SEEBURGER
BUSINESS INTEGRATION

SEEBURGER CLOUD

MBR Gateway Service: SFTP Data Sheet

Technical information to configure your SFTP connection to the SEEBURGER Cloud

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To configure your connection to the SEEBURGER Cloud, please use this data sheet we prepared for you. The first information is for your network administrator to open your **firewall** for successful communication.

The second part contains the configuration data required to **send** data to the SEEBURGER Cloud, the third part includes the configuration data required to **receive** data.

Note: The SEEBURGER Cloud provides an SFTP Server to send and receive data. SFTP uses the Secure Shell (SSH) to authenticate remote computers and allow remote computers to authenticate users. If your file transfer client does not support SSH, please contact our SEEBURGER Cloud Service Team.

1. SFTP – FIREWALL Configuration

For sending and receiving data, the following connection has to be allowed on your system / firewall:

FROM:	IP address of your SFTP Client			
TO:	IP ranges:	**85.115.5.64**	–	**85.115.5.95** and
		85.115.19.120	–	**85.115.19.127**
	Port:	**1322**		

Note: Our firewall is already open for you.

2. SFTP – SENDING Data to the SEEBURGER Cloud

SEEBURGER Hostname:	This hostname is used by your local system to send files to the SEEBURGER Cloud. sftp.seeburger.cloud
SEEBURGER'S SSH Public Key:	sftp.seeburger.cloud.cer[1]
Your SSH Public Key[2]:	This authentication parameter is required for the connection to the SEEBURGER SFTP server. DSA / RSA type keys allowed, minimum key length 2048 bit.
SFTP User:	The username is generated by the SEEBURGER Cloud, it usually has 6 alphabetic and 9 numeric characters, e.g. SEEGWE30000001
Password:	This password is used by your local system for authentication in file transfer with the SEEBURGER Cloud (in addition to the SSH Public Key). The password is required and cannot be empty.
Your outbox directory:	Put the data you want to send to the SEEBURGER Cloud in this path:

	\<short name of the service>\outbox\SFTP User, e.g.: Meta Based Routing: \mbr**outbox\SEEGWE30000001** (This directory name equals the Identification of the receiver to which the messages will be sent.)

3. SFTP – RECEIVING Data from the SEEBURGER Cloud

Note: You may read any given file in the Inbox several times. In order to commit that you read the data, delete it. Otherwise it will remain sitting in the Inbox.

SEEBURGER Hostname:	This hostname is used by your local system to send files to the SEEBURGER Cloud. sftp.seeburger.cloud
SEEBURGER'S SSH Public Key:	sftp.seeburger.cloud.cer[1]
Your SSH Public Key[2]:	This authentication parameter is required for the connection to the SEEBURGER SFTP server. DSA / RSA type keys allowed, minimum key length 2048 bit.
SFTP User:	The username is generated by the SEEBURGER Cloud, it usually has 6 alphabetic and 9 numeric characters, e.g. SEEGWE30000001
Password:	This password is used by your local system for authentication in file transfer with the SEEBURGER Cloud (in addition to the SSH Public Key). The password is required and cannot be empty.
Your inbox directory:	Find the data you receive from the SEEBURGER Cloud in this path: **\<short name of the service>\inbox\SFTP User**, e.g.: Meta Based Routing: \mbr**inbox\SEEGWE30000001** (This directory name equals the Identification of the sender who sent the data to you.)

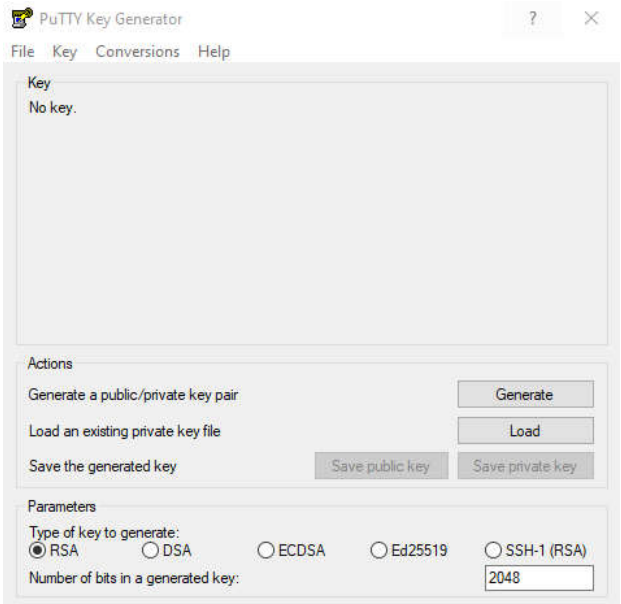
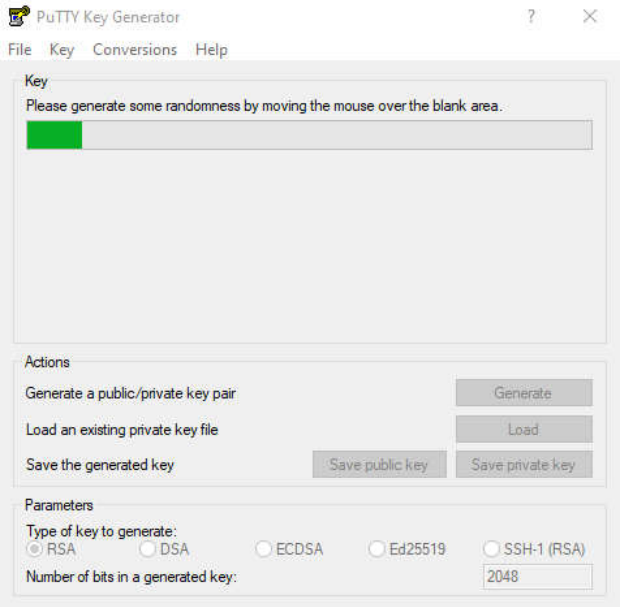
[1] You can download our data sheets and certificates on the following URL: **www.seeburger.com/cloud/connect-the-cloud/**

[2] If you have problems in creating the Public SSH Key, you can find help in the annex.

ANNEX – SSH PUBLIC KEY CREATION using PuTTYgen

One of the tools you can use to generate an SSH keypair for authentication of your user is PuTTYgen. Others exist, please see their documentation for details. The text below uses PuTTYgen as an example to outline the process of creating

- a private key (for use with your SFTP Client) and
- a public key (to be uploaded on the SEEBURGER Cloud Communication service where the SFTP Server will use it).

First you have to install the free tool PuTTY. Then you can start with the SSH Public Key creation. This free software is easily accessible on the internet.	Link: https://www.puttygen.com/
Now set the required parameters in the PuTTYgen interface. To create a key, the following parameters are required: **RSA or DSA and a bit length of at least 2048**, then click on **Generate**.	
PuTTY now creates the key. For the random generator, **move the mouse over the area below the bar until the creation is complete**.	

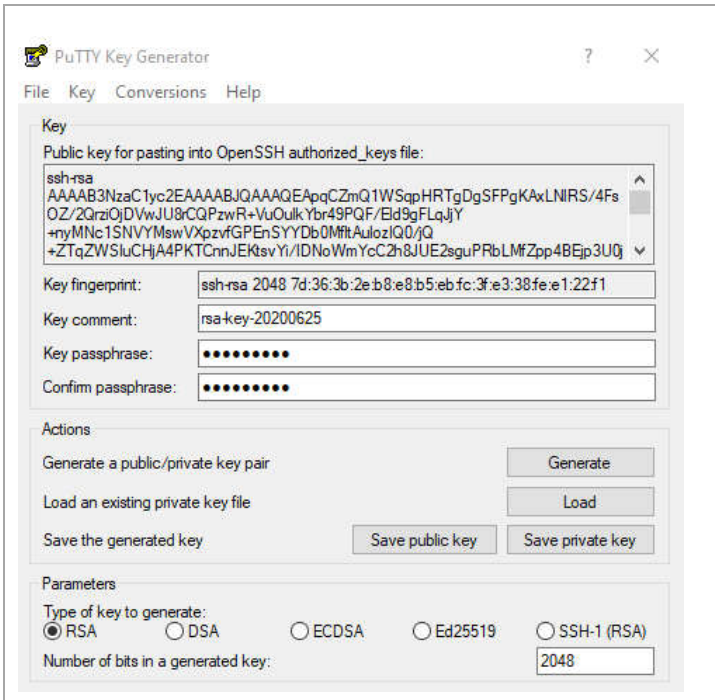
Please use **Key comment** field with a meaningful description and **Key passphrase** to save your Private Key with password.

Click on **Save Public Key** to save the public key.

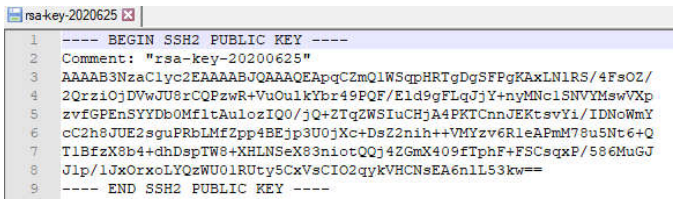
Click on **Save Private Key** to save the private key as well.

Put the pair in a folder and make sure to give them meaningful file names.

You now have generated the key pair and can then use it for Seeburger SFTP Cloudlink.



Finally, you can open the saved public key with any Windows editor and copy and paste the whole content into the text „SSH Public Key“ field in the Seeburger SFTP Cloudlink configuration.



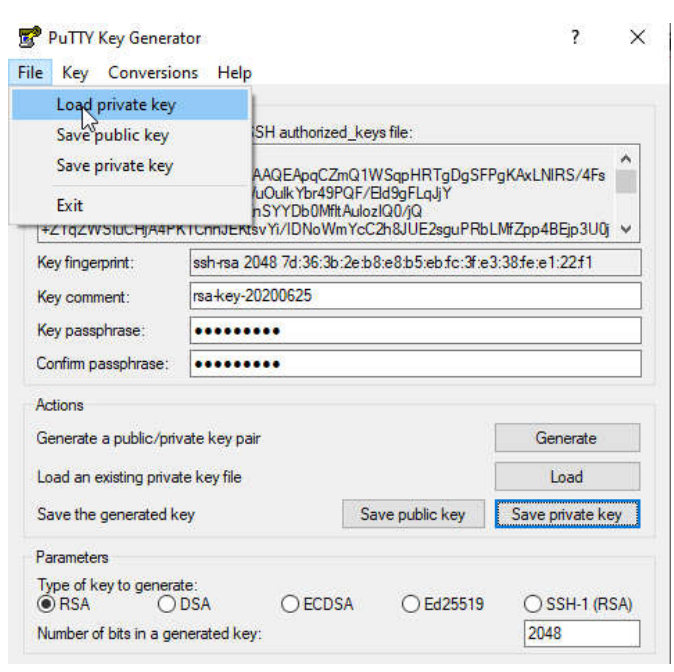
Note:

Not all Business Interface Systems natively support the Private Key format .ppk generated by PuTTYgen. You can convert your private key into format (.pem) file before you import it in your Business Interface Systems. You can use the PuTTYgen tool for this conversion too.

Start PuTTYgen again.

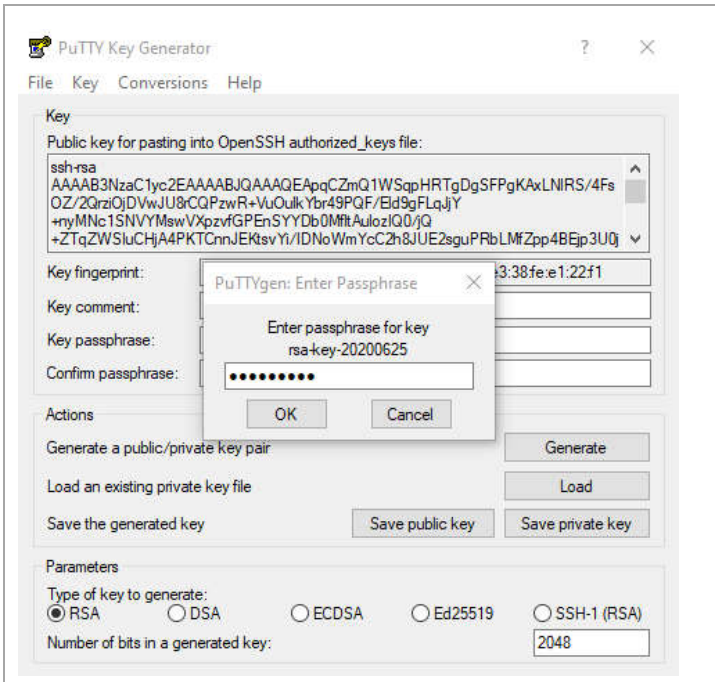
Click **File** and **Load private key.**

Navigate to your .ppk file, select and open it.



A dialog will be opened now. The expected **passphrase for key** is the one you entered during the creation of your private key.

Enter your passphrase and click **OK**.



Your private key is opened now.

Go to **Conversion** and choose **Export OpenSSH Key**.

Enter the name of file, e.g. „rsa-key-2020625**.pem**“. Ensure that .pem is the ending of your filename.

Click **Save**. Now you can use this *.pem- file for the import in your Business Integration System.