

## NGP Application Program Interface (NGPAPI)

NGPAPI (NGP Application Program Interface) is a web service that securely exposes a set of methods that allow NGP clients to programmatically interact with their campaign data and settings.

### Encrypted Credentials

To use the Web Service with a SOAP request you must pass an encrypted credential string. You can acquire the encrypted credential string from NGP Support.

### NGP Web Service

The NGP Web Service exposes a single method that takes two parameters: an XML Fragment and the name of a method. The details of the request are defined in the XML Fragment which must conform with XML Schema (XSD) defined by NGP. The response is an XML Fragment populated with the values requested or an acknowledgment of a non-query interaction such as a delete or update.

We are engaged in expanding the methods exposed by the API and will continue to update this document as we add them. See the section named "Methods" at the end of this document.

Here is an example of what happens with one of the API methods named ContactGet using the processRequestWithCreds method.:

```
processRequestWithCreds(XmlFragment, "ContactGet "xygzsjaklsjfkjkljkljkljfklsajfk")
```

where XmlFragment is the fragment shown below, "ContactGet" is the name of the method, and "xx..fk" is the encrypted credential string.

Please include the namespace, and namespace qualifications you see in the Xml Request documents so that we can successfully validate your request.

### Sample Request

*Method: contactGet*

XMLFragment:

```
<?xml version="1.0" encoding="utf-8"?>
<ngp:contactGet xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:ngp="http://www.ngpsoftware.com/ngpapi">
  <campaignID>1033</campaignID>
  <contactID>199434</contactID>
</ngp:contactGet>
```

### Sample Response

```
<contactGetOutput xmlns="">
  <contact>
    <committeeID>C00344531</committeeID><
    contactType></contactType>
    <pacName>1199 & 32 Bj/144 Seiu Homecare Political Action
    Committee</pacName>
    <employer>NGP Software & stuff</employer>
    <occupation>Programmer</occupation>
    <organization>ACT</organization>
```

## NGP API Documentation

```
<workPhone></workPhone>
<workPhone>(202) 686-9330</workPhone>
<homePhone>(122) 456-7890</homePhone>
<email>tkovacs@ngpsoftware.com</email>
<salutation>Chris</salutation>
<zip>21045-5149</zip>
<state>PA</state>
<city>Philadelphia</city>
<address2>Apt. 3 5</address2>
<address1>9010 Phillip Dorsey Way</address1>
<mailName>Mr. Chris J. Aherns Jr.</mailName>
<suffix>Jr.</suffix>
<prefix>Mr.</prefix>
<middleName>J.</middleName>
<lastName>Aherns</lastName>
<firstName>Craig</firstName>
<contactID>199434</contactID>
</contact>
<tranOutput>
  <success>True</success>
  <tranOutput>
    <replaceErrorLog />
  </tranOutput>
</tranOutput>
</contactGetOutput>
```

The types and attributes for all the variables accepted in the request XMLFragment are defined in schemas exposed by NGP at <http://www.myngp.com/ngpapi/transactions>.

## How to call NGPAPI

The web service for NGPAPI is <http://www.myngp.com/ngpapi/APIService.asmx>.

NGPAPI exposes the entire API with the method:

|                         |   |
|-------------------------|---|
| processRequestWithCreds | RequestXml, TransType, CredentialString |
|-------------------------|---|

## Using PHP4 or PHP5 With NuSOAP

NuSOAP is a set of PHP4 classes which allow developers to create and consume web services based on SOAP 1.1, WSDL 1.1 and HTTP 1.0/1.1. It is not an extension of PHP4 but simply an file to be included in the script. The latest NuSOAP library can be found at [<http://sourceforge.net/projects/nusoap/>]. Once the WSDL for the APIService.asmx [<https://www.myngp.com/NGPAPI/APIService.asmx?WSDL>] is set in NuSOAP, the SOAP call becomes exactly like a normal PHP method call.

## Transactions Listing

The latest schema definitions running behind our request validator are available at <http://www.myngp.com/ngpapi/transactions>