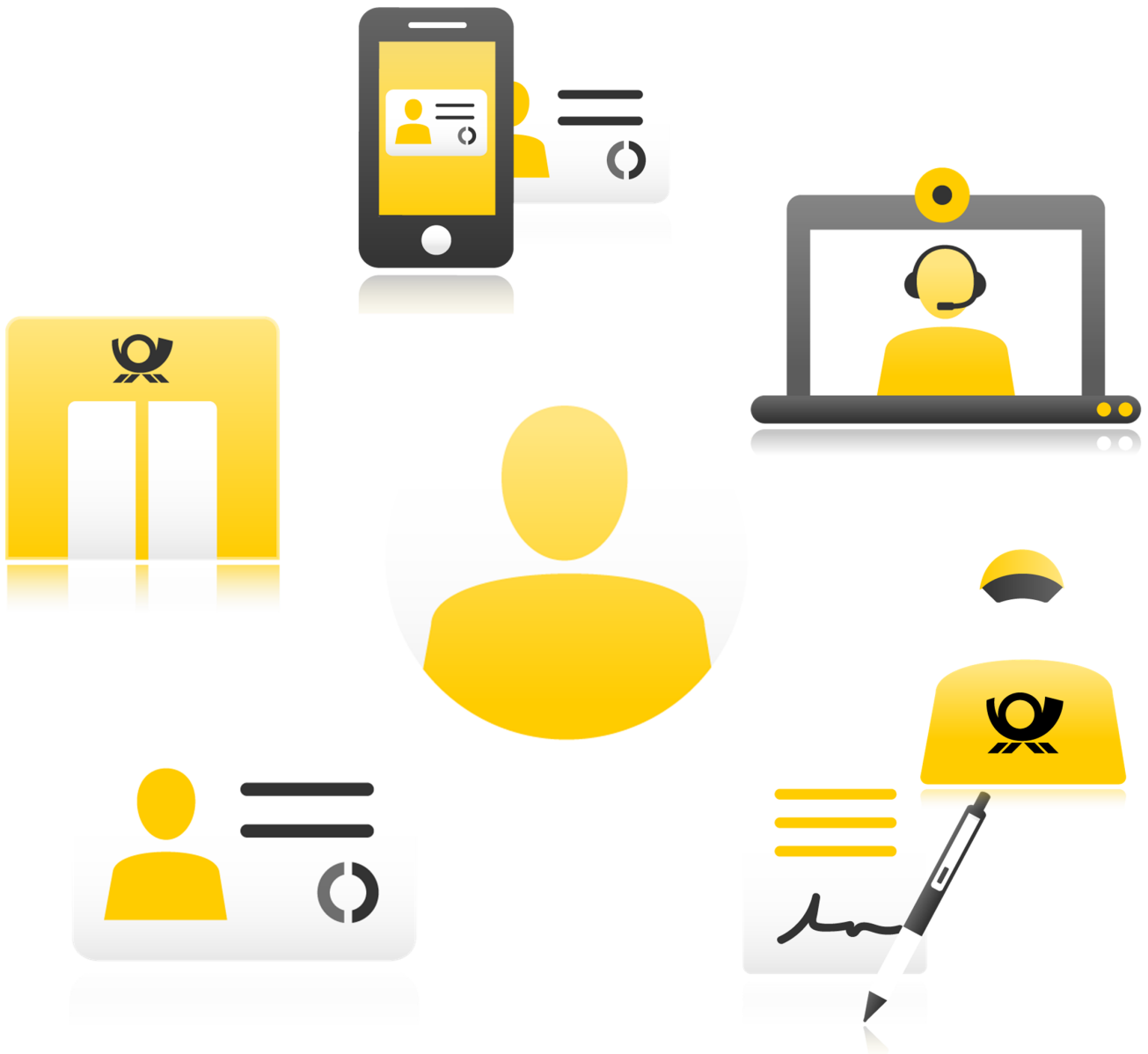




SFTP Delivery API Guide - Start

XML via SFTP



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Changelog

Date	Change
24.05.2024	Added new optional ContactData element for recipient email address (used for notifying the recipient)
13.05.2024	Added reference to XSD scheme file on download page
26.09.2023	Add new ReturnAddressType to request and result XML (Xsd schema)
20.03.2023	Update DMC example (24x24 symbols) and example address window
18.11.2022	Added clarifications concerning UTF-8 encoding of request and result XML.
30.03.2022	Note regarding capital ß added
09.03.2022	XML Scheme updated - change in several string lengths
16.11.2021	Update DMC examples
05.10.2021	Status text "Birthdate is missing" added in DeliveryResponse XML Scheme updated - birthdate is now optional
05.08.2021	Values added in DeliveryResponse
16.07.2021	Optional field Referenceld added
07.07.2021	Minor Changes
30.06.2021	Minor Changes
14.05.2021	Minor Changes
16.04.2021	Errorcodes added
02.03.2021	Created

1 Overview

In order to start the Postident delivery process, it is necessary for you to create a Postident case. The case is created by an XML file which is transmitted via SFTP (SFTP is provided by Postident). The information relevant for the further process is subsequently transmitted by response XML, also via SFTP. The response file also contains the feedback, whether the case could be created successfully. You will also get a datamatrixcode which needs to be printed on the envelope. For further information see the documentation of the operational process.

2 SFTP

2.1 Prerequisite

To access the SFTP interface your IT system needs a system account with a user name and public key to access (specifications for the key: RSA public key with a length of at least 3072 bits in OpenSSH-Format). Your account will be created by our DPAG service team. If you manage your users in our "Auskunftsportal", you can create the system account yourself. For each system account, you will also receive a data password with which you can decrypt the encrypted data after it has been retrieved.

2.2 Protocol

The Secure File Transfer Protocol (SFTP) is used.

The following cryptographic methods are supported by the server:

Block Encryption:

- AEAD_AES_256_GCM (aes256-gcm@openssh.com) (**recommended**)
- AEAD_AES_128_GCM (aes128-gcm@openssh.com)
- aes256-ctr
- aes128-ctr
- aes192-ctr

Key Exchange:

- diffie-hellman-group14-sha256 (**recommended**)
- diffie-hellman-group15-sha512
- diffie-hellman-group16-sha512
- diffie-hellman-group-exchange-sha256 (modulo size >= 2048 and <= 8192)

Message Authentication Code:

- hmac-sha2-256
- hmac-sha2-512

HostKey Algorithmus:

- ed-25519 (**recommended**)
- rsa-sha2-512
- rsa-sha2-256

Bekannte Hosts aktualisieren: Um den neuen Schlüssel sicher zu Ihrer Datei „known_hosts“ hinzuzufügen, entfernen Sie zunächst den alten Eintrag für unseren Server aus der Datei (dieser befindet sich normalerweise in ~/.ssh/known_hosts) und stellen Sie dann über Ihren SFTP-Client eine Verbindung zum Server her, um den neuen Schlüssel zu akzeptieren, oder fügen Sie den von ssh-keyscan erhaltenen Schlüssel manuell zur Datei „known_hosts“ hinzu.

Stellen Sie unbedingt sicher, dass Sie der Quelle des SSH-Schlüssels vertrauen. Die manuelle Überprüfung des Schlüsselfingerabdrucks mit dem von uns bereitgestellten Fingerabdruck erhöht Ihre Sicherheit, indem bestätigt wird, dass Sie eine sichere Verbindung zum echten Server herstellen.

Überprüfen Sie den neuen SSH-Schlüssel: Nach dem Update erhalten Sie bei der ersten Verbindung zum SFTP-Server eine Benachrichtigung, dass sich der Hostschlüssel geändert hat, sofern Sie die Datei „known_hosts“ nicht zuvor manuell aktualisiert haben. Um die Sicherheit Ihrer Verbindung zu gewährleisten, ist es wichtig, dass Sie den Fingerabdruck des neuen SSH-Schlüssels überprüfen, bevor Sie fortfahren.

Der neue Fingerabdruck des öffentlichen SSH-Schlüssels lautet:

Integrations- und Testumgebung

```
Ed25519 Public Key MCowBQYDK2VwAyEApYD7vMQe5osn0a659RBF7Hs5dtCBvk08ZdggYdy9FQ=
```

Ed25519 Public Key Fingerprint SHA256:+tmHr71+iqWQBtluwH5y1HJgSrUI0ucIAMwbIJsldCo

Ed25519 Public Key Fingerprint MD5:74:a4:e1:0c:57:81:ff:44:b0:d6:89:d3:72:66:c2:3f

RSA Public Key Fingerprint SHA256:vzYygQkYQIfcVjmhKlXe1QU7PuZPiGzrvlW9r0vQvRs

RSA Public Key Fingerprint MD5:3b:07:f9:92:ca:20:6e:61:7f:00:ad:1e:7b:61:16:84

Produktionsumgebung ab Release 21, 09.07.24:

Ed25519 Public Key MCowBQYDK2VwAyEA9gq9TjaFjxo9i6MFeCRxUAZzhgZErEbMubndkthxDmc=

Ed25519 Public Key Fingerprint SHA256:MzIEMQ6Vq+bAJ5X1CuCBbVo7pkAw0PHOakAwLK+79/Y

Ed25519 Public Key Fingerprint MD5:9a:74:4d:36:73:93:3b:6a:de:d0:7b:40:9e:c1:11:ac

RSA Public Key Fingerprint SHA256:MRA6iDLbCXc/l/cx5u0GZbYMa/cjL+dFYOM2PFAGIdA

RSA Public Key Fingerprint MD5:bb:35:08:a4:79:c5:bd:d6:d6:4a:91:ff:24:1b:89:2c

2.3 Host

postident-transfer.deutschepost.de (149.239.125.97) Port 22

2.4 Provided Data

Via SFTP you provide the list of cases you want to start. The file needs to be packed in an archive (ZIP), encrypted with the data password of the SFTP system account and made available in the SFTP drive. The encryption uses the so-called WinZip-AES encryption (based on AES256 CTR), which is supported by common zip software.

In response you will receive an archive (ZIP) with the list including several information and the datamatrixcode per case.

2.5 Folder

On the SFTP Server you must upload your files in the following folder structure. You must create the folders initially if they don't exist yet. You will get your `BC_ID` and `BC_CONFIGURATION_IDS` from the serviceteam.

```

/
  <BC_ID>
    <BC_CONFIGURATION_ID1>
      file10.zip
      file11.zip
    <BC_CONFIGURATION_ID2>
      file21.zip
      file21.zip
  
```

2.6 ZIP-Archive-File

2.6.1 Name scheme

```
POSTIDENT_<USERNAME>_<BC_CONFIGURATION_ID>_<TIMESTAMP>_REQUEST.zip
```

```
POSTIDENT_<USERNAME>_<BC_CONFIGURATION_ID>_<TIMESTAMP>_RESPONSE.zip
```

Parametername	Description	Example
USERNAME	System user name for SFTP access	NUTZER.SFTP
BCCONFIGURATIONID	Your business customer configuration id	8342367814
TIMESTAMP	Timestamp of file creation YYYYMMDD_HH24MISS	20210321_135042

e.g. `POSTIDENT_USER.SFTP_8342367814_20210301_135042_REQUEST.zip`

The file name has to be unique.

2.6.2 Files in ZIP-archive

The following files need to be provided by you in the ZIP-archive

- **Request file** in XML format (same name as the ZIP-archive; UTF-8 encoded)

The following files are included in the ZIP-archive you receive as a response

- **Response file** in XML format (same name as the ZIP-archive; UTF-8 encoded)

Detailed information about the XML files is included in chapter 3. XML.

2.6.3 Frequency of file collection / provision

The request files are collected from the SFTP drive every five minutes by postident system.

2.6.4 Deletion of files on SFTP drive

The request and response files are automatically deleted after thirty days.

3 XML Files

3.1 Scheme

You can download the XSD scheme from <http://www.postident.de/handbuch>.

3.2 Content of data fields

Field length and mandatory / optional fields are defined in the xsd scheme.

3.2.1 Structure of DeliveryHeader

Elements	Description
<ul style="list-style-type: none"> NumberOfDatasets (Type Int) 	Number of data records that were included in the request.
<ul style="list-style-type: none"> ResponseStatus <ul style="list-style-type: none"> BatchStatusCode (Type String) BatchStatusText (Type String) 	The response status when the data has been processed. Status code - status text: success - All data records of the delivery have been processed successfully error - Errors in individual data records in the delivery declined - XML not well-formed / Schema validation failed, delivery refused / Delivery cannot be decrypted / File name syntax is incorrect

3.2.2 Structure of DeliveryBody

Elements	Description
<ul style="list-style-type: none"> DeliveryDatasetList 	List of datasets for which a case is created in the Postident system

3.2.3 Structure of DeliveryDataset

Elements	Description
<ul style="list-style-type: none"> DatasetNumber 	Consecutive number in the data records list. Allows sorting for request and response processing.
<ul style="list-style-type: none"> DeliveryRequest 	Request object, that contains information about the private customer.
<ul style="list-style-type: none"> DeliveryResponse 	Response object, that contains information about the case (caseID, datamatrixcode etc.) and status codes for several steps of the case

3.2.4 Structure of DeliveryRequest

Elements	Description
<ul style="list-style-type: none"> • IdentityData <ul style="list-style-type: none"> • Firstname (Type String, 0-150 Character) • Lastname (Type String, 0-150 Character) • Birthdate (Type String, 0-10 Character) • Address <ul style="list-style-type: none"> • StreetAddress (Type String, 0-150 Character) • Housenumber (Type String, 0-10 Character) • Appendix (Type String, 0-150 Character) • Postalcode (Type String, 0-11 Character) • City (Type String, 0-150 Character) • Country (Type String, 3 Character) • ContactData <ul style="list-style-type: none"> • EmailAddress (Type String, 3-254 Character) 	<p>Data of the recipient.</p> <ul style="list-style-type: none"> • Firstname and Lastname will be truncated after 35 characters before storing in database. • City will be truncated after 50 characters before storing in database. • The letter capital ß will be rejected in LabelGeneration. • Only "DEU" is allowed for country. • ContactData are optional. Please note that, in accordance with Art. 4 No. 11 GDPR, you must obtain the recipient's consent to forward their e-mail address to DHL Group (Deutsche Post AG). The e-mail address is used to send a DHL Parcel Notification to the recipient. The e-mail address is not mandatory for shipments within Germany. Please note that in accordance with RFC 5322 and RFC 5321 we allow the inclusion of the full spectrum of all possible e-mail addresses but due to restrictions of the notification service only e-mail addresses with a maximum of 80 characters will actually be used to send a DHL Parcel Notification to the recipient (e-mail addresses with > 80 characters will be ignored).
<ul style="list-style-type: none"> • CustomData <ul style="list-style-type: none"> • Custom1 (Type String, 0-100 Character) 	<p>Custom field that can be used for passing your own ids or references.</p> <p>This data is included in the result data of the case.</p> <p>You must ensure that you do not pass any personal data, as this data will be retained for documentation purposes after the case data is deleted.</p>
<ul style="list-style-type: none"> • ProcessData <ul style="list-style-type: none"> • ReferenceId (Type String, 0-14 Character) • WebhookUrl (Type String, 0-500 Character) 	<ul style="list-style-type: none"> • ReferenceId can be used for passing your own id that needs to be printed on your invoice. • The WebhookUrl contains the endpoint to which a webhook is sent when a certain status is achieved.
<ul style="list-style-type: none"> • ReturnAddress <ul style="list-style-type: none"> • Name1 (Type String, 0-100 Character) • Name2 (Type String, 0-100 Character) • StreetAddress (Type String, 0-150 Character) • HouseNumber (Type String, 0-10 Character) • Postalcode (Type String, 0-11 Character) • City (Type String, 0-150 Character) • Country (Type String, 3 Character) 	<p>Optional, to be included, if the provision of the return address by the business customer is configured. If configured and not provided an error will be returned with the xml result.</p> <p>Only "DEU" is allowed for country.</p>

3.2.5 Structure of DeliveryResponse

Elements	Description
<ul style="list-style-type: none"> • StatusCode (Type String) • StatusText (Type String) 	<ul style="list-style-type: none"> • Status code at the level of a dataset • Descriptive status text for the status code <p>status code - status text:</p> <ul style="list-style-type: none"> ▪ success - The data record was processed without errors ▪ error - There were errors in at least one processing step
<ul style="list-style-type: none"> • Caseld 	<p>Unique ID in postident system for the delivery dataset.</p>
<ul style="list-style-type: none"> • LabelGeneration <ul style="list-style-type: none"> • StatusCode (Type String) • StatusText (Type String) • StatusMessages <ul style="list-style-type: none"> • StatusMessage (Type String) 	<p>Information on creating a label for a case.</p> <p>Is filled with both positive and negative creation of the label.</p> <p>status code - status text:</p> <ul style="list-style-type: none"> • success - Label created successfully • error - Internal error when accessing the label generation interface / Validation of the recipient address failed / Hard validation error occurred / Birthdate is missing <p>There can be further text with detailed information in the element "statusMessages".</p>
<ul style="list-style-type: none"> • DmcGeneration <ul style="list-style-type: none"> • StatusCode (Type String) • StatusText (Type String) • PackagingJobId (Type PackagingJobIdType) • DocumentId (Type String) • PageNumber (Type String) • Dmc (Type String) 	<p>Information on creating a data matrix code for a case.</p> <p>Is filled with both positive and negative creation of the DMC.</p> <p>Information regarding the process of creating the DMC, the DMC itself and the metadata.</p> <p>DMC is provided as base64.</p> <p>status code - status text:</p> <ul style="list-style-type: none"> • success - Data matrix code created successfully • error - Error generation of data matrix code / DocumentId not set

3.3 Request

3.3.1 File name of request

`POSTIDENT_<USERNAME>_<BC_CONFIGURATION_ID>_<TIMESTAMP>_REQUEST.zip` (same name as the XML file)

3.3.2 Encryption of the batch files

Request and response files are encrypted using the data password of the SCR user to be configured using AES256.

If the request file is completely rejected (batchStatusCode error) you need to provide a new file with different name (new timestamp).

3.3.3 Example request:

```

<?xml version="1.0" encoding="UTF-8"?>
<PostidentDeliveryBatch xmlns="urn:www-deutschepost-de:Postident/Delivery/1.0">
  <DeliveryHeader>
    <NumberOfDatasets>1</NumberOfDatasets>
  </DeliveryHeader>
  <DeliveryBody>
    <DeliveryDatasetList>
      <DeliveryDataset>
        <DatasetNumber>1</DatasetNumber>
        <DeliveryRequest>
          <IdentityData>
            <Firstname>Erika</Firstname>
            <Lastname>Mustermann</Lastname>
            <Birthdate>1964-08-12</Birthdate>
            <Address>
              <StreetAddress>Heidestrasse</StreetAddress>
              <HouseNumber>16a</HouseNumber>
              <Appendix>Hinterhaus</Appendix>
              <Postalcode>51147</Postalcode>
              <City>Köln</City>
              <Country>DEU</Country>
            </Address>
            <ContactData>
              <EmailAddress>erika.mustermann@mustermail.de</EmailAddress>
            </ContactData>
          </IdentityData>
          <CustomData>
            <Custom1>Eigene Referenz</Custom1>
          </CustomData>
          <ProcessData>
            <ReferenceId>12345</ReferenceId>
            <WebhookUrl>https://testurl.de/webhook</WebhookUrl>
          </ProcessData>
          <ReturnAddress>
            <Name1>Geschäftskunde 1</Name1>
            <StreetAddress>Charles-de-Gaulle-Straße</StreetAddress>
            <HouseNumber>20</HouseNumber>
            <Postalcode>53113</Postalcode>
            <City>Bonn</City>
            <Country>DEU</Country>
          </ReturnAddress>
        </DeliveryRequest>
      </DeliveryDataset>
    </DeliveryDatasetList>
  </DeliveryBody>
</PostidentDeliveryBatch>

```

3.4 Response

3.4.1 File name of response

POSTIDENT_<USERNAME>_<BCCONFIGURATIONID>_<TIMESTAMP>_RESPONSE.zip (same name as the XML file)

3.4.2 Example response OK:

```

Response data - without errors

<?xml version="1.0" encoding="UTF-8"?>
<PostidentDeliveryBatch xmlns="urn:www-deutschepost-de:Postident/Delivery/1.0">
  <DeliveryHeader>
    <NumberOfDatasets>1</NumberOfDatasets>
    <ResponseStatus>
      <BatchStatusCode>success</BatchStatusCode>
      <BatchStatusText>Datamatrixcode created successfully</BatchStatusText>
    </ResponseStatus>
  </DeliveryHeader>
  <DeliveryBody>
    <DeliveryDatasetList>
      <DeliveryDataset>
        <DatasetNumber>1</DatasetNumber>
        <DeliveryRequest>
          <IdentityData>
            <Firstname>Erika</Firstname>
            <Lastname>Mustermann</Lastname>
            <Birthdate>1964-08-12</Birthdate>
            <Address>
              <StreetAddress>Heidestrasse</StreetAddress>
              <HouseNumber>16a</HouseNumber>
              <Appendix>Hinterhaus</Appendix>
              <Postalcode>51147</Postalcode>
              <City>Köln</City>
              <Country>DEU</Country>
            </Address>
            <ContactData>
              <EmailAddress>erika.mustermann@mustermail.de</EmailAddress>
            </ContactData>
          </IdentityData>
          <CustomData>
            <Custom1>Eigene Referenz</Custom1>
          </CustomData>
          <ProcessData>
            <ReferenceId>12345</ReferenceId>
            <WebhookUrl>https://testurl.de/webhook</WebhookUrl>
          </ProcessData>
          <ReturnAddress>
            <Name1>Geschäftskunde 1</Name1>
            <StreetAddress>Charles-de-Gaulle-Straße</StreetAddress>
            <HouseNumber>20</HouseNumber>
          </ReturnAddress>
        </DeliveryDataset>
      </DeliveryDatasetList>
    </DeliveryBody>
  </PostidentDeliveryBatch>

```

```

    <Postalcode>53113</Postalcode>
    <City>Bonn</City>
    <Country>DEU</Country>
  </ReturnAddress>
</DeliveryRequest>
<DeliveryResponse>
  <StatusCode>success</StatusCode>
  <StatusText>The data record was processed without errors</StatusText>
  <CaseId>ABCD1234ABCD</CaseId>
  <LabelGeneration>
    <StatusCode>success</StatusCode>
    <StatusText>Label erfolgreich erstellt</StatusText>
  </LabelGeneration>
  <DmcGeneration>
    <StatusCode>success</StatusCode>
    <StatusText>Datamatrixcode erfolgreich erstellt</StatusText>
    <PackagingJobId>99000001</PackagingJobId>
    <DocumentId>000001</DocumentId>
    <PageNumber>01</PageNumber>
  </DmcGeneration>

```

AAAY20LEQVR4Xu2de3RU1fXHyZNAMAQSCRTQiAuKBiKkTskUu3gsCsgqUKE8xGhkQV1AIqmCLgryKHFVRRB0FcLCANoq5V
XxUbAVRIM85CWU0gQQKTZSGjAIMZTGAL9t5nfnt+d7z92euT0TGfI7nz9YK+f73fvsy1537j137sw0um5oKDTCAcMni+l1
w8H0suFgetlWML1s0JheNhxMLyOUa9euLV26tFu3bo3qyMjImDdv3uXL19HHML0MP8eOHU+PT//www/
5YH5+PrUwLS1t+PDhI0aM6NChA/
2ZnZ391VdfcRvH9DL8bNu2jfr0ySefeFkysqi06PHjRv33//+1zu4YsUKGpw5c6Z3BDC9DD87duygXpaWlnpHLi9fHhsb
W1lZyVzfMGrUqNtvvx0GvZhehp9Tp05RLzds20AdWbRoUZs2bZjlf3nmmWeoxzhqYXoZEXTs2HHAgaHEP998883GjRv/
5z//YZZvyMvLa9myJQx6Mb2MCFauXEfn5rRp077+
+mv6k7p4yy23vPTSS9xz8uTJ50Tk0aNH80G06WVEQDuQIRMnUjvuu0M0eiHds2fPxo0b27dv/
8orr1RXV58+fbqoqIjWtM2bNz9+/DgGW5heRhCrV6+mzYlnQ2nnrrvu0nToEMYwTC8jtt27dy9ZsuThhx/
0zc2LzSX902f0nPfffx99NkvwGw6ml5H0hTpwIXpZYRCC9q5c+fSLtNzsbz55pvz8/Plpppehp8jR45Qt7Zt28YH77//
fhqkfWduHT/4wQ/oz86d09tvBnkxvQw/W7dupT7R9tE78te//
pVG8vLyr1696h1844034uLi fvnLX3pHANPL8LNz507q3NGjR70jS5cuJY+Pr6qqYq5ve0CBB2699VY9GJ6GX7Ky8up16+
99pp35Pnnnzf3Y29Uunbt2qtXL+8r6jvvvEPnpf2tyl/84he0CIJBL6aXEcG6devo1KQ1TnV1Nf1ZU1PTqV0nxYsXc8/
hw4cTExPJwcc5ppeRwowZM6id9NI6bdo0WuasXbs2NTX1ueeeozURLYXmZuXlJSUlpb2z3/+EyMtTC8j iM2bN2dnZ3s2l
Hb69+/
P17p2TC8jjhMnTtBJ0Xfu3Pz8fHpFfeSRR5YsWVJWVoY+G6aXDQfTy0jk90nTtNLZvn07nY5nZpxB2QHTy0iB1q7FxcX9+
vVLEiAKYUtXwcPHrx+/fpr165hGMP0MiI4e/
ZsVlYwts0LjWXYsGF0pZrMXHixL59+zT2pTUIU0GXLlyBYMTC8jAjrtqFsvv/yy53kf0xcvXpw+fTq1c/
bs2ahZmF6GH7o6RkVFLVY4EAUbdF6mp6fjqIXpZfihN06dcPv27UPBRMfHYXR0NH/
zhGN6GX40HDhAvdy0aRMKNvLy8lq0aIgjFqaX4Yeuka1aterWrdv58+dRY+zfv/
+mm24aN24cChamlxHBmjVr6MWTfrFTpkzZuHHj3r17T1mUlJSSXLly7Nix8fHxbdu2LS8vx2AL08tIYcuWLRkZGT77SkZc
XFx0T05838D0MrIoLS0tLi72bCtzc3MLCgpovUNn6pdffoLW6aXDQfTy4iDTkG6Xm630HTokP0BAYwml5HCpUuXnn766S
5duuClso4ePXr89re/
5R+TtmN6GRF8+umnHTt2pJ516tSjLpN0vSwqKlq9evXiXyuffPLJESNG0KaF1F69etkfvzNihkR3H333cnJyZs3b0bBoq
amZsGCBVFRUY899hhqFqaX4efkyZN0zi1btgwFGyNHjnzXrh20Wphehp/
33nuvkd79WLqgmVuxEQ2tVKmXa9euRcGGeT420qHzrH379rT2+cc//oEa4913301ISJgwYQIKFope+qyFDRrg/6D/
0KonPj6+SZMmY8aMe fHFF+lp7/7y9ddff/bZZ/v3708LH1rlnjt3DoMfHVGpYZvA/
8HXbf7925qGKa2SEpKevTRR+U7eYo6MI3h28D/wQD497//dZbby1atMj7vM/y5cupzbQnQasNRR1YqeHbWp/
BMKGoAytloJWBVL/QzRCcggSEwgm4i3LBSWPH6NRcbfHnP//
5s88+Q5MKRvM8aACtDLT6gm6G4BQkIBR0wF2UPhUVFQUFBd4vKADS09Pp9fbSpUsYxLCUhwkYaGwg1Rd0MwSnIAGhcLuo
jT529/+5uli7969p0+f7rkZ62HJkiX5+fmeu7UZGRlffPEFBlsoyJFA2hloNUXdMEpyABoXAC7qI0ycrKat26tXzrZ9W
qVTEXMZMmTULBQLEWLxpAkW0tvqCbITgFCQiFE3AXpUNZWRnlpFMQBRs50TlpaWk4aqEoixcNdQtSsIAP0K6dAhjJQCtD3
6mD537s/
v37UbDh9/1YoVBBChYwBce1UwAjGWhl6Dt1oIsLJXnlLvdQsPHggw8qv5PCg6IOoVBBChYwBce1UwAjGWhl6Dt1uHbtGi1
t2rVrd/jwYdQYa9asiY2NnTp1KgoWijqEQgUpWMAUHN0AYxkoJWh79SkpKSkWbNm9PrZv3//
WbNm0bXzjtFe2L59+7p161asWPHoo49mZmY2qvsdBGfBoqhDKFSQggVMwXhTFMBIBloZ+k59SktLR40a5flsnplbb721sL
DQ/q3dHEUdkAVL0BODloZrp0CGBlhULc+
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nHgpZF06ZN27x5s3wn4bq/
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QzL27dqfY/78+fHx8cG5H4tWZzCSITtBdYeQEyQ0t/nLDJCKioqYmBjhx5081NTUd0/e/fvf/
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qioqEmTjPwWlqJwd0uIzt2+ffvS1Bs2bEDZQLewFs5AqzMYyZCdoLpDyAkSh9v8cgZOVVXVT3/6U0/
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+CHlLD8r4mHu3LkJCQmmL2qEhFwCFaQA+eKLL+Lj4x966CEUfLl8+XLnzp179eqFgoWilF60XDc40fp0ffRzunYKYCQDrf
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1y5cmXChAmeH7SIiYmhrQh1rk+fPnfeefbtm09s6Smpq5btw4jGYo6fMoUCwUnR9+pj350104BjGSg1S1Hjx6Lk+I999z
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1a+/
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```
+0NHjhzBAF8UZbGavyFwCVRBALWQQBUkUN1JoIIUONXV1WPGjPEkp8tkn7pvAc7NzR0+fPjdd9+dmppK41FRUD0mTX06UX
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bt27dp06aN6r6U9MqVKxhsYXoZEdBpR916+eWxN75uXjx4vTp06mds2fPRs3C9DL80NUxKipq4cKFKNiG8zI9PR1HLUwv
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cuT7BqaXkUVpaWlxcBfnW5mbm1tQUEDrHTpTv/
zyS7TaML1s0JheNhxML28MDh06JN+MvW56eUNw90jR2NhyunCi4Ivp5Y3B1KlTY2Ji3nvvPRQYppc3BrW1tQMGDEhLSzP7
y4iG9hveT+g5MXz48HvzvZc2mkOHDsV4C9PL8FNZwen9JsnvxfTy/
wWmlw0H08uGg+llw8H0suFgetlWML1s0JheNhz+B49cr8obuQQtAAAAAElFTkSuQmCC</Dmc>
    </DmcGeneration>
  </DeliveryResponse>
</DeliveryDataset>
  </DeliveryDatasetList>
</DeliveryBody>
</PostidentDeliveryBatch>
```


3.4.3 Example response with errors during processing

Response objekt - error single dataset

```
<?xml version="1.0" encoding="UTF-8"?>
<PostidentDeliveryBatch xmlns="urn:www-deutschepost-de:Postident/Delivery/1.0">
  <DeliveryHeader>
    <NumberOfDatasets>1</NumberOfDatasets>
    <ResponseStatus>
      <BatchStatusCode>error</BatchStatusCode>
      <BatchStatusText>Error generation of data matrix code</BatchStatusText>
    </ResponseStatus>
  </DeliveryHeader>
  <DeliveryBody>
    <DeliveryDatasetList>
      <DeliveryDataset>
        <DatasetNumber>1</DatasetNumber>
        <DeliveryRequest>
          <IdentityData>
            <Firstname>Erika</Firstname>
            <Lastname>Mustermann</Lastname>
            <Birthdate>1964-08-12</Birthdate>
            <Address>
              <StreetAddress>Heidestrasse</StreetAddress>
              <HouseNumber>16a</HouseNumber>
              <Appendix>Hinterhaus</Appendix>
              <Postalcode>51147</Postalcode>
              <City>Köln</City>
              <Country>DEU</Country>
            </Address>
            <ContactData>
              <EmailAddress>erika.mustermann@mustermail.de</EmailAddress>
            </ContactData>
          </IdentityData>
          <CustomData>
            <Custom1>Eigene Referenz</Custom1>
          </CustomData>
          <ProcessData>
            <ReferenceId>12345</ReferenceId>
            <WebhookUrl>https://testurl.de/webhook</WebhookUrl>
          </ProcessData>
          <ReturnAddress>
            <Name1>Geschäftskunde 1</Name1>
            <StreetAddress>Charles-de-Gaulle-Straße</StreetAddress>
            <HouseNumber>20</HouseNumber>
            <Postalcode>53113</Postalcode>
            <City>Bonn</City>
            <Country>DEU</Country>
          </ReturnAddress>
        </DeliveryRequest>
      </DeliveryDataset>
    </DeliveryDatasetList>
  </DeliveryBody>
</PostidentDeliveryBatch>
<DeliveryResponse>
  <StatusCode>error</StatusCode>
  <StatusText>There were errors in at least one processing step</StatusText>
  <CaseId>ABCD1234ABCD</CaseId>
  <LabelGeneration>
    <StatusCode>error</StatusCode>
    <StatusText>Hard validation error occured.</StatusText>
  </LabelGeneration>
</DeliveryResponse>
```

```

        <StatusMessages>
          <StatusMessage>In der Sendung trat mindestens ein harter Fehler
auf.</StatusMessage>
          <StatusMessage>Die angegebene Straße kann nicht gefunden werden.</
StatusMessage>
        </StatusMessages>
      </LabelGeneration>
    </DeliveryResponse>
  </DeliveryDataset>
</DeliveryDatasetList>
</DeliveryBody>
</PostidentDeliveryBatch>

```

3.4.4 Example response with error in scheme

Response objekt - error in scheme

```

<?xml version="1.0" encoding="UTF-8"?>
<PostidentDeliveryBatch xmlns="urn:www-deutschepost-de:Postident/Delivery/1.0">
  <DeliveryHeader>
    <ResponseStatus>
      <BatchStatusCode>declined</BatchStatusCode>
      <BatchStatusText>Schema validation failed, delivery refused</BatchStatusText>
    </ResponseStatus>
  </DeliveryHeader>
</PostidentDeliveryBatch>

```

4 Datamatrix Code

The Datamatrix code is provided as PNG (base64 coded). The PNG consists of the datamatrixcode and a sequence of numbers positioned vertically.

Example:



The datamatrix code with vertical number needs to be printed in the address window of your envelope.

Example:

