MyGLS API
for system integration

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Change log

Change No.	Date version	Description	Since
1		Brand new API for MyGLS	2019-02-01
2		Address class HouseNumberInfo; APIRequestBase class ClientNumberList: do not use; code samples have been extended with service sample code.	2019-10-21
3		Code samples have been extended with pickup date.	2019-12-13
4		Error code 23.	2019-12-17
5		Services parameters.	2020-01-22
6		Housenumber valid value: number.	2020-01-31
7		GetParcelList; GetParcelStatuses; code samples.	2020-04-17
8		PrintDataInfo class -> DepotNumber: MODIFIED CONTENT; TourNumber -> Driver; Depot, Sort: NEW	2020-06-09
9		New error messages: 28, 29.	2020-07-02
10		New error messages: 30, 31.	2020-08-13
11		MyGLS_API_services_json.txt	2020-08-27
12		New error messages: 32, 33.	2020-09-02
13		GetParcelStatusesRequest → LanguageIsoCode	2020-09-14

Getting started

Before you can start using this ***API*** for MyGLS system, you got to have an agreement with GLS. If you don't have the required MyGLS login credentials please contact GLS company.

MyGLS API communication is designed for using via ***HTTPS***.

MyGLS API supports two approaches: ***SOAP*** (format ***XML***) and ***REST*** (format ***JSON*** or ***XML***).

Used HTTP response codes: https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/401

The "Type of printer" property is set in the "Settings".

API service data assembly

API development team has decided to release shared assembly *GLS.MyGLS.APIServiceData.dll* **and sample codes (C#, PHP, JAVA)**.
You can download it e.g. from https://api.test.mygls.hu/.
Library contains declaration of all API request/response classes, enumerations, etc.
It can be used by own developed client implementation.

Authentication and authorization

Every calling of API method has to be authenticated via request parameter.
You need *user name (email)* and *password*.
Don't forget to fill it in all requests.

```
public partial class APIRequestBase
{
    public APIRequestBase()
    {
        ClientNumberList = new List<int>();

        Initialize();
    }

    partial void Initialize();

    public List<int> ClientNumberList { get; set; }
    /// <summary>
    /// Password from MyGLS encrypted with SHA512 algorithm
    /// </summary>
    public byte[] Password { get; set; }
    /// <summary>
    /// MyGLS user name (email address) used to authorize request
    /// </summary>
    public string Username { get; set; }
}
```

Password in string representation must be encrypted with ***SHA512*** algorithm to byte array. (see Appendix C: Copy / Paste snippet section)

Country domain API URLs

We are supporting MyGLS *API* for 6 countries now. Do not forget to use the **right country domain**.

{**service name**} = ParcelService

	Country		API URL
1	**Croatia**	SOAP	https://api.mygls.**hr**/{**service name**}.svc?singleWsdl
		REST	https://api.mygls.**hr**/{**service name**}.svc/{format}/{methodName}
		testing and development	https://api.**test**.mygls.**hr**/...
2	**Czechia**	SOAP	https://api.mygls.**cz**/{**service name**}.svc?singleWsdl
		REST	https://api.mygls.**cz**/{**service name**}.svc/{format}/{methodName}
		testing and development	https://api.**test**.mygls.**cz**/...
3	**Hungary**	SOAP	https://api.mygls.**hu**/{**service name**}.svc?singleWsdl
		REST	https://api.mygls.**hu**/{**service name**}.svc/{format}/{methodName}
		testing and development	https://api.**test**.mygls.**hu**/...
4	**Romania**	SOAP	https://api.mygls.**ro**/{**service name**}.svc?singleWsdl
		REST	https://api.mygls.**ro**/{**service name**}.svc/{format}/{methodName}
		testing and development	https://api.**test**.mygls.**ro**/...
5	**Slovenia**	SOAP	https://api.mygls.**si**/{**service name**}.svc?singleWsdl
		REST	https://api.mygls.**si**/{**service name**}.svc/{format}/{methodName}
		testing and development	https://api.**test**.mygls.**si**/...
6	**Slovakia**	SOAP	https://api.mygls.**sk**/{**service name**}.svc?singleWsdl
		REST	https://api.mygls.**sk**/{**service name**}.svc/{format}/{methodName}
		testing and development	https://api.**test**.mygls.**sk**/...

Used data structures in request/response objects

Parcel class

Object containing necessary data for printing labels.

Property	DataType	Description
ClientNumber	Integer	Unique client number provided by GLS company. REQUIRED
ClientReference	String	Client custom tag identifying parcel. STRONGLY RECOMMENDED (It is optionally REQUIRED, depends on the user right.)
Count	Integer	Count of parcels sent in one shipment. (maximum 99) DEFAULT 1
CODAmount	Decimal	Cash on delivery amount. NOT REQUIRED
CODReference	String	Cash on delivery client reference number used for payment pairing. REQUIRED if CODAmount is filled.
Content	String	Parcel info printed on label. (It is optionally REQUIRED, depends on the user right.)
PickupDate	DateTime	Pick up date. DEFAULT actual date
PickupAddress	Address	The address of place where courier pick up the shipment. REQUIRED
DeliveryAddress	Address	The address of destination place. REQUIRED
ServiceList	List<Service>	Services and their special parameters.

Address class

Object containing address of pick up place and parcel destination.

Property	DataType	Description
Name	String	Name of the person or organization. REQUIRED
Street	String	Name of the street. REQUIRED
HouseNumber	String	Number of the house. (ONLY NUMBER)
HouseNumberInfo	String	Additional information. (Building, stairway, etc.)
City	String	Name of the town or village. REQUIRED
ZipCode	String	Area Zip code. REQUIRED
CountryIsoCode	String	Two letter country code defined in ISO 3166-1. More... REQUIRED
ContactName	String	Name of person which can be asked or inform about shipment details by GLS.

Property	DataType	Description
ContactPhone	String	Phone number of person which can be asked or inform about shipment details by GLS.
ContactEmail	String	Email address of person which can be asked or inform about shipment details by GLS.

Service class

Object containing specific service settings.

Property	DataType	Description
Code	String	Service code (see Appendix B: List of services). REQUIRED
ADRParameter	ServiceParameterADR	Settings for ADR service REQUIRED FOR “ADR” SERVICE
AOSParameter	ServiceParameterString	Settings for AOS service REQUIRED FOR “AOS” SERVICE
CS1Parameter	ServiceParameterString	Settings for CS1 service REQUIRED FOR “CS1” SERVICE CODE
DDSParameter	ServiceParameterDateTime	Settings for DDS service REQUIRED FOR “DDS” SERVICE CODE
DPVParameter	ServiceParameterStringDecimal	Settings for DPV service REQUIRED FOR “DPV” SERVICE CODE
FDSParameter	ServiceParameterString	Settings for FDS service REQUIRED FOR “FDS” SERVICE CODE
FSSParameter	ServiceParameterString	Settings for FSS service REQUIRED FOR “FSS” SERVICE CODE
INSParameter	ServiceParameterDecimal	Settings for INS service REQUIRED FOR “INS” SERVICE CODE
MMPParameter	ServiceParameterDecimal	Settings for MMP service REQUIRED FOR “MMP” SERVICE CODE
PSDParameter	ServiceParameterStringInteger	Settings for PSD service REQUIRED FOR “PSD” SERVICE CODE
SDSParameter	ServiceParameterTimeRange	Settings for SDS service REQUIRED FOR “SDS” SERVICE CODE
SM1Parameter	ServiceParameterString	Settings for SM1 service REQUIRED FOR “SM1” SERVICE CODE
SM2Parameter	ServiceParameterString	Settings for SM2 service REQUIRED FOR “SM2” SERVICE CODE
SZLParameter	ServiceParameterString	Settings for SZL service REQUIRED FOR “SZL” SERVICE CODE
Value	String	Service value without previous special service settings

ErrorInfo class

In case of ParcelService.

Property	DataType	Description
ErrorCode	Integer	Appendix A
ErrorDescription	String	Appendix A
ClientReferenceList	List<String>	List of client parcel tags identifying parcels where specific error happened.
ParcelIdList	List<Integer>	List of database parcel ID identifying parcel records where specific error happened.

Parcel service operations

PrepareLabels

Validates parcel data for labels and adds valid parcel data to database.

```
PrepareLabelsResponse PrepareLabels(PrepareLabelsRequest prepareLabelsRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/PrepareLabels **(LATEST VERSION, format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/PrepareLabels_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class PrepareLabelsRequest

Property	DataType	Description
ParcelList	List<Parcel>	List of labels/parcels data . REQUIRED NOT EMPTY

```
public partial class PrepareLabelsRequest : APIRequestBase
{
    public PrepareLabelsRequest()
    {
        ParcelList = new List<ServiceData.APIDTOs.LabelOperations.Parcel>();

        Initialize();
    }

    partial void Initialize();

    /// <summary>
    /// Parcel list contains mandatory information for labels
    /// </summary>
    public List<ServiceData.APIDTOs.LabelOperations.Parcel> ParcelList { get; set; }
}
```

Response class PrepareLabelsResponse

Property	DataType	Description
ParcelInfoList	List<ParcelInfo>	List of successfully prepared records (ID and ClientReference) for generating labels.
PrepareLabelsError	List<ErrorInfo>	List of potential errors (see Error lists in response classes)

```
public partial class PrepareLabelsResponse
{
    public PrepareLabelsResponse()
    {
        ParcelInfoList = new List<ServiceData.APIDTOs.LabelOperations.ParcelInfo>();
        PrepareLabelsError = new List<ServiceData.APIDTOs.Common.ErrorInfo>();

        Initialize();
    }

    partial void Initialize();

    public List<ServiceData.APIDTOs.LabelOperations.ParcelInfo> ParcelInfoList { get; set; }
    public List<ServiceData.APIDTOs.Common.ErrorInfo> PrepareLabelsError { get; set; }
}
```

ParcelInfo class

Property	DataType	Description
ClientReference	String	Client custom tag identifying parcel.
ParcelId	Integer	Label/Parcel database record ID.

```
    public partial class ParcelInfo
    {
        public ParcelInfo()
        {

            Initialize();
        }

        partial void Initialize();

        /// <summary>
        /// Returned Client reference of created parcel (only when is present in request)
        /// </summary>
        public string ClientReference { get; set; }
        /// <summary>
        /// Parcel Id of created parcel
        /// </summary>
        public int ParcelId { get; set; }
    }
```

GetPrintedLabels

Generates parcel numbers and PDF document contains labels in byte array format.

```
GetPrintedLabelsResponse GetPrintedLabels(GetPrintedLabelsRequest getPrintedLabelsRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/GetPrintedLabels **(LATEST VERSION, format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/GetPrintedLabels_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class GetPrintedLabelsRequest

Property	DataType	Description
ParcelIdList	List<Integer>	List of labels/parcels database record ID. REQUIRED NOT EMPTY
PrintPosition	Integer	Number of page quarter ACCEPTED ONLY FOR A4-FORMAT 1 2 3 4
ShowPrintDialog	Bool	Flag for third party PDF reader (if supported application shows print dialog immediately after opening document)

```
public partial class GetPrintedLabelsRequest : APIRequestBase
{
    public GetPrintedLabelsRequest()
    {
        ParcelIdList = new List<int>();
        Initialize();
    }

    partial void Initialize();
    /// <summary>
    /// List of parcel IDs to be returned in label stream.
    /// </summary>
    public List<int> ParcelIdList { get; set; }
    /// <summary>
    /// Starting position for printing labels, used only in A4 format
    /// </summary>
    public int PrintPosition { get; set; }
    /// <summary>
    /// True - show print dialog automatically
    /// </summary>
    public bool ShowPrintDialog { get; set; }
}
```

Response class GetPrintedLabelsResponse

Property	DataType	Description
Labels	Byte[]	PDF document in byte array.
GetPrintedLabelsErrorList	List<ErrorInfo>	List of potential errors (see Error lists in response classes)

```
public partial class GetPrintedLabelsResponse
{
    public GetPrintedLabelsResponse()
    {
        GetPrintedLabelsErrorList = new List<ErrorInfo>();
        Initialize();
    }

    partial void Initialize();

    public List<ErrorInfo> GetPrintedLabelsErrorList { get; set; }
    /// <summary>
    /// Returned labels byte stream.
    /// </summary>
    public byte[] Labels { get; set; }
}
```

PrintLabels

Calls both PrepareLabels and GetPrintedLabels in one step.

So, it validates parcel data for labels, adds valid parcel data to database, generates parcel numbers and PDF document containing labels in byte array format.

```
PrintLabelsResponse PrintLabels(PrintLabelsRequest printLabelsRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/PrintLabels **(LATEST VERSION, format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/PrintLabels_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class PrintLabelsRequest

Property	DataType	Description
ParcelList	List<Parcel>	List of labels/parcels data . REQUIRED NOT EMPTY
PrintPosition	Integer	Number of page quarter ACCEPTED ONLY FOR A4-FORMAT 1 2 3 4
ShowPrintDialog	Bool	Flag for third party PDF reader (if supported application shows print dialog immediately after opening document)

```
public partial class PrintLabelsRequest : APIRequestBase
{
    public PrintLabelsRequest()
    {
        ParcelList = new List<ServiceData.APIDTOs.LabelOperations.Parcel>();
        Initialize();
    }

    partial void Initialize();
    /// <summary>
    /// Parcel list contains mandatory information for labels
    /// </summary>
    public List<ServiceData.APIDTOs.LabelOperations.Parcel> ParcelList { get; set; }
    /// <summary>
    /// Starting position for printing labels (used only for A4 format)
    /// </summary>
    public int PrintPosition { get; set; }
    /// <summary>
    /// True - show print dialog automatically
    /// </summary>
    public bool ShowPrintDialog { get; set; }
}
```

Response class PrintLabelsResponse

Property	DataType	Description
Labels	Byte[]	PDF document in byte array.
PrintLabelsErrorList	List<ErrorInfo>	List of potential errors (see Error lists in response classes)
PrintLabelsInfoList	List<PrintLabelsInfo>	List of successfully prepared records (ID and ClientReference) for generating labels.

```
public partial class PrintLabelsResponse
{
    public PrintLabelsResponse()
    {
        PrintLabelsErrorList = new List<ErrorInfo>();
        PrintLabelsInfoList = new List<PrintLabelsInfo>();
        Initialize();
    }

    partial void Initialize();
    /// <summary>
    /// Byte array labels response. Default is PDF format
    /// </summary>
    public byte[] Labels { get; set; }
    public List<ErrorInfo> PrintLabelsErrorList { get; set; }
    public List<PrintLabelsInfo> PrintLabelsInfoList { get; set; }
}
```

PrintLabelsInfo class (inherits ParcelInfo)

Property	DataType	Description
ClientReference	String	Client custom tag identifying parcel.
ParcelId	Integer	Label/Parcel database record ID.
ParcelNumber	Long	Parcel number

```
public partial class PrintLabelsInfo : ParcelInfo
{
    public PrintLabelsInfo()
    {
        Initialize();
    }

    partial void Initialize();
    /// <summary>
    /// Parcel number of printed parcel
    /// </summary>
    public long ParcelNumber { get; set; }
}
```

GetPrintData

Validates parcel data for labels, adds valid parcel data to database, generates parcel numbers and returns data for custom generating labels.

```
GetPrintDataResponse GetPrintData(GetPrintDataRequest getPrintDataRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/GetPrintData **(LATEST VERSION, format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/GetPrintData_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class GetPrintDataRequest

Property	DataType	Description
ParcelList	List<Parcel>	List of labels/parcels data . REQUIRED NOT EMPTY

```
public partial class GetPrintDataRequest : APIRequestBase
{
    public GetPrintDataRequest()
    {
        ParcelList = new List<ServiceData.APIDTOs.LabelOperations.Parcel>();
        Initialize();
    }

    partial void Initialize();
    public List<ServiceData.APIDTOs.LabelOperations.Parcel> ParcelList { get; set; }
}
```

Response class GetPrintDataResponse

Property	DataType	Description
GetPrintDataErrorList	List<ErrorInfo>	List of potential errors (see Error lists in response classes)
PrintDataInfoList	List<PrintDataInfo>	List of successfully prepared records (ID, ClientReference, ParcelNumber) for generating labels.

```
public partial class GetPrintDataResponse
{
    public GetPrintDataResponse()
    {
        GetPrintDataErrorList = new List<ErrorInfo>();
        PrintDataInfoList = new List<PrintDataInfo>();
        Initialize();
    }

    partial void Initialize();
    public List<ErrorInfo> GetPrintDataErrorList { get; set; }
    public List<PrintDataInfo> PrintDataInfoList { get; set; }
}
```

DeleteLabels

Set DELETED state for labels/parcels with specific database record ID.

```
DeleteLabelsResponse DeleteLabels(DeleteLabelsRequest deleteLabelsRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/DeleteLabels **(LATEST VERSION, format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/DeleteLabels_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class DeleteLabelsRequest

Property	DataType	Description
ParcelIdList	List<Integer>	List of labels/parcels database ID. REQUIRED NOT EMPTY MAX. 50 ITEMS PER REQUEST

```
/// <summary>
/// Delete labels request class
/// </summary>
public partial class DeleteLabelsRequest : APIRequestBase
{
    public DeleteLabelsRequest()
    {
        ParcelIdList = new List<int>();

        Initialize();
    }

    partial void Initialize();

    /// <summary>
    /// List of parcel ID to be deleted.
    /// </summary>
    public List<int> ParcelIdList { get; set; }
}
```

Response class DeleteLabelsResponse

Property	Description
SuccessfullyDeletedList	List of successfully deleted labels/parcels database ID. When a deleted parcel wasn't the only one in shipment, there is a filled array of sub-parcels ID.
DeleteLabelsErrorList	List of potential errors (see Error lists in response classes)

```
public partial class DeleteLabelsResponse
{
    public DeleteLabelsResponse()
    {
        DeleteLabelsErrorList = new List<Common.ErrorInfo>();
        SuccessfullyDeletedList = new List<SuccessfullyDeleted>();

        Initialize();
    }

    partial void Initialize();

    public List<Common.ErrorInfo> DeleteLabelsErrorList { get; set; }
    public List<SuccessfullyDeleted> SuccessfullyDeletedList { get; set; }
}
```

ModifyCOD

Changes COD amount for specific parcel.

```
ModifyCODResponse ModifyCOD(ModifyCODRequest modifyCODRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/ModifyCOD **(LATEST VERSION, format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/ModifyCOD_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class ModifyCODRequest

Property	DataType	Description
ParcelId	Integer	Label/parcel database ID. REQUIRED IF ParcelNumber IS NULL
ParcelNumber	Long	Parcel number. REQUIRED IF ParcelId IS NULL
CODAmount	Decimal	Cash on delivery amount. ZERO OR POSITIVE

```
public partial class ModifyCODRequest : APIRequestBase
{
    public ModifyCODRequest()
    {
        Initialize();
    }

    partial void Initialize();
    /// <summary>
    /// New cash on delivery amount
    /// </summary>
    public decimal CODAmount { get; set; }
    /// <summary>
    /// Parcel ID to change cash on delivery amount - optional
    /// </summary>
    public int? ParcelId { get; set; }
    /// <summary>
    /// Parcel Number to change cash on delivery amount - optional
    /// </summary>
    public long? ParcelNumber { get; set; }
}
```

Response class ModifyCODResponse

Property	DataType	Description
Successful	Bool	True = modifying COD without error
ModifyCODError	List<ErrorInfo>	List of potential errors (see Error lists in response classes)

```
public partial class ModifyCODResponse
{
    public ModifyCODResponse()
    {
        ModifyCODError = new List<ErrorInfo>();
        Initialize();
    }

    partial void Initialize();
    public List<ErrorInfo> ModifyCODError { get; set; }
    /// <summary>
    /// true - modify cash on delivery completed without error
    /// </summary>
    public bool Successful { get; set; }
}
```

GetParcelList

Get parcel(s) information by date ranges.

```
GetParcelListResponse GetParcelList(GetParcelListRequest getParcelListRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/GetParcelList **(format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/GetParcelList_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class GetParcelListRequest

Property	DataType	Description
PickupDateFrom	DateTime	Pickup date.
PickupDateTo	DateTime	Pickup date.
PrintDateFrom	DateTime	Print Date.
PrintDateTo	DateTime	Print date.

```
public partial class GetParcelListRequest : GLS.MyGLS.ServiceData.APIDTOs.Common.APIRequestBase
{
    public GetParcelListRequest()
    {

        Initialize();
    }

    partial void Initialize();

    public DateTime? PickupDateFrom { get; set; }
    public DateTime? PickupDateTo { get; set; }
    public DateTime? PrintDateFrom { get; set; }
    public DateTime? PrintDateTo { get; set; }
}
```

Response class GetParcelListResponse

Property	DataType	Description
GetParcelListErrors	List<ErrorInfo>	List of potential errors (see Error lists in response classes)
PrintDataInfoList	List<PrintDataInfo>	Parcel(s) information by date ranges.

```
public partial class GetParcelListResponse
{
    public GetParcelListResponse()
    {
        GetParcelListErrors = new List<GLS.MyGLS.ServiceData.APIDTOs.Common.ErrorInfo>();
        PrintDataInfoList = new List<GLS.MyGLS.ServiceData.APIDTOs.LabelOperations.PrintDataInfo>();

        Initialize();
    }

    partial void Initialize();

    public List<GLS.MyGLS.ServiceData.APIDTOs.Common.ErrorInfo> GetParcelListErrors { get; set; }
    public List<GLS.MyGLS.ServiceData.APIDTOs.LabelOperations.PrintDataInfo>PrintDataInfoList { get; set; }
}
```

GetParcelStatuses

Get parcel statuses with POD.

```
GetParcelStatusResponse GetParcelStatuses(GetParcelStatusesRequest getParcelStatusesRequest);
```

Request

Method	URL examples
POST	https://api.**test**.mygls.hu/ParcelService.svc/json/GetParcelStatuses **(format JSON, for HU)**
POST	https://api.**test**.mygls.cz/ParcelService.svc/xml/GetParcelStatuses_20190201 **(SPECIFIC VERSION, format XML, for CZ)**

Request class GetParcelStatusesRequest

Property	DataType	Description
ParcelNumber	Long	Parcel number. REQUIRED
ReturnPOD	Bool	True = get POD file in PDF format.
LanguageIsoCode	String	Default: EN. Possible values: HR, CS, HU, RO, SK, SL. (ISO 639-1)

```
public partial class GetParcelStatusesRequest : GLS.MyGLS.ServiceData.APIDTOs.Common.APIRequestBase
{
    public GetParcelStatusesRequest()
    {
        Initialize();
    }

    partial void Initialize();

    public long ParcelNumber { get; set; }
    public bool ReturnPOD { get; set; }
    public string LanguageIsoCode { get; set; }
}
```

Response class GetParcelStatusResponse

Property	DataType	Description
ClientReference	String	Client custom tag identifying parcel.
DeliveryCountryCode	String	Two letter country code defined in ISO 3166-1.
DeliveryZipCode	String	Delivery area Zip code.
GetParcelStatusErrors	List<ErrorInfo>	List of potential errors (see Error lists in response classes)
ParcelNumber	Long	Parcel number.
ParcelStatusList	List<ParcelStatus>	Parcel status.
POD	Byte[]	PDF document in byte array.
Weight	Double	Weight. (NULLABLE)

```
public partial class GetParcelStatusResponse
{
    public GetParcelStatusResponse()
    {
        GetParcelStatusErrors = new List<GLS.MyGLS.ServiceData.APIDTOs.Common.ErrorInfo>();
        ParcelStatusList = new List<GLS.MyGLS.ServiceData.APIDTOs.ParcelOperations.ParcelStatus>();

        Initialize();
    }

    partial void Initialize();

    public string ClientReference { get; set; }
    public string DeliveryCountryCode { get; set; }
    public string DeliveryZipCode { get; set; }
    public List<GLS.MyGLS.ServiceData.APIDTOs.Common.ErrorInfo> GetParcelStatusErrors { get; set; }
    public long ParcelNumber { get; set; }
    public List<GLS.MyGLS.ServiceData.APIDTOs.ParcelOperations.ParcelStatus> ParcelStatusList { get; set; }
    public byte[] POD { get; set; }
    public double? Weight { get; set; }
}
```

ParcelStatus class

Property	DataType	Description
DepotCity	String	Depot city.
DepotNumber	String	Depot number.
StatusCode	String	Status code.
StatusDate	DateTime	Status date.
StatusDescription	String	Status description.
StatusInfo	String	Status info.

Appendix A: API error codes

Error number	Meaning	Since change number
1	Request parameter is null	1
2	Parcel ID list is null	1
3	Parcel ID list is empty	1
4	Parcel ID not exists	1
5	Access denied for this parcel ID	1
6	Parcel with this ID has different status than PRINTED	1
7	Missing parcel data in request	1
8	COD amount has to be >= 0	1
9	Parcel number not exists	1
10	Parcel number was not assigned yet	1
11	Parcel list is null	1
12	Parcel list is empty	1
13	Parcel validation issue	1
14	User not exists	1
15	User is not authorized to access parcel	1
16	Label is empty	1
17	There are no parcel numbers	1
18	Parcel label is already generated	1
19	Parcel number generator failed	1
20	Parcel numbers were not generated	1
21	There are no printable labels	1
22	Count of parcels for deleting is out of limit	1
23	The house number cannot be 0	4
24	Wrong print date interval	7
25	Wrong pickup date interval	7
26	Parcel not found with current settings	7
27	User is not authorized to access to Client	7
28	The Count must be 1 because of the INS service	9
29	Parcel(s) count must be between 1 and 99	9
30	FSS service is not available without FDS	10
31	Same request sent 5 times within last 5 minutes (ATTENTION: the numbers in the message are variables. It is important because of the any retry logic.)	10
32	The ClientReference field is required	12
33	The Content field is required	12
1000	Unexpected exception happened	1
1001	Internal Problem	1

Appendix B: List of services

Not all services are available in each country or area. JSON examples: Appendix E.

Service code	Service name	Parameter
24H	Service guaranteed delivery shipment in 24 Hours	
ADR	Agreement about Dangerous goods by Road	ADRParameter(AdrItemType,AmountUnit,InnerCount, PackSize,UnNumber) REQUIRED (C# .NET example: "`new Service() { Code = "ADR", ADRParameter = new ServiceParameterADR() { AdrItemType = AdrItemType.EQ, AmountUnit = AmountUnit.ml, InnerCount = 1, PackSize = 1, UnNumber = 1002 } }`" → "EQ1002 1x1ml" (on the label))
AOS	Addressee Only Service	AOSParameter(Value) REQUIRED (Name of the recipient / contact person can be used)
COD	Cash On Delivery service	
CS1	Contact Service	CS1Parameter(Value) REQUIRED (Recipient phone number / contact phone number can be used)
DDS	Day Definite Service	DDSParameter(Value) REQUIRED (Date of delivery in format yyyy-MM-dd)
DPV	Declared Parcel Value service	DPVParameter(StringValue ,DecimalValue) REQUIRED (Used in case of HR, 20xxx zip codes, to declare value of the parcel) (C# .NET example: "`new Service() { Code = "DPV", DPVParameter = new ServiceParameterStringDecimal() { StringValue = "APITEST", DecimalValue = 12500 } }`")
FDS	Flexible Delivery Service	FDSParameter(Value) REQUIRED (Email address)
FSS	Flexible delivery Sms Service	FSSParameter(Value) REQUIRED (SMS phone number in international format; not available without FDS)
INS	Insurance Service	INSParameter(Value) REQUIRED (Value of the parcel)
PRS		
PSD	Parcel Shop Delivery service	PSDParameter(IntegerValue=DropOffPoint ID /StringValue) REQUIRED (C# .NET example: "`new Service() { Code = "PSD", PSDParameter = new ServiceParameterStringInteger() { StringValue = "2351-CSOMAGPONT" } }`") Please note, the PSD service requires **additonal attributes** to be provided, as **mandatory** (located in Address class): - ContactName - ContactPhone - ContactEmail
PSS	Pick & Ship Service	
SAT	SATurday service	
SBS	Stand By Service	
SDS	Scheduled Delivery Service	SDSParameter(TimeFrom,TimeTo) REQUIRED (The format the same as the PickupDate, but focus on the time (UTC).)

Service code	Service name	Parameter
SM1	SMs service	SM1Parameter(Value) REQUIRED (SMS Phone number and SMS text in format ”phone nr in international format|sms text”. Variables that can be used in the text of the SMS: #ParcelNr#,#COD#,#PickupDate#,#From_Name#,#ClientRef#.)
SM2	SMs pre-advice	SM2Parameter(Value) REQUIRED (SMS Phone number in international format)
SRS		
SZL	document return service (SZáLlítólevél visszaforgatás)	SZLParameter(Value) REQUIRED (Document number – string, max. 15 char)
T09	Express service	
T10	Express service	
T12	Express service	
TGS	Think Green Service	
XS	Exchange Service	

Appendix C: Copy / Paste snippet section

Password SHA512 C# implementation

```
/// <summary>
/// From password calculates hash to byte array
/// </summary>
/// <param name="password">raw password</param>
/// <returns>password hash</returns>
public static byte[] Sha512(string password)
{
    using (SHA512 sha512 = new SHA512Managed())
    {
        return sha512.ComputeHash(Encoding.UTF8.GetBytes(password));
    }
}
```

Password SHA512 PHP implementation

```
<?php
    $password_hash = hash('sha512', $password);
?>
```

Password SHA512 JAVA implementation

```
MessageDigest md = MessageDigest.getInstance("SHA-512");
byte[] pwd = md.digest(_password.getBytes());
```

Appendix D: Code Samples

https://api.mygls.hu/

Appendix E: Service parameter examples in JSON format

```
"ServiceList":[{
        "Code":"24H"
}]

"ServiceList":[{
        "Code": "ADR",
        "ADRParameter": {
                "AdrItemType": 2
                , "AmountUnit": 4
                , "InnerCount": 1
                , "PackSize": 1
                , "UnNumber": 1002
 }
}]
```

```
"ServiceList":[{
        "Code": "AOS",
        "AOSParameter": {
                "Value": "Test Addressee"
        }
}]

"ServiceList":[{
        "Code": "CS1",
        "CS1Parameter": {
                "Value": "+36701234567"
        }
}]

"ServiceList":[{
        "Code": "DDS",
        "DDSParameter": {
                "Value": "\/Date(1598911199000)\/"
        }
}]

"ServiceList":[{
        "Code": "DPV",
        "DPVParameter": {
                "StringValue": "APITEST",
                "DecimalValue": 12500
        }
}]

"ServiceList":[{
        "Code": "FDS",
        "FDSParameter": {
                "Value": "something@anything.hu"
        }
}]

"ServiceList":[{
                "Code": "FSS",
                "FSSParameter": {
                        "Value": "+36701234567"
                }
        }
        ,{
                "Code": "FDS",
                "FDSParameter": {
                        "Value": "something@anything.hu"
                }
}]
```

```
/*
In case e.g. HU: below 50000 HUF, there is a default insurance.
*/
"ServiceList":[{
	"Code": "INS",
	"INSParameter": {
		"Value": "50000"
	}
}]

"ServiceList":[{
	"Code": "MCC"
}]

"ServiceList":[{
	"Code": "PRS"
}]

"ServiceList":[{
	"Code":"PSD",
	"PSDParameter":{
		"StringValue":"2351-CSOMAGPONT"
	}
}]

"ServiceList":[{
	"Code": "PSS"
}]

"ServiceList":[{
	"Code": "SBS"
}]

/*
(SENT)1970-01-01 12:21:00 -> (SAVED)1970-01-01 12:30:00
(SENT)1970-01-01 15:51:00 -> (SAVED)1970-01-01 16:00:00
In case of PHP: date_default_timezone_set('UTC');
*/
"ServiceList":[{
	"Code": "SDS",
	"SDSParameter": {
		"TimeFrom": "\/Date(44460000)\/",
		"TimeTo": "\/Date(57060000)\/"
	}
}]

"ServiceList":[{
```

```
        "Code": "SM1",
        "SM1Parameter": {
                "Value": "+36701234567|#ParcelNr# - Test message."
        }
}]

"ServiceList":[{
        "Code": "SM2",
        "SM2Parameter": {
                "Value": "+36701234567"
        }
}]

"ServiceList":[{
        "Code": "SRS"
}]

"ServiceList":[{
        "Code": "SZL",
        "SZLParameter": {
                "Value": "DOCUMENT ID"
        }
}]

"PickupDate": "'.$pickupDate.'",
        "ServiceList":[{
                "Code": "T09"
}]

"PickupDate": "'.$pickupDate.'",
        "ServiceList":[{
                "Code": "T10"
}]

"PickupDate": "'.$pickupDate.'",
        "ServiceList":[{
                "Code": "T12"
}]

"ServiceList":[{
        "Code": "TGS"
}]

"ServiceList":[{
        "Code": "XS"
}]
```

Appendix F: Jargon

API (Application Program Interface) is a set of routines, rules and tools for building software. In this case, it is a set of clearly defined methods for parcel processing. It helps to develop fast and clear communication between MyGLS online system and customer systems. More...

Domain (in this case means "country code top level domain") is used and reserved for country, sovereign state or territory identified with a country code. More...

HTTPS (Hypertext Transfer Protocol Secure) is used for encrypted communication over a computer network. More...

JSON (JavaScript Object Notation) is an open standard file format that uses human readable object consisting of attribute-value pair and array data. More...

REST (Representational State Transfer) is a software architectural style that defines a set of constraints to be used for creating web services. More...

SHA512 (Secure Hash Algorithm 512 bits) is a cryptographic hash function from set of SHA-2 family. Method computes 64 bytes (512 bits / 8 bits per byte) from any content. Every byte can store values 0-255 (0x00-0xFF), so hexadecimal string takes 128 chars (64 bytes * 2 characters per byte). More...

SOAP (Simple Object Access Protocol) is specification for exchanging structured information in web service implementation. It uses XML for describing message format. More...

URL (Uniform Resource Locator) is reference to specific web resource – network location and a mechanism for retrieving it. More...

XML (Extensible Markup Language) defines a set of rules for encoded documents in a format that is both human and machine readable. More...