

Documentatie, versiunea \$ Rev: 64\$

Informatii de baza:

WSDL

Adresa SOAP WSDL care contine fisierul cu descrierea la toate structurile serviciului este:

<http://getbooking.merlinx.pl/server/webservice.wsdl>

Limite:

Din cauza necesitatii de a oferi un serviciu de un anumit nivel, serverul foloseste urmatoarele limite:

Limita de sesiuni concurente =====

Sesiunea incepe la semn si se termina atunci cand va deconectati.

IMPORTANT: In cazul in care sesiunea nu este corect completata, veti fi deconectati automat dupa intervalul de timp setat de catre administrator.

Fiecare user individual stabileste catre administrator un numar de sesiuni simultane.

Limita de frecventa de interogari =====

Limita se aplica la metoda getList (preluarea lista de ID book) si cea mai mare rata fixa la numarul de interogari pe unitatea de timp (pentru o singura sesiune).

Descrierea metodelor si a structurilor:

Serverul SOAP foloseste urmatoarele metode:

- * Login (autentificare - get session ID)
- * Logout (iesire)
- * GetList (descarca manual in functie de criteriile predefinite)
- * GetMessage (colectarea de informatii privind rezervarile individuale)

Login:

User Authentication.

Parameters:

- * (String) \$ login - user login
- * (String) \$ password - user password

Return value:

- * (String) \$ sessionid - session ID

Supported exceptions:

- * FATAL_ERROR - server error (example due to accidents)
- * ERROR_LOGIN - bad data logging
- * ERROR_TOO_MANY_LOGINS - timed concurrent sessions (see Limits)

Logout :

End of session.

Parameters:

* (String) \$ sessionid - session ID

Supported exceptions:

* FATAL_ERROR - server error (eg due to accidents)

GetList

Descarca lista cu toate ID-urile rezervarilor de la inceput pana la data finala.

Parameters:

* (String) \$ sessionid - session ID

* (DateTime) \$ start_date - Start date and time

* (DateTime) \$ end_date - End date and time

Supported exceptions:

* FATAL_ERROR - server error (exemple due to accidents)

* ERROR_BAD_START_DATE - malformed start date

* ERROR_BAD_END_DATE - incorrect format of the date of the final

* ERROR_DATE_SPAN - exceeded the maximum range of dates (see Limits)

* ERROR_WRONG_DATE - end date earlier than the initial

Return value:

* (ArrayOfMessageListStruct) \$ list

Structure ArrayOfMessageListStruct (PHP notation):

```
Array
(
    [0] => stdClass Object
        (
            [Id] => _ID_REZERVARE_
        )

    [1] => stdClass Object
        (
            [Id] => _ID_REZERVARE_
        )
)
```

ID_Rezervare – reprezinta cu numar/string de identificare al rezervarii (numarul de rezervarii) cu care ea se identifica in baza de date a turoperatorilor/sistemului.

The PHP ArrayOfMessageListStruct is an array of objects set variable \$ id.

getMessages

Cu functia getMessages() se pot obtine ulterior detaliile rezervarii (ID_rezervare va merge ca si parametru).

Parameters:

- * (String) \$ sessionid - session id
- * (ArrayOfIdsStruct) \$ list - an array containing an ID book received from the functional getList

Supported exceptions:

- * FATAL_ERROR - server error (eg due to accidents)
- * ERROR_LIMIT_MESSAGE - timed queries (see Limits)
- * ERROR_NO_IDS - not given a list of ID up to download

Return value:

* (ArrayOfMessage52Struct) \$ messageList - array (arrays) containing detailed information on reservations

Descrierea structurii ArrayOfMessage52Struct:

Acesta este un sir care contine una sau mai multe Message52Struct

Structura Message52Struct:

```
struct (message52Struct
  headerStruct header;
  dataStruct date;
)
```

unde:

- * Header – antetul mesajelor
- * Date – mesajul potrivit

Structura headerStruct:

```
struct (headerStruct
  terminalId string;
  filler string;
  merlinHostNumber string;
  serviceProviderHost string;
```

```
string messageType;
merlinAgencyNumber string;
bussinesUnitNumber string;
merlinTerminalNumber string;
testIdentified string;
)
```

unde:

- * TerminalId - ID terminal
- * Filler -
- * MerlinHostNumber -
- * ServiceProviderHost -
- * MessageType -
- * MerlinAgencyNumber -
- * BussinesUnitNumber -
- * MerlinTerminalNumber -
- * TestIdentified -

Structura dataStruct:

```
struct (dataStruct
messageNumber string;
pageCode string;
serviceAndPersonBlockToBeDisplayed string;
numberOfServiceLines string;
numberOfPersonLines string;
serviceProvider string;
typeOfTravel string;
numberOfPersons string;
agencyNumberAllocatedByServiceProvider string;
reservationNumber string;
moduleNumber string;
multifunctionalLine string;
string consultant;
string remarks;
int totalPrice;
clientStruct client;
currencyCode string;
endDateOfTravel string;
ArrayOfServiceStruct services;
string hints;
ArrayOfPersonStruct persons;
```

```
string MessageText;  
)  
unde:
```

- * MessageNumber -
- * PageCode -
- * ServiceAndPersonBlockToBeDisplayed
- * NumberOfServiceLines
- * NumberOfPersonLines
- * ServiceProvider
- * TypeOfTravel
- * NumberOfPersons
- * AgencyNumberAllocatedByServiceProvider
- * ReservationNumber
- * ModuleNumber
- * MultifunctionalLine
- * Consultant
- * Remarks
- * TotalPrice
- * (ClientStruct) client
- * CurrencyCode
- * EndDateOfTravel
- * (ArrayOfServiceStruct) services
- * Hints -
- * (ArrayOfPersonStruct) persons
- * MessageText

Structura clientStruct:

```
struct (clientStruct  
orderedBy string;  
nameOrTitle string;  
string street;  
Postcode string;  
string place;  
additionalAddress string;  
string telephoneNumber;  
Customers string;  
int deposit;  
)
```

Structura ServiceStruct

```
struct (ServiceStruct
  Markfield string;
  positionNumber string;
  kindOfService string;
  string service;
  string accommodation;
  string occupancy;
  numberOfServices string;
  string fromDate;
  endDateOrDuration string;
  travellerAllocation string;
  statusOfService string;
  int servicePrice;
)
```

Structura PersonStruct:

```
struct (PersonStruct
  travellerNumber string;
  string address;
  string name;
  string age;
  int pricePerPerson;
)
```

Mesaje de eroare:

- * ERROR_LOGIN – fara drept de login sau date de login incorecte (username / password)
- * ERROR_TOO_MANY_LOGINS – numar de sesiuni simultane depasit (un anumet numar de posturi)
- * ERROR_BAD_START_DATE – data de start eronata
- * ERROR_BAD_END_DATE – format incorect al datei de final
- * ERROR_DATE_SPAN – numarul maxim de date depasit
- * ERROR_WRONG_DATE – data de sfarsit mai devreme decat data initiala
- * ERROR_LIMIT_LIST – interogari limitate
- * ERROR_LIMIT_MESSAGE – interogari limitate
- * ERROR_NO_IDS – nu exista ID pentru descarcare

Exemple:

PHP

PHP interpreter must be enabled SOAP (collection of php-soap).

Pentru a va conecta utilizati fisierul WSDL file.

```
$ C = new SoapClient ('http://getbooking.merlinx.pl/server/webservice.wsdl', array ('trace' => 1));
```

Apoi conectati-va la un server si efectuati propriile setari:

```
$ Sessionid = $ C-> login ('LOGIN', 'PASSWORD');
```

Obtained in this way the session ID (\$ sessionid) use in subsequent references to the server.

Descarcati o lista de ID pentru ziua selectata (interval de timp)

```
$ IdsList = $ C-> getList ($ sessionid, '2008-05-06 00:00:00 ', '2008-05-06 23:59:00');
```

Se pregateste o lista de ID (\$ requestedIds) pentru ca getMessage sa functioneze la aderarea limitelor stabilite (10 bookinguri)

```
$ I = 0;  
$ RequestedIds = array ();  
foreach ($ idsList as $ booking) (  
    if ($ i >= 10) continue;  
    $ RequestedIds [] = array ('id' => $ booking-> id);  
    $ I ++;  
)
```

Descarcati lista preselectata online:

```
$ Messages = $ C-> getMessages ($ sessionid, $ ids);
```

Ati primit procesul de rezervari:

```
foreach ($ messages as $ k => $ m) (  
    // Antet rezervare  
    print_r ($ m-> header);  
  
    // Example: date clienti  
    print_r ($ m-> data-> client);  
  
    // Example: list de turisti
```

```
foreach ($ m-> data-> persons as $ person) (  
    print_r ($ person);  
)  
  
// All of the data book  
print_r ($ m-> data);  
)
```

Un exemplu complet de implementare (inclusiv manipularea corecta de exceptii) poate fi gasit [aici](#).

JAVA

C# (.Net asp)