How to use VOIspeed FRAMEWORK

- Components: *includes* folder, available in the example provided ("check_geo_number.zip")
- Language: PHP
- Environment: Apache

Framework general description

- Within VOIspeed Framework you have all the tools required to develop application that can interact with VOIspeed
- Below are the commands available:

  - **callRequest**($username, $domain, $number, $deviceID, $external_id, $exec_now);
  - **callRequestExtended**($username, $domain, $calling_id, $called_id, $calling_type, $called_type, $calling_number , $called_number, $external_id, $device_id, $to_be_rec, $exec_now);
  - **callAccept**($username, $domain, $call_id, $exec_now);
  - **callHold** ($username, $domain, $call_id, $exec_now);
  - **callRetrieve** ($username, $domain, $call_id, $exec_now);
  - **callDivert**($username, $domain, $call_divert_callid, $call_divert_recipient, $exec_now);
  - **callTransfer**($username, $domain, $call_id, $call_id_to, $exec_now);
  - **callDisconnect**($username, $domain, $call_id, $exec_now);
  - **callDeviceSwitch**($username, $domain, $call_id, $device_id, $exec_now);
  - **callPick**($username, $domain, $number, $device_id, $exec_now);
  - **callRecStart**($username, $domain, $call_id, $exec_now);
  - **callRecStop**($username, $domain, $call_id, $exec_now);

  where:

    - **$username** is the username of the user executing the action
    - **$domain** is the domain of the company the user above belongs to

The remaining parameters must be read each time from the database.

The parameter $exec_now must be always set to true if you wish to execute the command immediately. Alternatively, if you want to prepare the SOAP command before sending it to the server, you must set this parameter to FALSE and then run it at a later stage (Fig.1).

Fig. 1

```
$SOAP->callRequestExtended('6361', integration.com', '2', '1', '2', '3','187', '', '', '0', '0', false);
$SOAP->set_data($SOAP->get_message());
$SOAP->fire();
```

In order to use the framework, you need to include the file "application_top.php" and set all the parameters of the SOAP interface for the PBX server, including username and password of the user executing the commands (Fig.2).

Fig. 2

```
require("../includes/application_top.php");

$SOAP->set_soap_server("192.168.0.82:3543/service/cmd");
$SOAP->set_username("6361@ integration.com");
$SOAP->set_password("a3117764c25513077566586207495752");
```

Fig. 3

```
require("../includes/application_top.php");

$SOAP->set_soap_server("192.168.0.82:3543/service/cmd");
$SOAP->set_username("100@ integrazione.com");
$SOAP->set_password("a3117764c25513077566586207495752");
$SOAP->set_soap_server("192.168.0.82:3543/service/cmd");
$SOAP->set_username("100@ integrazione.com");
$SOAP->set_password("a3117764c25513077566586207495752");
$SOAP->callRequest("100", " integrazione.com", "187", "00000023", false, true);
```

In the example above (Fig. 3) the system is making a call between the extension with username 100 and the number 187 using the device id 35 (i.e. HEX=23).

There are other two commands that you can specify:

- $SOAP->set_debug_mode(boolean);
- $SOAP->set_result_mode(boolean);

Where:

- set_debug_mode:
  - true: it writes the SOAP message that is going to be sent
  - false: it writes nothing
- set_result_mode:
  - true: it displays nothing on video
  - false: it writes the xml reply of the command returned by the SOAP interface of th PBX

Each command requires the details of the user or of the call, that you can extract from the PBX.

It is for this reason that, together with the SOAP object, there is a DB object that is able to access the VOIspeed database installed on the same computer. In order to configure thie DB object you need to edit the config_db.php file that you can find in the folder includes/class

You need to configure 4 parameters within this file, and these are:

define("DB_ADDR", "192.168.0.100");

define("DB_NAME", "voispeed6");

define("DB_USER", "voispeed6");

define("DB_PASS", " voispeed6");

The first is the IP address of the computer hosting the database the PBX is connected with. The other parameters are: database name, username and password of the database user.

The database is important to extract information from its tables about users, available devices and everything concerning all active phone calls.