

INTEGRATION WITH ENUDGE SEAMLESSLY FROM YOUR WEBSITE – ALLOWING A VISITOR TO YOUR SITE TO SUBSCRIBE TO YOUR MAILING LIST AND AUTOMATICALLY ADD HIS/HER DETAILS TO YOUR ENUDGE ACCOUNT

This document assumes you have some knowledge of both PHP (or other similar scripting language) and HTML languages, and is intended to assist a web developer to integrate a website with an eNudge account.

Please note, you need an eNudge license number in order to integrate your site with your eNudge account. If you don't have an eNudge license number yet, please send an email to support@eNudge.com.au with License Number request in the subject.

WHAT IS SOAP?

SOAP (Simple Object Application Protocol) is a protocol for enabling web services, which facilitate computers on virtually any platform to communicate and pass information. SOAP is platform independent, so if your web server doesn't support PHP then the scripting or programming language that it does support will most likely have classes available to implement SOAP.

We give examples using PHP in this document because it is a widely supported, open source scripting language, available on most Linux and Unix servers, and many Windows servers.

TWO PHP SOAP METHODS

There are two different methods for calling SOAP in PHP – the one you need to use will depend on the configuration of the web server.

To determine if SOAP is supported natively on your web server or whether you need to install a 3rd party library to handle the SOAP calls display PHPInfo, and do a search for SOAP. If you find SOAP with a setting that indicates that it is enabled, first try without using NUSoap. If SOAP is supported within the PHP implementation then you cannot use NUSoap (see trouble shooting). Otherwise, you have to use NUSoap in order to get SOAP, which enables the platform independent integration between a customer's website and eNudge, to work.

NUSoap is freely available for download from the internet e.g. from here:

<http://sourceforge.net/projects/nussoap/>

The code below shows you firstly how to connect to the correct SOAP definition (<http://www.enudge.com.au/wsaddcontact.wsdl>) for this integration with eNudge and then, how to call the web service to submit a contact's details to eNudge (addContact).

Where SOAP is supported within PHP

```
// connect to the SOAP definition
$client = new
SoapClient("http://www.enudge.com.au/wsaddcontact_extended.wsdl",
array('soap_version' => SOAP_1_2, 'trace' => 1 ));

// call the addContact_Ext method
$return = $client->
__soapCall("addContact_Ext", array($firstname, $surname, $salutation, $organisa
tion, $email_addr, $bus_phone, $home_phone, $mobile, $fax, $street, $city, $customer
_state, $postcode, $country, $reference, $gender, $year_of_birth, $position, $depar
tment, $categories, $password, $series_id, $license));
```

When using NUSoap:

```
// first include NUSoap
require_once('nusoap/nusoap.php'); // location of NUSoap, may need full
path

// connect to the SOAP definition
$client = new
soapclient('http://www.enudge.com.au/wsaddcontact_extended.wsdl', true,
'', '', '', '');

// call the addContact method
$return = $client->
call('addContact_Ext', array($firstname, $surname, $salutation, $organisation, $
email_addr, $bus_phone, $home_phone, $mobile, $fax, $street, $city, $customer_state
, $postcode, $country, $reference, $gender, $year_of_birth, $position, $department,
$categories, $password, $series_id, $license), '', '', false, true);
```

REQUIRED FIELDS

As you saw in the addContact method above, there is a list of fields required by the web service. Below is the detail about the fields which must be supplied in the order shown, even if the contents of the fields are empty.

Please note: before processing the form submission on your web server, you should first check lengths and formats of the supplied fields to prevent malicious code being submitted to your web server, and to improve the likelihood of success when the visitor's details are submitted to eNudge.

firstname - maximum 40 characters
surname - maximum 40 characters
salutation - maximum 60 characters
organisation - maximum 150 characters
email_addr - maximum 80 characters, must be a valid email address format

bus_phone - maximum 25 characters
 home_phone - maximum 25 characters
 mobile - maximum 25 characters, must be a valid mobile phone number format
 fax - maximum 15 characters
 street - maximum 50 characters
 city - maximum 25 characters
 customer_state - the state part of the contact's address
 postcode - maximum 12 characters
 country - maximum 40 characters
 category - one only, which must already exist in eNudge
 reference - maximum 20 characters
 gender - m or f
 year_of_birth - just the 4 digit number of the year
 position - maximum 100 characters
 department - maximum 150 characters
 categories - (separate multiple with a : in between)
 password - generally only used for full integration where visitors can log into your website, extract their eNudge details seamlessly so that they can update them via your website, saving them back into eNudge
 series_id - the ID of the eNudge Message series (like an auto-responder) you want to add the person into
 license - a code supplied by eNudge, must pre-exist

SUCCESSFUL RESULT

When a contact has been successfully added you will receive the following response in a string:

Successfully added.

(nb. includes the full stop at the end)

POSSIBLE ERROR RESULTS

Result Text	Meaning
Invalid License.	The eNudge license number supplied was incorrect.
You must supply an email address or mobile phone number	You didn't supply either a mobile phone number or an email address when submitting the contact's details.
The email address is not valid.	Incorrectly formatted email address.
The mobile is not valid.	Incorrectly formatted mobile phone number.
The <field name> is too long.	The contents of the specified field name exceeded the allowed length.

CLOSE YOUR SOAP CONNECTION

Don't forget to close off the SOAP Client:

```
unset($client);
```

ASSUMPTIONS

1. You already have an eNudge account. If not, you will first need to complete the online eNudge registration process at www.enudge.com.au.
2. You need to be issued with an eNudge integration License number. You can request that by sending an email to support@eNudge.com.au and specifying the name of the eNudge subscriber.

TROUBLE SHOOTING

If you receive an error similar to that shown below, the web server already supports SOAP from within the PHP configuration, and therefore it does not need, and cannot allow, NUSoap to be used:

Fatal error: Cannot redeclare class soapclient in **/home/domain/public_html/nusoap/nusoap.php** on line **7240**

EXAMPLE CODE

The following is full example PHP code for using the web service, assuming that SOAP is enabled in the web environment (rather than requiring NUSoap):

```
<?php

if ($_POST['submit'] == "Add Me") {
    // you should first add in validation checking of all fields to ensure
    that they are of the type expected
    $client = new
SoapClient("http://www.enudge.com.au/wsaddcontact_extended.wsdl",
array('soap_version' => SOAP_1_2, 'trace' => 1 ));
    $firstname = $_POST['firstname'];
    $surname = $_POST['surname'];
    $salutation = $_POST['salutation'];
    $organisation = $_POST['organisation'];
    $position = $_POST['position'];
    $department = $_POST['department'];
    $email_addr = $_POST['email_addr'];
    $bus_phone = $_POST['bus_phone'];
    $home_phone = $_POST['home_phone'];
    $mobile = $_POST['mobile']; // the mobile phone number, if supplied,
must be valid
    $fax = $_POST['fax'];
    $street = $_POST['street'];
    $city = $_POST['city'];
    $customer_state = $_POST['customer_state'];
    $postcode = $_POST['postcode'];
```

```

    $country = $_POST['country'];
    $reference = $_POST['reference'];
    $gender = $_POST['gender'];
    $year_of_birth = $_POST['year_of_birth'];
    $categories = $_POST['categories'];
    $password = $_POST['password'];
    $series_id = $_POST['series_id'];
    $license = $_POST['license'];
    $return = $client-
>__soapCall("addContact_Ext", array($firstname, $surname, $salutation, $organisa
tion, $email_addr, $bus_phone, $home_phone, $mobile, $fax, $street, $city, $customer
_state, $postcode, $country, $reference, $gender, $year_of_birth, $position, $depar
tment, $categories, $password, $series_id, $license));
    // echo($return);

    // we recommend you add code here to email the details of the
subscriber and the result of $return variable to your email address

} else {

?>
<h1>Example automated subscription to your eNudge database:</h1>
<p>Add me to your mailing list:</p>
<form name="addcontact" action="<?php echo $_SERVER['PHP_SELF']; ?>"
method="post">
    <table>
        <tr><td>Firstname: </td><td><input type="text" name="firstname"
size="30" maxlength="40"></td></tr>
        <tr><td>Surname: </td><td><input type="text" name="surname" size="30"
maxlength="40"></td></tr>
        <tr><td>Salutation: </td><td><input type="text" name="salutation"
size="30" maxlength="60"></td></tr>
        <tr><td>Organisation: </td><td><input type="text" name="organisation"
size="60" maxlength="150"></td></tr>
        <tr><td>Reference / Customer Code: </td><td><input type="text"
name="reference" size="20" maxlength="20"></td></tr>
        <tr><td>Department: </td><td><input type="text" name="department"
size="40" maxlength="150"></td></tr>
        <tr><td>Position: </td><td><input type="text" name="position"
size="40" maxlength="100"></td></tr>
        <tr><td>* Email Address: </td><td><input type="text" name="email_addr"
size="50" maxlength="80"></td></tr>
        <tr><td>Business Phone: </td><td><input type="text" name="bus_phone"
size="20" maxlength="25"></td></tr>
        <tr><td>Home Phone: </td><td><input type="text" name="home_phone"
size="20" maxlength="25"></td></tr>
        <tr><td>Mobile: </td><td><input type="text" name="mobile" size="30"
maxlength="25"></td></tr>
        <tr><td>Fax: </td><td><input type="text" name="fax" size="17"
maxlength="15"></td></tr>
        <tr><td>Address: </td><td><input type="text" name="street" size="30"
maxlength="50"></td></tr>
        <tr><td>City: </td><td><input type="text" name="city" size="25"
maxlength="25"></td></tr>
        <tr><td>State: </td><td><input type="text" name="customer_state"
size="5" maxlength="35"></td></tr>
        <tr><td>Postcode: </td><td><input type="text" name="postcode" size="7"
maxlength="12"></td></tr>
        <tr><td>Country: </td><td><input type="text" name="country" size="30"
maxlength="40"></td></tr>

```

```
<tr><td>Categories: </td><td><input type="text" name="categories"
size="40" maxlength="100"> (separate multiple with a : in between)</td></tr>
<tr><td>Gender</td><td><select name='gender'><option
value='f'>female</option><option value='m'>male</option></select></td></tr>
<tr><td>Year of Birth: </td><td><input type="text" name="year_of_birth"
size="4" maxlength="4"> (number only please)</td></tr>
<tr><td>Password: </td><td><input type="text" name="password" size="20"
maxlength="50"> (optional - this is used for full integration where your
customer can update their own details in eNudge via your website)</td></tr>
<tr><td>Series ID: </td><td><input type="text" name="series_id" size="5"
maxlength="10"> (optional - this is used for adding the subscriber to a
Message Series)</td></tr>
<tr><td>License: </td><td><input type="text" name="license" size="30"
maxlength="30" value=""></td></tr>
</table>
<input type="submit" name="submit" value="Add Me">
</form>

<?php } ?>
```