11-02 08:13:03,851][openobject-addons] TEST:tests.purchase:In order to test the purchase flow,I start by creating a new pi
[2010-11-02 08:13:03,966][openobject-addons] TEST:tests.purchase:In order to test the purchase flow,I create a new record where
[2010-11-02 08:13:03,966][openobject-addons] TEST:tests.purchase:I create purchase order for iPod.
[2010-11-02 08:13:03,990][openobject-addons] TEST:tests.purchase:Initially purchase order is in the draft state
[2010-11-02 08:13:03,991][openobject-addons] TEST:tests.purchase:I confirm the purchase order.
[2010-11-02 08:13:04,718][openobject-addons] TEST:tests.purchase:I check that the order which was initially in the draft state !
[2010-11-02 08:13:04,719][openobject-addons] TEST:tests.purchase:I check that an entry gets created in the "Lines to Invoice" of
[2010-11-02 08:13:04,722][openobject-addons] TEST:tests.purchase:To check that wizard "Create Invoices" gets opened
[2010-11-02 08:13:04,722][openobject-addons] TEST:tests.purchase:I create purchase order line invoice entry.
[2010-11-02 08:13:04,722][openobject-addons] TEST:tests.purchase:I create invoice for products in the purchase order.
[2010-11-02 08:13:04,861][openobject-addons] TEST:tests.purchase:I check that invoice gets created.
[2010-11-02 08:13:04,864][openobject-addons] TEST:tests.purchase:I check that a record gets created in the Pending Invoices.
[2010-11-02 08:13:04,873][openobject-addons] WARNING: tests.purchase:AssertionError in Python code : Pending Invoice is not creat
[2010-11-02 08:13:04,873][openobject-addons] TEST:tests.purchase:I check that the order which was initially in the confirmed st
```

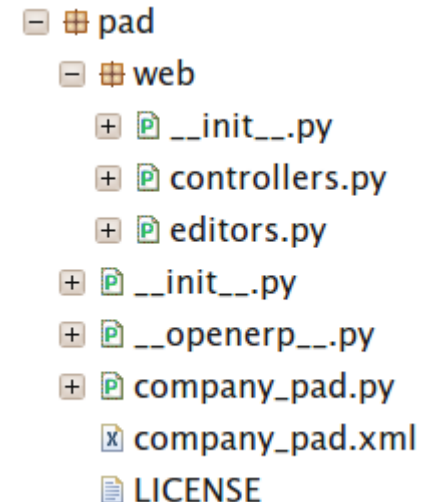
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 - **Web add-ons**
 - Miscellaneous improvements and tips

- Web client was overhauled for v6.0: design and technology
- Web client may now have add-ons
- Web Add-ons are embedded in regular modules
- Web Add-ons may alter the default web client in the following areas:
 - Controllers
 - Templates
 - Widgets



- Embedded within web directory inside module
- Easy deployment
- Inspired by server-side modules, but simplified

- `__openerp__.py`
 - name and dependencies, you may add your own metadata
- `__init__.py`
 - Python package, ensure that everything that needs to be loaded within web client is imported



- Inherit from either:
 - `openobject.controllers.BaseController`
 - `openerp.controllers.SecuredController`
(for logged-in controllers)
- CherryPy exposition of methods, `@expose` shortcut
- `_cp_path` to define the controller's root
- Can Python-inherit from existing controller object to extend
- Set same `_cp_path` to override existing controller


```
1 class Etherpad(openerp.controllers.SecuredController):
2     _cp_path = "/etherpad"
3
4     @expose('json', methods=('POST',))
5     def link(self, pad_name):
6         params, data = TinyDict.split(cherry.py.session['params'])
7         ctx = dict(rpc.session.context,
8                   default_res_model=params.model,
9                   default_res_id=params.id)
10
11         pad_link = make_link(pad_name)
12         attachment_id = rpc.RPCProxy('ir.attachment').create({
13             'name': pad_name,
14             'url': pad_link,
15             }, ctx)
16         return {
17             'id': attachment_id,
18             'name': pad_name,
19             'url': pad_link}
```

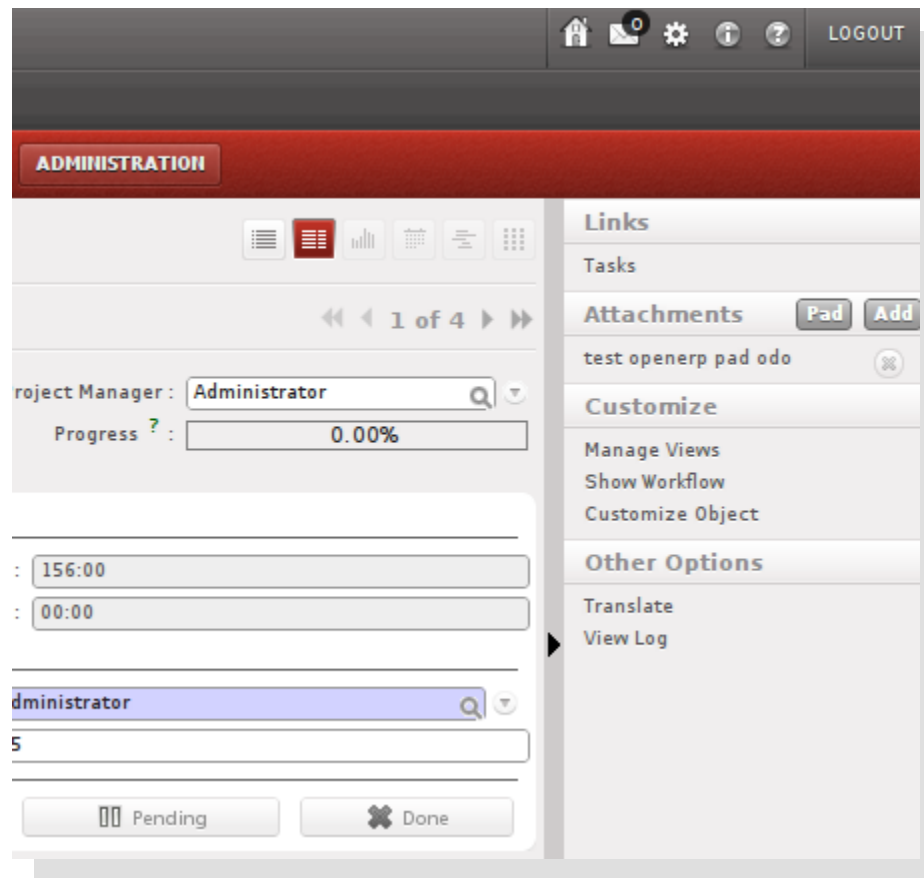

- Web client uses Mako-based templates
- Add-ons can register editor objects to do text manipulation of the “raw” mako code
- Example:

```

1 class SidebarTemplateEditor(openobject.templating.TemplateEditor):
2     templates = ['/openerp/widgets/templates/sidebar.mako']
3     ADD_ATTACHMENT_BUTTON = u'id="add-attachment"'
4
5     def edit(self, template, template_text):
6         output = super(SidebarTemplateEditor, self).edit(template, template_text)
7         form_opener_insertion = output.index(
8             '\n',
9             output.index(self.ADD_ATTACHMENT_BUTTON)) + 1
10        output = output[:form_opener_insertion] + \
11            '''<a href="#" id="add-pad" class="button-a"
12                style="right: 36px;"
13                >${_("Pad")}</a>\n''' + \
14            output[form_opener_insertion:]
15        return output

```

- See the pad module for an example



- Apart from web add-ons, `<html>` may now be embedded in XML views
- Supported by web client only
- See `html_view` module for an example

Example:

```

1<field name="arch" type="xml">
2  <form string="Html Example">
3    <html>
4      <h2>This is Test Html Page </h2>
5      <table>
6        <tr>
7          <td>
8            Name :
9          </td>
10         <td>
11           <field name="name"/>
12         </td>
13         <td>
14           Company :
15         </td>
16         <td>
17           <field name="comp_id"/>
18         </td>
19       </tr>
20     </table>
21     <field name="bank_ids"/>
22   </html>
23 </form>
24</field>

```

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- Simpler `__openerp__` structure: data, demo, test
- API:
 - `_defaults` may be literal
 - `_constraints`, `_sql_constraints` may be callables
- Security:
 - `safe_eval` replaced built-in `eval`
 - Private `_methods()` not callable via RPC
- Translations: improved and synchronized with LP
- Reporting engine more modular (e.g `report_webkit`)
- Performance improvements in RML reports
 - `<blockTable rowHeights="2cm" colWidths="11.0,7.0">`
 - Smarter translations, cached

- Actions have new properties:
 - `help="Business description for this action"`
 - `multi=True`
- Simpler XML declaration for wizards actions
- `res.roles => res.groups`
- No more roles by default in workflows
- `base_report_designer` includes OOo plugin

- For more info, see:
 - Updated Technical Memento (Partner Preview available)
 - Technical Presentation Webinar
 - Online Documentation

- Improved views in Admin menus, with XML IDs
- 'View logs' shows XML ID now
- Debugging tooltips in GTK and Web
- new logging levels: test, debug_rpc, debug_rpc_answer, debug_sql
- command-line instance creation: `-d dbname -i base`
- Test reports
- `./openerp-server.py -i sale -d mytestdb --test-report-directory=/tmp`



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