

# WebService MailUpSend

## Overview

MailUpSend allows you to replicate - outside of the MailUp admin console - many of the common tasks that are typically performed within the MailUp admin console.

The service is available at the following locations (the Webservice is accessible through the SOAP protocol):

- <https://wsvc.ss.mailup.it/MailupSend.asmx>
- <http://services.mailupnet.it/mailupsend.asmx>

The corresponding WSDL is available at the following location:

- <https://wsvc.ss.mailup.it/MailupSend.asmx?WSDL>

## MailUpSend vs. SMTP+

When it is better to use the MailUpSend Web service, and when does it make more sense to use SMTP+, [MailUp's SMTP relay service](#)? Here is a quick comparison.

MailUpSend	SMTP+
<p>Recommended when...</p> <ul style="list-style-type: none"><li>• You need to replicate the most common functionality of the MailUp admin console, outside of MailUp (e.g. creating a message and sending it)</li><li>• You want to import data and schedule a mailing with a single call: the CSV can contain hundreds of thousands of addresses</li><li>• You wish to use dynamic tags, dynamic content, and other advanced features</li><li>• You need to send a message to a specific Group or using specific filters</li></ul>	<p>Recommended when...</p> <ul style="list-style-type: none"><li>• You are sending transactional emails</li><li>• You need to rapidly integrate an external system with MailUp</li><li>• You want to use MailUp as a high-deliverability SMTP service (e.g. from desktop email clients like Outlook)</li><li>• You need to send messages that are so personalized that it would be difficult to create them in MailUp, even using dynamic tags and content</li></ul>

SMTP+ and high volumes



Please note: if you need to send over 1 million emails per day with SMTP+, please contact us as a special setup may be required.

## Authentication

"Login" method was removed from this document and is to be considered **deprecated** starting from MailUp release 7.4. It was replaced by [LoginFromId](#) method. If you are still using Login, don't worry: Login method is still available, even if not recommended for new integrations, and returns a response that is equal to the one that is returned by LoginFromId. Signature of old Login method is `string Login(string user, string pwd, string url)`, where URL is the console URL without http://

## LoginFromId method

This method is available only from MailUp release 7.4 and it's very similar to the previous one (*Login*) but it allows to specify an account ID instead of a console URL. The main benefit lies in the fact that a URL limits the use of the infrastructure, whereas a fixed reference like the console ID makes it easier to move the administration console on a higher-performing hardware, if needed. There would be little or no malfunction, as the customer's applications would keep on working after the operation.

- `string LoginFromId(string user, string pwd, int consoleId)`.
- `user`: username to access the MailUp console
- `pwd`: password to access the MailUp console
- `consoleId`: console identifier. The console ID can be drawn from the username associated to the console, without the initial "m" (e.g. username: m1234 > console ID 1234). In case it is not possible to get the console ID from the username, please contact our support team

Note: the `accessKey` returned by the `LoginFromId` method in the `MailUpSend` Web Service can also be used for the `MailUpReport` and `MailUpManage` Web Services.

## SOAP Examples

### SOAP Request

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:ws="http://services.mailupnet.it/WS">
  <soap:Header/>
  <soap:Body>
    <ws>LoginFromId>
      <!--you can use special username ('a'+consoleID, whose password never expires) that is defined in Manage/web services page-->
      <ws:user>a1234</ws:user>
      <ws:pwd>password</ws:pwd>
      <ws:consoleId>1234</ws:consoleId>
    </ws>LoginFromId>
  </soap:Body>
</soap:Envelope>
```

### SOAP Response

```
<LoginResult>
  <errorCode>0</errorCode>
  <errorDescription></errorDescription>
  <!--Use accessKey value that is returned by LoginFromId method-->
  <ws:accessKey>HzAgwRRJaAKBtkgNWpkAuURfV4SxMm6T3HJegRuSkUivKJElNNcmSQe8nqGyoM9</ws:accessKey>
</LoginResult>
```

## Code Examples

### PHP Sample

```
<?php
// The sample code described herein is provided on an "as is" basis, without warranty of any kind.
// MailUp shall not be liable for any direct, indirect or consequential damages or costs of any type
// arising out of any action taken by you or others related to the sample code.
class MailUpWsSend {
    protected $WSDLUrl = "http://services.mailupnet.it/MailupSend.asmx?WSDL";
    private $soapClient;
    private $xmlResponse;
    protected $domResult;
    function __construct() {
        $this->soapClient = new SoapClient($this->WSDLUrl, array("trace" => 1, "exceptions" =>
0));
    }

    function __destruct() {
        unset($this->soapClient);
    }

    public function getFunctions() {
        print_r($this->soapClient->__getFunctions());
    }

    public function loginFromId() {
        try {
            $loginData = array("user" => "user",
                                "pwd" => "password",
                                "consoleId" => "idconsole");

            $this->soapClient->loginFromId($loginData);
            if ($this->readReturnCode("LoginFromId","errorCode") != 0) {
                echo "<br /><br />Error in LoginFromId: ". $this->readReturnCode
("LoginFromId","errorDescription");
            }
        }
    }
}
```

```

        die();
    }
    else $this->accessKey = $this->readReturnCode("LoginFromId","accessKey");
    echo "<br>AccessKey: ". $this->accessKey;
    } catch (SoapFault $soapFault) {
        var_dump($soapFault);
    }
}

public function logout() {
    try {
        $this->soapClient->Logout(array("accessKey" => $this->accessKey));
        if ($this->readReturnCode("Logout","errorCode") != 0)
            echo "<br /><br />Error in Logout". $this->readReturnCode("Logout","
errorDescription");
    } catch (SoapFault $soapFault) {
        var_dump($soapFault);
    }
}

private function readReturnCode($func, $param) {
    $this->xmlResponse = $this->soapClient->__getLastResponse();
    $dom = new DomDocument();
    $dom->loadXML($this->xmlResponse) or die("(1)XML file is not valid!");
    $xmlResult = $dom->getElementsByTagName($func."Result");
    $this->domResult = new DomDocument();
    $this->domResult->LoadXML(html_entity_decode($xmlResult->item(0)->nodeValue)) or die("(2)
XML file is not valid!");
    $rCode = $this->domResult->getElementsByTagName($param);
    return $rCode->item(0)->nodeValue;
}

//... other functions...
// public function functionName(...) {...}
}
?>
<html>
<head></head>
<body>
<?php
    $WsSend = new MailUpWsSend();
    $WsSend->loginFromId();
    // use $WsSend->functionName(...) to call other methods

    $WsSend->logout();
?>
</body>
</html>

```

## Logout method

This method has become useless, the accessKey remains active for 60 minutes

- *string Logout(string accessKey)*
- *accessKey*: access key obtained by calling the Login method
- *LogoutResult*: string containing the outcome of the operation

## SOAP Examples

```

<LogoutResult>
  <errorCode>0</errorCode>
  <errorDescription></errorDescription>
</LogoutResult>

```