



## MaKo API Cloud Service: REST data sheet

Configuration data of the SEEBURGER Cloud for BDEW/EDI@Energy API Services for Backends

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This data sheet is intended to support you in connecting to the SEEBURGER Cloud. The first section contains information for your network administration. This department must configure your firewall so that the HTTPS connection can be established.

The second section contains the configuration data required to send data to the SEEBURGER Cloud. The third section contains the configuration data required to receive data from the SEEBURGER Cloud.

Please note: The BDEW/EDI@Energy API services of the SEEBURGER Cloud are implemented via HTTP/S. The services are accessed via URL/URI. The HTTP method **POST** is used. Our API services only support HTTP over TLS with Basic Auth (user/password) starting from TLS V1.2; optional authentication with mTLS and Basic Auth is also supported.

## 1. REST - Configuration of the FIREWAL

To **send** data to the SEEBURGER Cloud, please open your firewall for the following outgoing HTTPS connections:

**FROM:** IP-Adresse Ihres HTTPS-Systems

**TO:** IP-Range: **85.115.5.64** – **85.115.5.95** und  
**85.115.19.120** **85.115.19.127**

Port: **443**

To receive data from the SEEBURGER Cloud, please open your firewall for the following incoming HTTPS connections:

**FROM:** IP-Range: **85.115.5.64** – **85.115.5.95** und  
**85.115.19.120** **85.115.19.127**

**TO:** IP-Adresse und Port Ihres HTTPS-Systems

Note: Our firewall is already open to receive your data.

## 2. REST - SEND data to the SEEBURGER Cloud

Our URLs:

TLS:

<https://api.makgw.seeburger.cloud/apigw>

mTLS:

<https://api-ism.makgw.seeburger.cloud/apigw>

TLS/SSL-certificate:

api.makgw.seeburger.cloud.cer<sup>1</sup>  
 api.makgw.seeburger.cloud\_fullchain.cer<sup>1</sup>  
 api-ism.makgw.seeburger.cloud.cer<sup>1</sup>  
 api-ism.makgw.seeburger.cloud\_fullchain.cer<sup>1</sup>

Certification authority (CA):	GlobalSign Root CA
Authentication type: <b>TLS with Basic Auth:</b>	<p>Use client certificate (Basic Authentication)</p> <p>User name:: <u>Note:</u> The user is currently provided by your SEEBURGER consultant.</p> <p>Password: <u>Note:</u> The password is currently provided by your SEEBURGER consultant.</p> <p>Use client certificate Please leave us your certificate.</p> <p><b>Basic Authentication is always required.</b></p>
mTLS with Basic Auth:	
HTTP-Method:	POST
HTTP-Header-Parameter:	<p>The following HTTP header parameters must be supported:</p> <p>When <b>sending messages</b> to the SEEBURGER Cloud:</p> <p>Required: <b>Username</b> (user name) und <b>Password</b> in the header area of Basic Authentication</p>

### 3. REST - RECEIVE data from the SEEBURGER Cloud

Your URL:	<u>Note:</u> Your URL must begin with HTTPS, the use of TLS/SSL is mandatory. Please enter the full URL (including the SAP client if applicable).
Compression:	none
Your TLS/SSL certificate:	<u>Note:</u> An approved certification authority (CA) should issue your SSL certificate. When requesting a certificate, please use the domain name of your URL as a normal name (CN). Please do not use static IP addresses as host names.
Authentication type: <b>TLS with Basic Auth:</b>	<p>Use username and password (Basic Authentication)</p> <p><u>Note:</u> : Please ensure that you use secure user names and passwords.</p> <p>User name: User of your HTTPS system</p> <p>Password: Password of your HTTPS system</p>
mTLS optional with Basic Auth:	Use client certificate.

	<u>Note:</u> Please upload the certificate designated for authentication to the certificate store for accepted client certificates in your software.	
Our certificate for authentication:	api-ism.makgw.seeburger.cloud.client.auth.cer <sup>1</sup>	
Certification authority (CA):	GlobalSign Root CA	
http method:	POST	
HTTP header parameters	<p>The following HTTP header parameters must be supported when receiving messages from the SEEBURGER Cloud:</p> <p>Required:</p> <p><b>Username</b> (user name) und <b>Password</b> in the header area of Basic Authentication (not for two-way SSL)</p>	

Please contact us regarding alternative authentication methods (OAuth)!

<sup>1</sup>You can download the data sheets and certificates here: <https://www.seeburger.com/de/cloud/connect-the-cloud/>