



| | |
|----------------|----------------------|
| Author | André Steingruber |
| Date | 17.06.2019 |
| Version | 2.1.5 |
| Classification | Public |
| Pages | 11, incl. cover page |

User Manual - How to Access Frontdoor

(Pre-requisite for use of RegHub UI and File Delivery)



Table of contents

| | |
|--|----------|
| 1. Access to Frontdoor | 3 |
| 1.1. Access to RegHub..... | 3 |
| 2. How to deliver data files to SIX Regulatory Hub..... | 4 |
| 2.1. Initial reset of password of technical user..... | 4 |
| 2.2. FTP/SFTP Delivery | 4 |
| 2.2.1. Directories for Data Delivery | 5 |
| 2.2.2. Overview of all Directories | 5 |
| 2.2.3. Supported SFTP clients..... | 5 |
| 2.2.4. Examples | 6 |
| 2.3. Delivery by E-Mail | 9 |
| 2.3.1. E-Mail-Subject..... | 9 |
| 2.3.2. Example E-Mail | 9 |
| 2.4. Filename convention | 10 |



1. Access to Frontdoor

Please follow the steps to successfully Log-in to Frontdoor.

1. Please use the following links to access the Frontdoor

| | |
|--------------------------------|-----------------------|
| Membertest 1 Environment (MT1) | wwwintegra.tkfweb.com |
| Membertest 2 Environment (MT2) | wwwintegra.tkfweb.com |
| Production Environment | www.tkfweb.com |

2. Switch to HTTP or HTTPS

Attention when using Swagger UI: please check Frontdoor URL in your browser which protocol you are using HTTP or HTTPS ([find here more information](#))

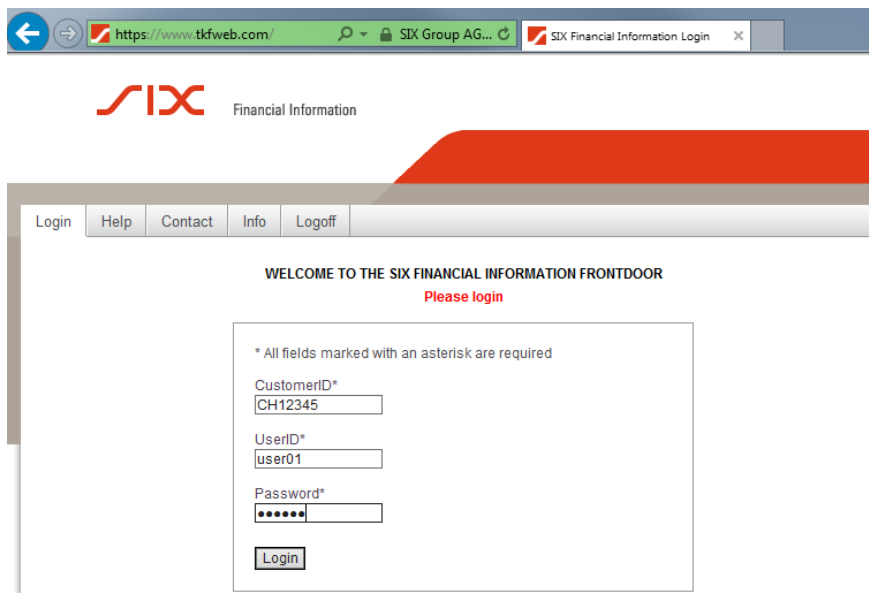
1.1. Access to RegHub

The screenshot shows a web browser window with the URL <http://wwwintegra.tkfweb.com/fda?X=>. The page header includes the SIX logo and 'Financial Information'. A navigation bar contains links: Home, Help, Contact, Info, Set ftp-password, Change password, Switch to HTTPS, and Logoff. A sidebar menu lists various services, with 'Regulatory Hub MT1' highlighted in yellow. An arrow points from this link to a text box on the right that reads: 'For more information on our global data offering, please visit six-financial-information.com'.

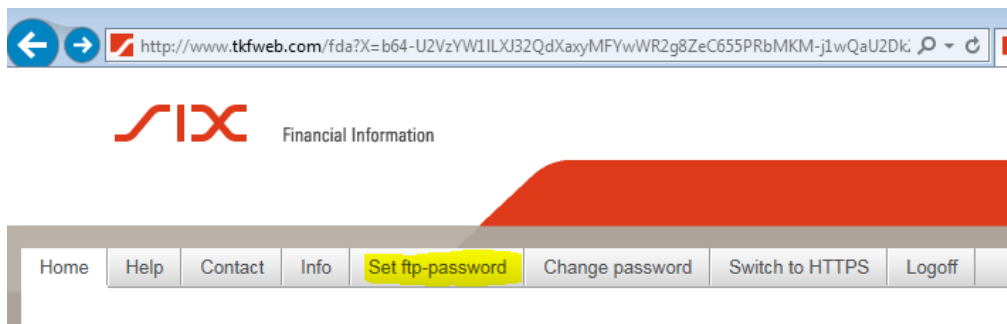
2. How to deliver data files to SIX Regulatory Hub

2.1. Initial reset of password of technical user

Once we provided you with the login credentials for accessing the SIX Financial Information Frontdoor Server, please login to reset your initial password: www.tkfweb.com



After having resetted the password for our Frontdoor Server, there is to reset the password for the FTP/SFTP-Service. Click the tab 'Set ftp-password'. Enter the current HTTP-Password and choose a new password and confirm.



2.2. FTP/SFTP Delivery

After that, you are ready to access your personal directories to deliver data files by using FTP or SFTP. Below you find the parameters for creating an FTP/SFTP-Connection.

For internet connections use the following addresses

Addresses for Member-Tests: ftpreghubint.six-financial-information.com
sftpreghubint.six-financial-information.com Port 2222

Addresses for Production: ftpreghub.six-financial-information.com
sftpreghub.six-financial-information.com Port 2222



For Finance-IP connections (MPLS) use following addresses

Addresses for Member-Tests: [ftpreghubint.fip.six-financial-information.com](ftp://ftpreghubint.fip.six-financial-information.com)
[sftpreghubint.fip.six-financial-information.com](sftp://sftpreghubint.fip.six-financial-information.com) Port 2222

Addresses for Production: [ftpreghub.fip.six-financial-information.com](ftp://ftpreghub.fip.six-financial-information.com)
[sftpreghub.fip.six-financial-information.com](sftp://sftpreghub.fip.six-financial-information.com) Port 2222

For P2P connections use following addresses

Addresses for Member-Tests: [ftpreghubint.p2p.six-financial-information.com](ftp://ftpreghubint.p2p.six-financial-information.com)
[sftpreghubint.p2p.six-financial-information.com](sftp://sftpreghubint.p2p.six-financial-information.com) Port 2222

Addresses for Production: [ftpreghub.p2p.six-financial-information.com](ftp://ftpreghub.p2p.six-financial-information.com)
[sftpreghub.p2p.six-financial-information.com](sftp://sftpreghub.p2p.six-financial-information.com) Port 2222

User: CH12345-user01 (<Customer-ID>hyphen<User-ID>)
 Password: the new ftp-password

2.2.1. Directories for Data Delivery

The following three directories are available for data file delivery:

Environment Production: [/reghub_delivery](#)
 Environment Test: [/reghub_delivery_mt1](#)
 Environment Test2: [/reghub_delivery_mt2](#)

The following three directories are designated for old PRIIP solution only. (deprecated)

Environment Production: [/PRIIP_3rdParty](#)
 Environment Test: [/PRIIP_3rdParty_test](#)
 Environment Test2: [/PRIIP_3rdParty_test2](#)

2.2.2. Overview of all Directories

| Directory name | Purpose / Content | Role |
|----------------------------|---|-----------------------------|
| reghub_delivery | Document Metadata and Content Data of Manufacturers | Manufacturers |
| reghub_universe | Universe file containing list of available instruments | Distributors |
| reghub_inventory | Inventory file containing list of delivered instruments | Manufacturers |
| reghub_salesreport_send | Own salesreports (Outbox) | Distributors |
| reghub_salesreport_receive | Received salesreports (Inbox) | Distributors, Manufacturers |
| reghub_reporting | Reports and Analytics | Distributors, Manufacturers |

2.2.3. Supported SFTP clients

Python Paramiko Version >= 1.6
 Filezilla Version >= 3.13
 WinSCP Version >= 5.7
 OpenSSH Version >= 7.2
 Maverick/J2SSH (JAVA-Library) Version 1.5.5
 JCraft (JAVA-Library) Version 0.1.53 and 0.1.54



2.2.4. Examples

SFTP upload by using openssh SFTP-Client

```
>sftp -P 2222 ch12345-user01@sftpreghub.six-financial-information.com

The authenticity of host '[sftpreghub.six-financial-information.com]:2222
([153.46.98.155]:2222)' can't be established.

RSA key fingerprint is 2f:4d:2b:b8:32:c9:ce:9e:5f:3c:f1:ec:41:db:db:5f
[MD5].
Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added '[sftpreghub.six-financial-
information.com.com]:2222,[153.46.98.155]:2222' (RSA) to the list of known
hosts.

ch12345-user01@sftpreghub.six-financial-information.com's password:

Connected to sftpreghub.six-financial-information.com.

sftp> ls
  reghub_delivery
  reghub_delivery_mt1
  reghub_delivery_mt2

sftp> cd reghub_delivery_mt1
sftp> put <anyfile with correct name>
```

SFTP download sample by using open ssh SFTP-client

```
> sftp -P 2222 ch12345-user01@sftpreghubint.six-financial-information.com
ch12345-user01@sftpreghubint.six-financial-information.com's password:
Connected to sftpreghubint.six-financial-information.com.
sftp> dir
  Universe
sftp> cd Universe
sftp> dir
  20180228_180000_CH12345_EMF_F_1_00000.csv
sftp> get 20180228_180000_CH12345_EMF_F_1_00000.csv
Fetching /Universe/20180228_180000_CH12345_EMF_F_1_00000.csv to
20180228_180000_CH12345_EMF_F_1_00000.csv
sftp> bye
```

Curl FTP login and show directories

```
> curl --user ch12345-user01:<password> ftp://ftpreghub.six-financial-
information.com
total 20
drwxr-xr-x  2 six  six    512 May  2 16:20 .
drwxr-xr-x 24 six  six   2048 May  2 09:55 ..
drwxr-xr-x 24 six  six    512 May  2 09:55 reghub_delivery
>
> curl --user ch12345-user01:<password> ftp://ftpreghubint.six-financial-
information.com
```



Financial Information

```
total 20
drwxr-xr-x  2 six  six    512 May  2 16:20 .
drwxr-xr-x 24 six  six   2048 May  2 09:55 ..
drwxr-xr-x 24 six  six    512 May  2 09:55 reghub_delivery_mt1
drwxr-xr-x 24 six  six    512 May  2 09:55 reghub_delivery_mt2
>
```

Curl FTP upload a file

```
> curl -T <anyfile with correct name> --user ch12345-user01:<password>
ftp://ftpreghubint.six-financial-information.com/reghub_delivery_mt1/
  % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                               Dload  Upload  Total   Spent    Left
Speed
  0      0    0     0     0     0     0     0  --:--:--  0:00:01  --:--:--
0
>
```



Python script with two functions – one for download and one for upload

```
import paramiko
paramiko.util.log_to_file('paramiko.log')

# Open a transport

host = "sftpreghub.six-financial-information.com"
port = 2222
transport = paramiko.Transport((host, port))

# Auth
username = "ch12345-user01"
password = "<password>"
transport.connect(username = username, password = password)

# Go!
sftp = paramiko.SFTPClient.from_transport(transport)

# Download example
try:
    print "download"
    path_on_server = '/reghub_universe/test_file.txt'
    local_path = 'test_file.txt'
    sftp.get(path_on_server, local_path)
except Exception as exc:
    print repr(exc)

# Upload example
try:
    print "upload"
    path_on_server = '/reghub_delivery/test_file.txt'
    local_path = 'c:\\Daten\\RegHub\\test_file.txt'
    sftp.put(local_path, path_on_server)
except Exception as exc:
    print repr(exc)

# Close

sftp.close()
transport.close()
```




2.3. Delivery by E-Mail

Send an Email with a data file as attachment to one of the following addresses. Only files which were delivered by the same E-Mail-Sender-Domain as the one defined for an entitled user will be processed. Each mail only should have one file attached.

Test-Environment 1: **Test.SIX-RegHub-Input@six-financial-information.com**
Test-Environment 2: **Test2.SIX-RegHub-Input@six-financial-information.com**
Prod. Environment: **SIX-RegHub-Input@six-financial-information.com**

2.3.1. E-Mail-Subject

The Subject should be structured as shown in the following example. The values for DataType and Delivery are listed in the filename convention

“TechAgent”-“DataType”-“Delivery”(e.g. CH12345-M-D)

2.3.2. Example E-Mail

```
> cat test.4943.uue
Received: from MPZHWMBX15.base.dom ([fe80::656e:e4bd:cddf:2423]) by
mpslwcasht04.base.dom (:::1) with mapi id 14.03.0361.001; Wed, 7 Mar 2018
10:57:03 +0100
From: "Peter, Muster" <Peter.Muster@six-group.com>
To: Test.SIX-RegHub-Input <Test.SIX-RegHub-Input@six-financial-
information.com>
Subject: CH12345_M_F
Thread-Topic: Emailing: 20170530_090929_CH12345_M_F_2_00001.csv
Thread-Index: Ad01+qQ4Filt0YUhSRV3TY96+dFTA==
Date: Wed, 7 Mar 2018 10:57:03 +0100
Message-ID: <DAB7B69A67FABD40B4293B075DF05EC701F6F3B671@mpzhwmbx15.base.dom>
Accept-Language: de-CH, en-US
Content-Language: en-US
X-MS-Exchange-Organization-AuthAs: Internal
X-MS-Exchange-Organization-AuthMechanism: 04
X-MS-Exchange-Organization-AuthSource: mpslwcasht04.base.dom
X-MS-Has-Attach: yes
X-MS-Exchange-Organization-SCL: -1
X-MS-TNEF-Correlator:
Content-Type: multipart/mixed;

boundary="_002_DAB7B69A67FABD40B4293B075DF05EC701F6F3B671mpzhwmbx15bas_"
MIME-Version: 1.0

--_002_DAB7B69A67FABD40B4293B075DF05EC701F6F3B671mpzhwmbx15bas_
Content-Type: text/plain; charset="us-ascii"

This is a testmail

--_002_DAB7B69A67FABD40B4293B075DF05EC701F6F3B671mpzhwmbx15bas_
Content-Type: application/octet-stream;
    name="20170530_090929_CH12345_M_F_2_00001.csv"
Content-Description: 20170530_090929_CH12345_M_F_2_00001.csv
```




| | | |
|------------------|---------|--|
| | | <ul style="list-style-type: none">• C = SIX Content data (MiFID2, PRIIP and Tax871m)• OF = Openfunds (Content data)• FL = FundXML (Content data)• WM = DDV (Content data)• EMT = European MiFID Template• EPT = European PRIIPS Template• CEPT = Comfort European PRIIPS Template |
| Delivery | F | <p>The delivery field offers the possibility to describe the kind of delivery.</p> <ul style="list-style-type: none">• F = Full delivery• D = Delta delivery since last delivery |
| InterfaceVersion | 2 or 1 | <p>For Data Type “M” “1” for Format according to “SIX DocHub” specification “2” for Format according to “SIX RegHub API for Manufacturers” specification. For datatype “C” always “1”.</p> |
| SequenceNo | 00001 | <p>The sequence number is an ascending number.</p> <ul style="list-style-type: none">• 5-digit number: The number needs to be reset every day and start again with 00000. <p>To ensure the correct processing sequence the sequence number and datetime pattern in the file name are checked. A file is only processed if:</p> <ul style="list-style-type: none">• The sequence number is increased by one.• The datetime is equal or higher. <p>compared with the previously processed file.</p> <p>Alternatively, it is possible to use sequence number “99999” for every file. In this case, the processing sequence is only controlled based on the datetime pattern of the file. In this special case SIX can’t guarantee the correct processing order of files with the same datetime pattern or on race conditions when a file is delivered with delay and overtaken by the next one. There is no possibility to alert in case of missing files.</p> |
| .File | .csv.gz | <p>The file extension according to the used file format:</p> <ul style="list-style-type: none">• .csv (comma-separated values)• .xml (Extensible Markup Language)• .gz (gzip file format → .csv or .xml compressed) <p>Please note: Compressing is recommended, gnu zip is the only supported zip format</p> |
