**Practical: 2**

**Aim**: Resource Identification And Categorize Resource

**Software Requirements**

* Python needs to be a form of 2.7. 2.6 Will not be sufficient since Odoo now uses some features/syntax that is only available in Python 2.7.

**Hardware Requirements**

* Stay away of NAS devices including this one :
  + Slow processor. This one is using Atom processor. CPU performance is a significant factor in OpenERP performance. It is not about processor clock or core count. a 1.7GHz Core i7 processor would be much faster in python than 2.1Ghz Atom.
  + Very limited memory upgrades option. As any DBA would tell you, memory size is usually the most important factor in database performance followed by disk IO performance.
  + No ECC memory support. You should always use ECC memory for critical server applications.
  + You will never need/use that storage capacity. I would not even run a 100GB database on a server with 3GB ram! Especially for an ERP system.
  + No redundant power supply.
  + A NAS is just server made for shared storage. If you want simplicity in management, you can install any [NAS oriented Linux or FreeBSD distribution](http://www.linuxplanet.com/linuxplanet/reports/7153/1) on a real server with ECC and expandable memory.

**Company Requirements:**

[python >= 2.4](http://www.python.org/)

### Recommended

* an  [OpenDocumen viewer](http://en.wikipedia.org/wiki/OpenDocument_software) (the best knownare i.e. [OpenOffice](http://www.openoffice.org/), [StarOffice](http://www.sun.com/software/staroffice/) und [KOffice](http://www.koffice.org/), ...) for displaying reports.
* a [PDF viewer](http://en.wikipedia.org/wiki/List_of_PDF_software) if you use convert reports into PDF.

# Requirements for the NAS Server

* [python >= 2.4](http://www.python.org/)
* [PostgreSQL](http://www.postgresql.org/) database (may run on another machine).

### Optional

* [pywebdav](http://code.google.com/p/pywebdav/) if you want to use the WebDAV feature.
* [pyOpenSSL](http://pyopenssl.sourceforge.net/) if you want to have SSL connection.
* [openoffice-python](http://pypi.python.org/pypi/openoffice-python) if you want to use the conversion of odt reports into pdf.

**Depending on your system you may also need:**

* openoffice-headless
* python-uno
* openoffice.org-pyuno

Please have a look at the [openoffice-python Tipps & Tricks](http://openoffice-python.origo.ethz.ch/wiki/tipps_tricks) and the [openoffice-python FAQs](http://openoffice-python.origo.ethz.ch/wiki/Frequently_Asked_Questions).

* [vatnumber](http://code.google.com/p/vatnumber/) if you want to validate VAT numbers (module party). If you want to be able to check [VIES](http://ec.europa.eu/taxation_customs/vies/vieshome.do), this dependency is needed: [suds](https://fedorahosted.org/suds/)
* [BeautifulSoup](http://www.crummy.com/software/BeautifulSoup/) if you want to use module google\_translate for help in translating the application.
* [vobject](http://vobject.skyhouseconsulting.com/) if you want to use module party\_vcarddav.

### Optional for Developers

* [sphinx](http://sphinx.pocoo.org/) for generating developers documentation.

**Human Resources**

* For Development of project
  + Developers team of 25 people with 5 allocated for weekly unit tests and 3 for Business Logic and Database backend , 2 for database server compitibility with the business logic, 10 for the resource planning of the organization and deriving the structure of management panel for operation from various department, 5 for the integration testing and 3+2 for requirement gathering and process design. ( for a medium sized organization )
* For operational features
  + Operational ERP team of about 7 people to handle and manage the data monotoring in the ERP. There will be a seperate user panel for the members of the organization for the port to use the ERP for the data entry and quering with reports to publish and other purposes.