

OS4E Connector

Prerequisites: php-soap, php-xsl

- 1) Before installing the connector, please make sure that no test data remains in OpenEMM or SugarCRM, if data remains it will not be synchronized
- 2) Copy OS4E_Connector to your www directory (e.g. /var/www/html)
- 3) Configure the cronjob:
 - Edit OS4E_Connector /cron.sh
 - Change the URL to the correct location of the connector (e.g. http://localhost/OS4E_Connector)
 - Optional: Change the output target if you want the last results stored somewhere (e.g. /var/www/html/OS4E_Connector/logs/lastrun.html)
 - Save and close cron.sh
- 4) `chmod u+x /var/www/html/OS4E_Connector/cron.sh`
- 5) `cd /var/www/html/OS4E_Connector`
- 6) Create a new database os4e: `mysqladmin -u root -p create os4e`
- 7) Import the os4e tables: `mysql -u root -p os4e <include/database.sql`
- 8) Edit OS4E_Connector/include/config.inc.php
- 9) Make all required changes (usually just the mysql password)
- 10) Save and close

OS4E Plugin OpenEMM

- 1) Copy the contents of OpenEMM_5_5_1 to your OpenEMM directory (e.g. /home/openemm)
- 2) Import the OS4E table: `mysql -u root -p openemm < /home/openemm/OS4E /database.sql`
- 3) Edit /home/openemm/webapps/core/WEB-INF/server-config.wsdd:

Add

```
<service name="urn:os4e-webservice" provider="java:RPC">  
<parameter name="allowedMethods" value="*" />  
<parameter name="className" value="at.gomobile.os4e.webservice.OS4EWebservice" />  
</service>
```

before </deployment>

- 4) Edit /home/openemm/webapps/core/WEB-INF/struts-config.xml:

Change

org.agnitas.web.CampaignAction

to

at.gomobile.os4e.sync.SyncCampaign

Change

org.agnitas.web.RecipientAction

to

at.gomobile.os4e.sync.SyncAccount

Change

org.agnitas.web.MailinglistAction

to

at.gomobile.os4e.sync.SyncMailingList

- 5) Restart OpenEMM (e.g. `/etc/init.d/openemm restart`)
- 6) Edit /home/openemm/webservices/EmmCreateWSDL_OS4E.sh:
Make the required path changes in line starting with "WWW=" to point to the OS4E Connector directory (e.g. /var/www/OS4E_Connector – see step 2 in section "OS4E Connector")
Optionally make changes to the URL of your OpenEMM installation in line starting with "URL="
- 7) `chmod u+x /home/openemm/webservices/EmmCreateWSDL_OS4E.sh`
- 8) Run `/home/openemm/webservices/EmmCreateWSDL_OS4E.sh`
- 9) **DONE!**

OS4E Plugin SugarCRM

- 1) Install the module OS4E Connector 0.81.zip from the SugarCRM directory in this package with the Sugar Module Loader in the Admin panel.

- 2) Edit (in your SugarCRM 5.1 directory) data\Link.php:

Before

```
}  
}
```

```
function _add_many_to_many($add_values) {
```

add

```
// OS4E: Define new hook after_link_add
```

```
$this->_bean->call_custom_logic("after_link_add", array("id" => $this->_bean->id, "related_id"  
=> $key, "relationship" => $this->_relationship));
```

After

```
function delete($id,$related_id='') {
```

```
  $GLOBALS['log']->debug(sprintf("delete called with these parameter values. id=%s,  
related_id=%s",$id,$related_id));
```

add

```
// OS4E: Define new hook before_link_delete
```

```
$this->_bean->call_custom_logic("before_link_delete", array("id" => $id, "related_id" =>  
$related_id, "relationship" => $this->_relationship));
```

- 3) Open http://localhost/SugarCRM/OS4E/os4e_soap.php?wsdl in a browser and save the file as SugarCRM.wsdl to your OS4E_Connector\targets\ directory (e.g. /var/www/html/OS4E_Connector/targets/)

- 4) **DONE!**

Testing

- 1) Add new data to either SugarCRM or OpenEMM
- 2) Open http://localhost/OS4E_Connector/ and watch out for errors
- 3) If everything is in order (no bool(false) or NULL returns) the install was successful
- 4) If you open SugarCRM or OpenEMM, the data should have been synced to the correct module
- 5) **DONE!**

Final steps

- 1) `crontab -e`
- 2) Add
`*/1 * * * * /var/www/html/OS4E_Connector/cron.sh`
- 3) `:wq`
- 4) **DONE!**