
SE Registry

example code

Install PHP Example code v3

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php example code v3 Document control

Document information and security

MADE BY	RESPONSIBLE FOR FACT	RESPONSIBLE FOR DOCUMENT
JAN SÄLL	JAN SÄLL	

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List of contents

php example code v3 Document control 2

List of contents.....	3
1 Introduction.....	4
2 PHP EPP Library.....	5
3 Example code.....	7

1 Introduction

1.1 This document

This document gives a short overview of the php example code, how to install it and how to run the example code.

1.2 Font

In this document we use the following fonts:

Small bold style Used for library structure, file names and in- and out puts.

BLOCK LETTERS Computer names are always written with block letters.

Courier Commands and Responses are always written in Courier.

1.3 About .SE

.SE (The Internet Infrastructure Foundation) is responsible for the Internet top-level domain for Sweden. As the central registry, .SE manages domain name registrations and the administrative and technical operation of the national domain name system for .SE.

.SE is an independent non-profit organisation, supporting the positive development of the Internet in Sweden. Through .SE's Internet Fund, the Foundation annually donates means to projects supporting the development and utilisation of the Internet.

[For more information, please see: http://www.iis.se/english/index.shtml?lang=en](http://www.iis.se/english/index.shtml?lang=en)

2 PHP EPP Library

2.1 Origin

The origin of the **Client.php** is from central nic. You can get the original files from http://labs.centralnic.com/Net_EPP_Client.php.

We have modified it to work with client certificates.

2.2 Changes

To have **Client.php** work with the IIS epp server we have changed it to allow the use of client certificates. This also required some minor changes to the code (changing fsockopen to stream_socket_client).

2.3 Overview

The EPP library handles all the EPP communication with the server and have functions to connect to the server, send and receive frames and disconnect.

FUNCTION	DESCRIPTION
local_cert	Specify the local cert to use and the password
connect	Connect to the EPP Server and get the greeting frame
getFrame	Get one EPP frame from the server
sendFrame	Send one epp frame to server
request	Wrapper around sendFrame & getFrame
disconnect	Disconnect from the EPP server

Table 1 - functions

2.4 Install

To install the EPP Example code and the EPP Library you need to have the following modules/packages installed:

- **Pear**
- **php-xml**

When this is installer you should be able to install the example code, Acquire a certificate and run the sample code.

2.5 Client Certificates

As of v3 of the .SE EPP server you are required to use a client certificate when connecting to the server.

Information about the different certificates, where you can acquire them is on the iis web page - <http://www.iis.se/en/domaner/bli-registrar/epp>

You also need to use the epp test web, login and upload the public part of your certificate so that the epp server can verify you. The login to the epp test web is <https://epptestwebv3.iis.se>.

The PHP example code requires a pem file without intermediate certificates to be use. We suggest you put in in the cert directory.

3 Example code

3.1 msg.pl

The example code **msg.pl** connects to the EPP server and checks the message queue. If there is messages in the queue it will issue a poll message and get the first message back and display the information about it.

It will not acknowledge the message so the message will stay in the message queue and the program can be run multiple times to check the connections and login.

It uses DOM to generate the XML and Xpath to parse the returned XML.

3.2 Running msg.pl

The command line to run **msg.pl** is:

```
./msg.php epp_user epp_pwd cert_path cert_pwd
```

where

epp_user is the user name for login in to the epp server

epp_pwd is the epp password

cert_path is the path to the pem certificate file

cert_pwd is the password for the pem file

3.3 Example run

```
msg.php ete#### 'xxXXxx' 'cert/verisign.pem' 'yyYYyy'
```

```
Connected to server epp.iis.se
```

```
You have 3 message in queue - first id is 2
```

```
Msg - Code 1301 - Command completed successfully; ack to  
dequeue
```

```
qdate: 2010-12-21T15:13:01.0Z
```

```
svTRID: 3939
```

```
Message type: Create
```

```
Object type: contact
```

```
Object ID: bjrnp5629-00001
```

```
Logout Result code 1500 - Command completed successfully;  
ending session
```