

## OS4E Connector

**Prerequisites: OpenEMM 5.5.1, SugarCRM CE 5.1.0, Loaded PHP modules: php\_soap.dll, php\_xsl.dll (for older PHP versions also php\_domxml.dll)**

- 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. C:\xampp\htdocs\)
- 3) Configure the scheduled task:
  - Edit OS4E\_Connector/cron.bat
  - Configure the settings to match your environment (PHP, PHP\_INI, OS4E\_HOME directories)
  - Save and close cron.bat
- 4) Create a new database os4e: `mysqladmin -u root -p create os4e`
- 5) Import the os4e tables: `mysql -u root -p os4e < OS4E_Connector/include/database.sql`
- 6) Edit OS4E\_Connector/include/config.inc.php
- 7) Make all required changes (usually just the mysql password)
- 8) Save and close

## OS4E Plugin OpenEMM

- 1) Copy the contents of OpenEMM\_5\_5\_1 to your OpenEMM directory (e.g. C:\OpenEMM)
- 2) Import the OS4E table: `mysql -u root -p openemm < C:\OpenEMM\OS4E\database.sql`
- 3) Edit C:\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 C:\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
- 6) Edit C:\OpenEMM\webservices\EmmCreateWSDL\_OS4E.bat:  
Make the required path changes in line starting with "set WWW=" to point to the OS4E Connector directory (e.g. C:\xampp\htdocs\OS4E\_Connector – see step 2 in section "OS4E Connector")  
Optionally make changes to the URL of your OpenEMM installation in line starting with "set URL="
- 7) Run C:\OpenEMM\webservices\EmmCreateWSDL\_OS4E.bat
- 8) **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](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. C:\xampp\htdocs\OS4E\_Connector\targets\)
- 4) **DONE!**

## Testing

- 1) Add new data to either SugarCRM or OpenEMM
- 2) Open [http://localhost/OS4E\\_Connector/](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 synched to the correct module
- 5) **DONE!**

## Final steps

- 1) Add cron.bat to the Windows scheduler (All Programs -> Accessories -> System Tools -> Scheduled Tasks -> Add Scheduled Task) with any chosen interval. This will synchronize data between SugarCRM and OpenEMM automatically.  
For testing you can always manually initiate a sync by opening [http://localhost/OS4E\\_Connector/](http://localhost/OS4E_Connector/) in a browser. However, output generated here will not be logged.
- 2) To access logs browse to in [http://localhost/OS4E\\_Connector/logs/](http://localhost/OS4E_Connector/logs/) in a browser, or to C:\xampp\htdocs\OS4E\_Connector\logs\ in Explorer
- 3) **DONE!**