



OEKOPOST
we deliver greener.

HTTP SOAP interface

for sending letters and SMS
and managing accounts

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Use of the interface is subject to our terms of service.



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1 Introduction

The OEKOPOST HTTP SOAP interface allows you to send letters and SMS from your own applications.

Because SOAP functions/libraries are available for nearly every modern programming language, integration of the OEKOPOST interface can be done in no time.

2 URL

The OEKOPOST HTTP SOAP web service is located at

```
https://www.oekopost.de/soap/
```

The WSDL definition file (Web Service Description Language) is located at

```
https://www.oekopost.de/soap/?wsdl
```

To assure highest security, the interface is only accessible via SSL.

3 Authentication

Each interface function requires three authentication parameters (username, password hash, password salt). The password hash is computed in the following way:

```
PasswordHash = MD5(MD5(Plaintext password) + salt)
```

„Plaintext password“ ist the plaintext password of the OEKOPOST account, „salt“ is a random string with at least 8 characters which should be changed with every request.

MD5 hashes need to be hex-encoded (e.g. as returned by PHP's md5() function).

4 Valid country codes

The following values can be used for the „destinationCountry“ parameter at the moment.

Value	Description
DE	Delivery to Germany
_EUR	Delivery to Europe
_WELT	World-wide delivery

5 Valid SMS types

The following values can be used for the „smsType“ parameter at the moment.

Value	Description
0	SMS with own sender number
1	SMS without own sender number



6 Functions

The OEKOPOST HTTP SOAP interface provides the following functions.

6.1 submitPDFLetter

Sends a letter using the OEKOPOST service. Requires a valid PDF file (base64-encoded) consisting of DIN A4 pages only.

6.1.1 Request parameters

Name	Type	Description
userName	string	Username of the OEKOPOST accounts
passwordHash	string	Password hash (cf. chap. 3)
passwordSalt	string	Salt string used for computing the password hash (cf. chap. 3)
data	base64Binary	Base64-encoded PDF file
dataHash	string	MD5 hash of the (non-encoded) PDF file
dispatchTimeStamp	integer	Scheduled dispatch date (Unix timestamp)
printColor	boolean	Print in color (true) or black-white (false)
printDuplex	boolean	Print in duplex (true) or simplex mode (false)
envelopeType	string	Envelope type to use („C6“ or „C5“)
destinationCountry	string	Letter destination country (cf. chap. 4)

6.1.2 Response parameters

Name	Type	Description
status	string	„OK“ on success, error description otherwise
jobID	string	ID of the new-created job (empty on failure)
chargedCents	integer	Charged costs of the job in cents

6.2 submitSMS

Sends a SMS using the OEKOPOST service. The maximum length of the text parameter can be found at „SMS“ -> „Compose SMS“ in your OEKOPOST account.

6.2.1 Request parameters

Name	Type	Description
userName	string	Username of the OEKOPOST accounts
passwordHash	string	Password hash (cf. chap. 3)
passwordSalt	string	Salt string used for computing the password hash (cf. chap. 3)
from	string	Cellphone no of the SMS sender
to	string	Cellphone no of the SMS recipient
text	string	SMS text
dispatchTimeStamp	integer	Scheduled dispatch date/time (Unix timestamp)
smsType	integer	SMS type (cf. chap. 5)

6.2.2 Response parameters

Name	Type	Description
status	string	„OK“ on success, error description otherwise
jobID	string	ID of the new-created job (empty on failure)



chargedCents	integer	Charged costs of the job in cents
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6.3 getAccountBalance

Queries the current balance of the OEKOPOST account.

6.3.1 Request parameters

Name	Type	Description
userName	string	Username of the OEKOPOST accounts
passwordHash	string	Password hash (cf. chap. 3)
passwordSalt	string	Salt string used for computing the password hash (cf. chap. 3)

6.3.2 Response parameters

Name	Type	Description
status	string	„OK“ on success, error description otherwise
balanceCents	integer	Account balance in cents

6.4 checkAccountLogin

Checks validity of username and password.

6.3.1 Request parameters

Name	Type	Description
userName	string	Username of the OEKOPOST accounts
passwordHash	string	Password hash (cf. chap. 3)
passwordSalt	string	Salt string used for computing the password hash (cf. chap. 3)

6.3.2 Response parameters

Name	Type	Description
status	string	„OK“ on success, error description otherwise

7 Limitations

The interface currently accepts requests with a maximum size of 8 MB.

8 Examples

Detailed examples that show the usage of the interface in several programming languages can be found at the following URL:

```
https://www.oekopost.de/developer/
```

9 Support

In case you have questions or problems regarding the interace, please do not hesitate to contact our support team at support@oekpost.de.