# Europcar Web API

Dette API skal danne grundlag for Europcar websites (PS DriveOnNet, BookCar,EuropCar-DK, TaxFree), I denne første version skal de ca. 21 metoder der anvendes på PS sitet implementeres, da man finder at disse metoder også vil indgå i EC website + udvidelser.

## Historie

|  |  |  |  |
| --- | --- | --- | --- |
| **Forfatter** | **Dato** | **Version** | **Kommentar** |
| Csk | 20-08-2014 | 0.a | Initial |
| Csk | 28-03-2015 | 0.b | Der lavet separate funktioner til EC web sitets |
| Csk | 30-07-2015 | 0.c | Beskrivelse af Carla funktioner |
| Csk | 14-08-2015 | 0.d | Sourcekontrol info |
| Csk | 14-08-2015 | 0.e | Release info |
| CSK | 26-10-2015 | 0.f | GetAvaiableCars.Age tilføjet |

## Arkitektur

### Overview





## Source kontrol

<http://voneteam-scm/svn/europcar/NCWebAPI/trunk/>

## Release til test

Remote desktop til 192.168.80.204

Publish to c:\goapplicate\ncwebapi

## Snitflade mod Carla

|  |  |  |
| --- | --- | --- |
| **Type** | **Kommentar** | **Valg** |
| Shared DB |  |  |
| FileTransfer |  |  |
| RPC | Socket | \* |
| Messaging |  |  |

## Sikkerhed

Denne beslutning er udskudt

## Interface Carla 7912

7912 er en kopi af 7911 (DriveOnNet) med PS modificeringer.

|  |  |
| --- | --- |
| Dokument | Sti |
| DriveOnNetSpecFunktioner[03-10-2013].pdf | \\serv03\Projekt\1081.000.00 Europcar\06 Specifikationer design etc\PSXLS\ DriveOnNetSpecFunktioner[03-10-2013].pdf |
| PsUdvSpecFunktioner.doc | \\serv03\Projekt\1081.000.00 Europcar\06 Specifikationer design etc\PSXLS\ PsUdvSpecFunktioner.doc |
| Europcar website | Dette dokument |

### Metoder

|  |  |
| --- | --- |
| Nr | Navn |
| 1 | GetCarsList\* |
| 2 | GetPriceList\* |
| 3 | GetAvailabilityList\* |
| 4 | SelectProduct |
| 5 | UpdatePrice\* |
| 6 | GetLocationList |
| 7 | Login |
| 8 | Account |
| 9 | ReturnCompanyCustomerId |
| 10 | SubmitRental\* |
| 11 | GetBookingList |
| 12 | CancelRental |
| 13 | EditRental |
| 14 | GetAddDefaults |
| 15 | GetFrontpageDefault\* |
| 16 | UpdateCompanyDrivers |
| 17 | DibsResult\* |
| 18 | GetInvalidPickupDates |
| 19 | GetInvalidReturnDates |
| 20 | GetOpenHours |
| 21 | PromotionUpdate\* |
|  |  |

’\*’ betyder at metoderne er ændret ifht DriveOnNet

## EC Web Interface

Europcar website

### Metoder

|  |  |
| --- | --- |
| Nr | Navn |
| 1 | GetCarsList |
| 2 | GetPriceList |
| 3 | GetAvailabilityList |
| 4 | SelectProduct |
| 5 | UpdatePrice |
| 6 | GetLocationList |
| 7 | Login |
| 8 | Account |
| 9 | ReturnCompanyCustomerId |
| 10 | SubmitRental |
| 11 | GetBookingList |
| 12 | CancelRental |
| 13 | EditRental |
| 14 | GetAddDefaults |
| 15 | GetFrontpageDefault |
| 16 | UpdateCompanyDrivers |
| 17 | DibsResult |
| 18 | GetInvalidPickupDates |
| 19 | GetInvalidReturnDates |
| 20 | GetOpenHours |
| 21 | PromotionUpdate |
|  |  |

## Carla Interface til EC

|  |  |
| --- | --- |
| Nr | Navn |
| 24 | GetLocations |
| 25 | GetLocationDetails |
| 26 | GetCountries |
| 27 | GetAvailableCars |
| 28 | GetCarTypes |
| 29 | GetCarExtras |
| 30 | UpdatePrice |
| 31 | MakeReservation |
| 32 | SearchBooking |
| 33 | CancelBooking |
| 34 | GetPdfBooking |
| 35 | CreateAccount |
| 36 | Login |
| 37 | ForgotPassword |
| 38 | ModifyAccount |
| 39 | GetCarSpecifications |
| 40 | SecretQuestions |
| 41 | PaymentCardTypes |
| 42 | FrequentTravelerPrograms |
| 43 | GetLocationDateExceptions |
| 44 | DibsResult |

## Basis parameter





### 24 GetLocations

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
|  |  | No input |
|  | **Output (on succes)** |  |
| 1 | LocationNo |  |
| 2 | Name |  |
| 3 | Type |  |
| 4 | Lattitude |  |
| 5 | Longitude |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 25 GetLocationDetails

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | Id |  |
| 11 | StartDate |  |
| 12 | Length | Period Length In Days |
|  | **Output (on succes)** |  |
| 1 | LocationNo |  |
| 2 | Name |  |
| 3 | Type |  |
| 4 | Address |  |
| 5 | ZipCode |  |
| 6 | City |  |
| 7 | Country |  |
| 8 | Phone |  |
| 9 | Email |  |
| 10 | LocationCode |  |
| 11 | Lattitude |  |
| 12 | Longitude |  |
| 13...CollectionStart | DayName |  |
| 14... | Open | 0 or 1 |
| 15... | OpenTime |  |
| 16... | CloseTime |  |
| 17... | DayNumber |  |
| 18...CollectionEnd | ExtraCharges | 0 or 1 |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 26 GetCountries

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
|  |  | No Input |
|  | **Output (on succes)** |  |
| 1...CollectionStart | Id |  |
| 2...CollectionEnd | Name |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 27 GetAvailableCars

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | CountryId |  |
| 11 | FromLocationId |  |
| 11 | PickupDate |  |
| 12 | PickupTime |  |
| 13 | ToLocationId |  |
| 14 | DropOffDate |  |
| 15 | DropOffTime |  |
| 16 | CarTypeId |  |
| 17 | CarGroupId |  |
| 18 | Age |  |
|  | **Output (on succes)** |  |
| 1 | CarId | Not used |
| 2 | Size |  |
| 3 | Type |  |
| 4 | Image |  |
| 5 | Price |  |
| 6 | CampaignPrice |  |
| 7 | PickupLocation |  |
| 8 | PickupLocationName |  |
| 9 | PickupDate |  |
| 10 | PickupTime |  |
| 11 | DropOffLocation |  |
| 12 | DropOffLocationName |  |
| 13 | DropOffDate |  |
| 14 | DropOffTime |  |
| 15 | AcrissCode |  |
| 16 | ProductCode |  |
| 17 | ProductName |  |
| 18 | CarGroup |  |
| 19 | BookStatus |  |
| 20 | BookStatusTekst |  |
| 21...CollectionStart | Text | Options |
| 22... | Value |  |
| 23... | Icon |  |
| 24...CollectionEnd | OptionId |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 28 GetCarTypes

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
|  |  | No Input |
|  | **Output (on succes)** |  |
| 1...CollectionStart | Id |  |
| 2...CollectionEnd | Name |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 29 GetCarExtras

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | CountryId |  |
| 11 | FromLocationId |  |
| 11 | PickupDate |  |
| 12 | PickupTime |  |
| 13 | ToLocationId |  |
| 14 | DropOffDate |  |
| 15 | DropOffTime |  |
| 16 | CarTypeId |  |
| 17 | ProductId |  |
| 18 | CarGroupId |  |
|  | **Output (on succes)** |  |
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|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 30 UpdatePrice

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | CountryId |  |
| 11 | FromLocationId |  |
| 11 | PickupDate |  |
| 12 | PickupTime |  |
| 13 | ToLocationId |  |
| 14 | DropOffDate |  |
| 15 | DropOffTime |  |
| 16 | CarTypeId |  |
| 17 | ProductId |  |
| 18 | CarGroupId |  |
| 19 | ”RecommendedExtras” |  |
| 20...CollectionStart | Id |  |
| 21...CollectionSlut | NumbUnit |  |
| 22 | ”Insurance” |  |
| 23...CollectionStart | Id |  |
| 24...CollectionSlut | NumbUnit |  |
| 25 | ”Mileage” |  |
| 26...CollectionStart | Id |  |
| 27...CollectionSlut | NumbUnit |  |
|  | **Output (on succes)** |  |
| 1 | Total |  |
| 2 | DepositOnline |  |
| 3 | DepositCash |  |
| 4 | DepositCreditCard |  |
| 5 | TotalDepositOnline |  |
| 6 | TotalDepositCash |  |
| 7 | TotalDepositCreditCard |  |
| 8 | TotalExtraPrice |  |
| 9 | TotalExclusiveTotalExtraPrice |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 31 MakeReservation

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | CountryId |  |
| 11 | FromLocationId |  |
| 11 | PickupDate |  |
| 12 | PickupTime |  |
| 13 | ToLocationId |  |
| 14 | DropOffDate |  |
| 15 | DropOffTime |  |
| 16 | CarTypeId |  |
| 17 | ProductId |  |
| 18 | CarGroupId |  |
| 19 | Title | Mr or Mrs |
| 20 | Gender |  |
| 21 | FirstName |  |
| 22 | LastName |  |
| 23 | BirthDate |  |
| 24 | Address |  |
| 25 | Address2 |  |
| 26 | Address3 |  |
| 27 | City |  |
| 28 | ZipCode |  |
| 29 | Country |  |
| 30 | Email |  |
| 31 | PaymentType |  |
| 32 | BookStatus |  |
| 33 | ”RecommendedExtras” |  |
| 34...CollectionStart | Id |  |
| 35...CollectionSlut | NumbUnit |  |
| 36 | ”Insurance” |  |
| 37...CollectionStart | Id |  |
| 38...CollectionSlut | NumbUnit |  |
| 39 | ”Mileage” |  |
| 40...CollectionStart | Id |  |
| 41...CollectionSlut | NumbUnit |  |
|  | **Output (on succes)** |  |
| 1 | ReservationNo |  |
| 2 | TotalPrice |  |
| 3 | DepositOnline |  |
| 4 | DepositPickupCash |  |
| 5 | DepositPickupCard |  |
| 6 | RentPlusDepositOnline |  |
| 7 | RentPlusDepositPickupCash |  |
| 8 | RentPlusDepositPickupCard |  |
| 9 | TotalExtraPrice |  |
| 10 | TotalExclusiveTotalExtraPrice |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 32 SearchBooking

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | BookingSearchType |  |
| 11 | BookingNoNo |  |
| 12 | Email |  |
| 13 | PickupDate |  |
| 14 | LastName |  |
|  | **Output (on succes)** |  |
| 1 | BookingNumber |  |
| 2 | CarGroup |  |
| 3 | FromLocationId |  |
| 4 | FromLocationName |  |
| 5 | FromDate |  |
| 6 | FromTime |  |
| 7 | ToLocationId |  |
| 8 | ToLocationName |  |
| 9 | ToDate |  |
| 10 | ToTime |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 33 CancelBooking

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 1 | BookingNo |  |
|  | **Output (on succes)** |  |
| 1 | Result | 0 or 1 |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 34 GetPDFBooking

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 1 | BookingNo |  |
|  | **Output (on succes)** |  |
| 1 | ByteString |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 35 CreateAccount

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | AccountType | 1 or 2 |
| 11 | Title | Mr or Mrs |
| 12 | Gender |  |
| 13 | FirstName |  |
| 14 | LastName |  |
| 15 | Address |  |
| 16 | Address2 |  |
| 17 | Address3 |  |
| 18 | City |  |
| 19 | ZipCode |  |
| 20 | Country |  |
| 21 | Email |  |
| 22 | Phone |  |
| 23 | Password |  |
| 24 | Driver\_BirthDay |  |
| 25 | Driver\_BirthCity |  |
| 26 | Driver\_BirthCountry |  |
| 27 | Driver\_LicenseNo |  |
| 28 | Driver\_IssueDate |  |
| 29 | Driver\_ExpiryDate |  |
| 30 | Driver\_IssueCountry |  |
| 31 | Identification\_IdentityNo |  |
| 32 | Identification\_PassportNo |  |
| 33 | Identification\_IssueDate |  |
| 34 | Identification\_ExpiryDate |  |
| 35 | Identification\_IssueCountry |  |
| 36 | FrequentTravelerProgram\_Id | Not used |
| 37 | FrequentTravelerProgram\_CardNo | Not used |
| 38 | FrequentTravelerProgram\_ExpiryDate | Not used |
|  | **Output (on succes)** |  |
| 1 | CustomerNo |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 36 Login

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | LoginType |  |
| 11 | UserId |  |
| 12 | Password |  |
|  | **Output (on succes)** |  |
| 1 | CustomerNo |  |
| 2 | FirstName |  |
| 3 | LastName |  |
| 4 | Address |  |
| 5 | Address2 |  |
| 6 | Address3 |  |
| 7 | City |  |
| 8 | ZipCode |  |
| 9 | Country |  |
| 10 | Phone |  |
| 11 | Email |  |
| 12 | Driver\_LicenceNo |  |
| 13 | Driver\_BirthDay |  |
| 14 | Account |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 37 Forgot Password

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 1 | LoginTypeo |  |
| 2 | UserId |  |
|  | **Output (on succes)** |  |
| 1 | Passwordg |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 38 ModifyAccount

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | AccountType | 1 or 2 |
| 11 | Title | Mr or Mrs |
| 12 | Gender |  |
| 13 | FirstName |  |
| 14 | LastName |  |
| 15 | Address |  |
| 16 | Address2 |  |
| 17 | Address3 |  |
| 18 | City |  |
| 19 | ZipCode |  |
| 20 | Country |  |
| 21 | Email |  |
| 22 | Phone |  |
| 23 | Password |  |
| 24 | Driver\_BirthDay |  |
| 25 | Driver\_BirthCity |  |
| 26 | Driver\_BirthCountry |  |
| 27 | Driver\_LicenseNo |  |
| 28 | Driver\_IssueDate |  |
| 29 | Driver\_ExpiryDate |  |
| 30 | Driver\_IssueCountry |  |
| 31 | Identification\_IdentityNo |  |
| 32 | Identification\_PassportNo |  |
| 33 | Identification\_IssueDate |  |
| 34 | Identification\_ExpiryDate |  |
| 35 | Identification\_IssueCountry |  |
| 36 | FrequentTravelerProgram\_Id | Not used |
| 37 | FrequentTravelerProgram\_CardNo | Not used |
| 38 | FrequentTravelerProgram\_ExpiryDate | Not used |
|  | **Output (on succes)** |  |
| 1 | CustomerNo |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 39 GetCarSpecification

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 1 | CarType |  |
| 2 | CarGroup |  |
|  | **Output (on succes)** |  |
| 1...CollectionStart | CarTypeId |  |
| 2... | CarGroup |  |
| 3..CollectionEnd | AcrissCode |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 40 SecretQuestions

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
|  |  | No Input |
|  | **Output (on succes)** |  |
| 1...CollectionStart | Id |  |
| 2...CollectionEnd | Name |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 41 PaymentCardTypes

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
|  |  | No Input |
|  | **Output (on succes)** |  |
| 1...CollectionStart | Id |  |
| 2...CollectionEnd | Name |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 42 FrequentTravelerProgram

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
|  |  | No Input |
|  | **Output (on succes)** |  |
| 1...CollectionStart | Id |  |
| 2...CollectionEnd | Name |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 43 GetLocationDateExceptions

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | Id |  |
| 11 | StartDate |  |
| 12 | Length | Period Length In Days |
|  | **Output (on succes)** |  |
| 1...CollectionStart | DayNumber |  |
| 2.. | Name |  |
| 3... | OpenTime |  |
| 4... | CloseTime |  |
| 5... | Date |  |
| 6...CollectionEnd | ExtraCharges | 0 or 1 |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

### 44 DibsReult

|  |  |  |
| --- | --- | --- |
| # | Name | Description |
| 10 | BookingId |  |
| 11 | PaymentFlag |  |
| 12 | PaymentType |  |
| 13 | PaymentCode |  |
| 14 | PaymentAmount |  |
| 15 | DepositPaymentCode |  |
| 16 | DepositPaymentAmount |  |
|  | **Output (on succes)** |  |
| 1 | Result |  |
| 2 | OptionalText |  |
|  | **Output (on Error)** |  |
| 1 | ErrorString |  |
| 2 | ErrorId |  |
| 3 | ErrorText |  |

## Tidsplan

|  |  |
| --- | --- |
| Dokument | Sti |
| Estimat.xlsx | \\serv03\Projekt\1081.000.00 Europcar\06 Specifikationer design etc\ECWebApi\ Estimat.xlsx |

## Test Cases

GetCarsList.

## Test Setup

### Intern Test

Compile: 40cp7912

Carla Server IP : 192.168.16.98, 7912 konfigureret til port 1074, mapningen laves i følgende fil

etc/services look for this line: (“don12t 1074/tcp # Don TEST”)

etc/xinitd.conf

# DON TEST

service don12t

{

socket\_type = stream

protocol = tcp

wait = no

user = root

group = trusted

server = /export/home/bin/dontest

server\_args = 12

}

File : dontest

#! /bin/sh

prog=$1

para="win=0"

KREDS=/export/home/z/ export KREDS

#EXECPATH=/export/home/nyexec/ export EXECPATH

#EXECSPEC=/export/home/nyexec/ export EXECSPEC

EXECPATH=/exec/00/ export EXECPATH

EXECSPEC=/exec/40/ export EXECSPEC

E\_SPOOL=/export/home/e\_spool/ export E\_SPOOL

TMPDIR=/export/home/tmp export TMPDIR

MENUID=zt export MENUID

DBTYPE=pg export DBTYPE

ENV=env40nypg export ENV

cd $KREDS

if [ "$1" = "10w" ]

then

prog="10n"

para="win=1"

fi

if [ "$1" = "05w" ]

then

prog="05n"

para="win=1"

fi

exec /exec/40/p79$prog tgnkonv=1 $para $2 $3

## Carla funktionsbeskrivelse