

GLS Web API

For Parcel Processing (V01.11 14-03-2019)

Rest API documentation – How to create GLS labels in PDF.

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Overview

Name	CreateShipment
Description	Create labels in PDF format. Returns a base64 encoded PDF
Base URI	Http://api.gls.dk/ws
API endpoint	DK/V1/CreateShipment
Method	POST
Formats	XML or JSON
Example	POST http://api.gls.dk/ws/DK/V1/CreateShipment
Request body	Content: page 5 – 13
Successful Response	Code: 200 Content: See page 14
Error Response	Code: 4XX - The API call had an error in the parameters. 5XX - The API call was unsuccessful. Contact GLS support +45 76331235 Content: See page15

Request body format

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20130911",
  "Reference": "Customers reference number",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Name2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Contact": "Contact person",
      "Email": "email@email.dk",
      "Phone": "+4576331100",
      "Mobile": "+4512345678"
    },
    "AlternativeShipper": {
      "Name1": "Navn1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Contact": "Contact person",
      "Email": "email@email.dk",
      "Phone": "+4576331100",
      "Mobile": "+4512345678"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5,
      "Reference": "Parcel specific reference",
      "Comment": "Comment",
      "Cashservice": 0.0,
      "AddOnLiabilityService": 0.0
    }
  ],
  "Services": {
    "ShopDelivery": "96600",
    "NotificationEmail": "receiver@email.dk"
  }
}
```

Fields

Shipment

Name	Type	Example	Comment	Mandatory	Max. Length
UserName	String	2080060960		Yes	
Password	String	API1234		Yes	
Customerid	String	2080060960		Yes	
Contactid	String	208a144Uoo		Yes	
ShipmentDate	String	20130911	Format:YYYYMMDD	Yes	8
Reference	String	Shipment reference		No	50
Addresses	List			Min. 1	
.Name1	String	Masters Inc.		Yes	40
.Name2	String			No	40
.Name3	String			No	40
.Street1	String	Randomstreet 5		Yes	40
.CountryNum	String	208	ISO 3166-1 numeric	Yes	3
.ZipCode	String	6000		Yes	10
.City	String	Kolding		Yes	40
.Contact	String	Per Jensen		No	40
.Email	String	email@email.dk		No	100
.Phone	String	+4576331100		No	40
.Mobile	String	+4512345678		No	40
Parcels	List			Min. 1	
.Weight	Number	5.2		Yes	50.0
.Reference	String	Parcel ref.		No	50
.Comment	String	2 sweaters		No	40
.AddOnLiabilityService	Number	8564.00		No	
Services	List			No	
.ShopDelivery	String	96600	ParcelShop ID	No	10
.NotificationEmail	String	email@email.dk		No	100
.Deposit	String	Place package in garage		No	100
.ShopReturn	String	Y		No	1

Request body examples (json)

BusinessParcel

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Navn1",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "kolding"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ]
}
```

BusinessParcel (multiple packages)

Shipment containing 3 parcels.

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Navn1",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5,
      "Reference": "Parcel reference 1"
    },
    {
      "Weight": 5.5,
      "Reference": "Parcel reference 2"
    },
    {
      "Weight": 7.5,
      "Reference": "Parcel reference 3"
    }
  ]
}
```

EuroBusinessParcel

The product changes automatically to *EuroBusinessParcel* if destination country is different from Denmark (208).

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Navn1",
      "Street1": "Street",
      "CountryNum": "276",
      "ZipCode": "10082",
      "City": "Berlin"
    }
  },
  "Parcels": [
    {
      "weight": 2.5
    }
  ]
}
```

Express10Service

Services.Express10: Delivery before 10:00

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Contact": "Contact person",
      "Mobile": "+4512345678"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "Express10": "Y"
  }
}
```


Express12Service

Services.Express12: Delivery before 12:00

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Contact": "Contact person",
      "Mobile": "+4512345678"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "Express12": "Y"
  }
}
```

ShopDeliveryService

Addresses.Delivery: Must contain the address of the person who collects the parcel.

Contact: Mandatory

Email / Mobile: Used for notification, when the parcel is ready for pick-up. One of them has to be filled out.

Services.Shopdelivery: GLS ParcelShop ID. Used to determine the drop point.

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Contact": "Contact person",
      "Email": "email@email.dk",
      "Mobile": "+4512345678"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "Shopdelivery": "96600"
  }
}
```

DirectShopService

Only valid for CountryNum 208 and 752 (DK and SE)

Addresses.Delivery: Must contain the address of the person who collects the parcel.

Contact: Mandatory

Email / Mobile: Used for notification, when the parcel is ready for pick-up. One of them has to be filled out.

Services.DirectShop: "Y". DirectShop indication.

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Contact": "Contact person",
      "Email": "email@email.dk",
      "Mobile": "+4512345678"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "DirectShop": "Y"
  }
}
```

AddOnLiabilityService

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5,
      "AddonLiabilityService": 4500.0
    }
  ]
}
```

DepositService

Services.Deposit: Place of the deposit

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "Deposit": "Place the parcel in garage"
  }
}
```

ShopReturnService

Only valid for CountryNum 208 and 752 (DK and SE)

Addressess.Pickup: Address of the person who returns the parcels

Addresses.Delivery: CountryNum always 208

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
    },
    "Pickup": {
      "Name1": "Pickup name 1",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "5000",
      "City": "Odense",
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "ShopReturn": "Y"
  }
}
```

PrivateDeliveryService

Addresses.Delivery: Email and Mobile is mandatory for PrivateDeliveryService

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "CustomerId": "2080060960",
  "ContactId": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Email": "email@email.dk",
      "Mobile": "+4512345678"
    }
  },
  "Parcels": [
    {
      "Weight": 2.5
    }
  ],
  "Services": {
    "PrivateDelivery": "Y"
  }
}
```

FlexDeliveryService

Delivery email: Used for notification.

Services.FlexDelivery: "Y". FlexDelivery indication.

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding",
      "Email": "email@email.dk",
    }
  },
  "Parcels": [
    {
      "weight": 2.5
    }
  ],
  "Services": {
    "FlexDelivery": "Y"
  }
}
```


NotificationEmail

A notification email will be sent when the parcel arrives at GLS.

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "Customerid": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding"
    }
  },
  "Parcels": [
    {
      "weight": 2.5
    }
  ],
  "Services": {
    "NotificationEmail": "email@email.dk"
  }
}
```

Alternative Shipper

Used to print a customized shipper address on the label.

```
{
  "UserName": "2080060960",
  "Password": "API1234",
  "CustomerId": "2080060960",
  "Contactid": "208a144Uoo",
  "ShipmentDate": "20140611",
  "Reference": "Customer reference",
  "Addresses": {
    "Alternativeshipper": {
      "Name1": "Alternative Shipper Name",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Alternative Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding"
    },
    "Delivery": {
      "Name1": "Name1",
      "Name2": "Navn2",
      "Name3": "Name3",
      "Street1": "Street",
      "CountryNum": "208",
      "ZipCode": "6000",
      "City": "Kolding"
    }
  },
  "Parcels": [
    {
      "weight": 2.5
    }
  ]
}
```

Response body example

```
{
  "ConsignmentId": "Y090243H",
  "PDF": "Base64 encoded PDF",
  "Parcels": [
    {
      "UniqueNumber": "Y090243H",
      "ParcelNumber": "06099052861",
      "NdiNumber": "",
      "Routing": {
        "Primary2D": "ADK0060DK00262080060990208a144c85Y090243HAAn",
        "Secondary2D": "A\\7CGLS PakkeShop\\7CHøjager 2-4\\7CTaastru",
        "NationalRef": "06099052861"
      }
    },
    {
      "UniqueNumber": "Y090243I",
      "ParcelNumber": "06099052862",
      "NdiNumber": "",
      "Routing": {
        "Primary2D": "ADK0060DK00262080060990208a144c85Y090243HAAn",
        "Secondary2D": "A\\7CGLS PakkeShop\\7CHøjager 2-4\\7CTaastrup",
        "NationalRef": "06099052862"
      }
    }
  ]
}
```

Error body examples

```
{  
    "Message":"Login failed."  
}
```

```
{  
    "Message":"Shipment date cannot be older than today. (T8255)"  
}
```

```
{  
    "Message":"The request is invalid.",  
    "ModelState":{  
        "shipment.Password":[  
            "The Password field is required."  
        ]  
    }  
}
```

Appendix

How to obtain login credentials

Access to the GLS Web API requires a *YourGLS* account

Existing GLS customer – *YourGLS* user

- use existing login

Existing GLS customer – Other system user

- Contact GLS Denmark IT Support +45 76 33 12 35

New GLS Customer

- Contact GLS Sales at +45 76 33 11 64 and ask for a *YourGLS* account

How to find the ContactId

- Log into *YourGLS* at www.gls-group.eu
- (1) Choose menu item “Send parcel” / “Opret labels”
- (2) Choose which shipper / customer number to use
- (3) The ContactID

The screenshot shows the GLS web interface. At the top, there is a navigation bar with the GLS logo, 'Processing', and 'Administration'. Below this is a header area with 'Send parcel (Step 1/2)' circled in red and labeled '1.'. The main form is titled 'Consignee address' and contains several input fields: 'Consignee ID', 'Name*' (with a search icon), 'Name 2', 'Name 3', 'Street* / number', 'Country*' (set to 'Denmark'), and 'Postal code* / Town*'. Below this is the 'Shipper address' section. The 'Shipper' dropdown menu is circled in red and labeled '2.', showing 'Test IT (Web-Test) Kolding'. The 'Shipper number' field is circled in red and labeled '3.', showing '208a15aZIU'. The 'Name' field shows 'Test IT'.