

How To Create Own Web Service Method in Odoo

This tutorial required odoo 8 or higher, but may be run in odoo 7(not tested yet).

1. We need to register our own new class

- Open edit file `<odoo_source>/openerp/http.py`
- Find method `def dispatch_rpc(service_name, method, params):`
- Find this section and add your new model

```
if service_name == 'common':
    dispatch = openerp.service.common.dispatch
elif service_name == 'db':
    dispatch = openerp.service.db.dispatch
elif service_name == 'object':
    dispatch = openerp.service.model.dispatch
elif service_name == 'report':
    dispatch = openerp.service.report.dispatch
elif service_name == 'custom':
    dispatch = openerp.service.custom.dispatch
else:
```

the highlighted is the additional model

2. Now create new python file in `<odoo_source>/openerp/service`
with name is custom.py

3. Copy paste the following code to custom.py

```
import openerp.release
import openerp.tools
import security

RPC_VERSION_1 = {
    'server_version': openerp.release.version,
    'server_version_info': openerp.release.version_info,
    'server_serie': openerp.release.serie,
    'protocol_version': 1,
}

def dispatch(method, params):
    #to resgister new method, just add here
    if method not in ['version', 'hello']:
        raise Exception("Method not found: %s" % method)

    fn = globals()['exp_' + method]
    return fn(*params)

def exp_version():
    return RPC_VERSION_1

def exp_hello():
    return {'Hello World!'}
```

4. Now start your odoo
5. Call the service from php using ripcord library

```
<?php
    require_once('ripcord.php');
    $wo=ripcord::client("http://localhost:8069/xmlrpc/2/custom");
    $cek=$wo->version();
    print_r($cek);
?>
```

- custom is your class/model
- version is your method