

Emlog Datenschnittstelle für externe Anwendungen

Version: 1.1

Emlog bietet Ihnen über das Webinterface die Möglichkeit, Ihre Zählerdaten in externe Anwendungen zu importieren. Per http Request können Sie somit alle Daten des Webinterfaces in Echtzeit abfragen und weiterverarbeiten. Die Daten werden im JSON Format zur Verfügung gestellt.

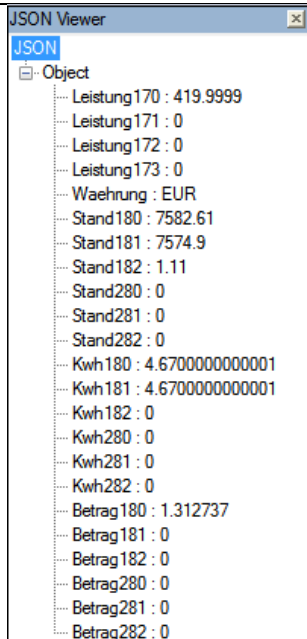
Weitere Informationen zum JSON Format finden Sie unter:

https://de.wikipedia.org/wiki/JavaScript_Object_Notation

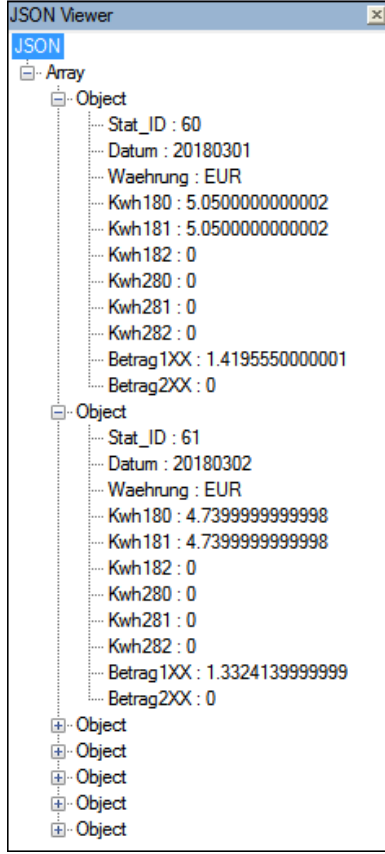
Folgende Daten können Sie per http Request abrufen.

Die Dokumentation bezieht sich auf das Webinterface V1.10

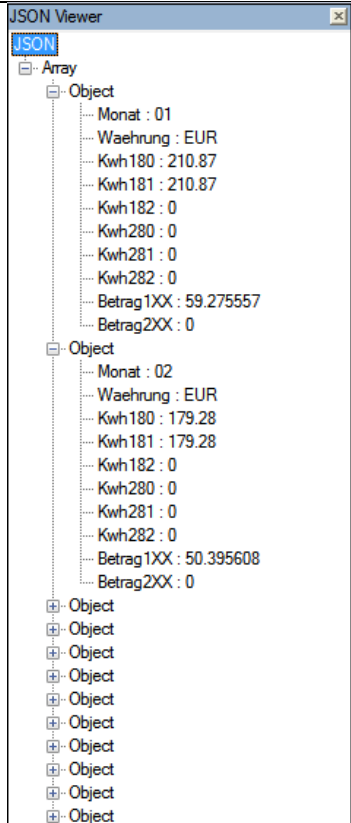
1. Heute

Beschreibung	Aktueller Stand zum Zeitpunkt der Abfrage
Url	http://emlog/pages/getinformation.php?heute
Parameter 1	datum (aktuelles Datum im Format YYYYMMDD)
Parameter 2	meterindex (Stromzähler 1, 2 oder 3)
Beispiel Aufruf	http://emlog/pages/getinformation.php?heute&datum=20180307&meterindex=1
Beispiel Antwort	<pre>{ "Leistung170": "419.9999", "Leistung171": "0", "Leistung172": "0", "Leistung173": "0", "Waehrung": "EUR", "Stand180": "7582.61", "Stand181": "7574.9", "Stand182": "1.11", "Stand280": "0", "Stand281": "0", "Stand282": "0", "Kwh180": "4.67000000000001", "Kwh181": "4.67000000000001", "Kwh182": "0", "Kwh280": "0", "Kwh281": "0", "Kwh282": "0", "Betrag180": "1.312737", "Betrag181": "0", "Betrag182": "0", "Betrag280": "0", "Betrag281": "0", "Betrag282": "0" }</pre>
	

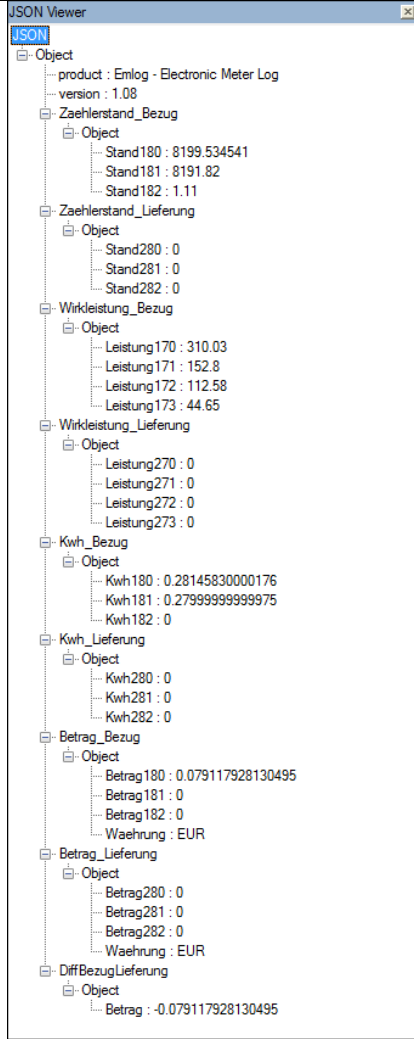
2. Monatsauswertung

Beschreibung	Alle zusammengefassten Tageswerte eines Monats
Url	http://emlog/pages/getinformation.php?auswertung_tag
Parameter 1	jahr (Jahr im Format YYYY)
Parameter 2	monat (Monat im Format MM)
Parameter 3	meterindex (Stromzähler 1, 2 oder 3)
Beispiel Aufruf	http://emlog/pages/getinformation.php?auswertung_tag&jahr=2018&monat=3&meterindex=1
Beispiel Antwort	<pre>[{"Stat_ID":"60","Datum":"20180301","Waehrung":"EUR","Kwh180":5.05000000000002,"Kwh181":5.05000000000002,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":1.41955500000001,"Betrag2XX":0},{"Stat_ID":"61","Datum":"20180302","Waehrung":"EUR","Kwh180":4.73999999999998,"Kwh181":4.73999999999998,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":1.33241399999999,"Betrag2XX":0},{"Stat_ID":"62","Datum":"20180303","Waehrung":"EUR","Kwh180":6.97000000000003,"Kwh181":6.97000000000003,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":1.95926700000001,"Betrag2XX":0},{"Stat_ID":"63","Datum":"20180304","Waehrung":"EUR","Kwh180":7.29999999999993,"Kwh181":7.29999999999993,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":2.05202999999998,"Betrag2XX":0},{"Stat_ID":"64","Datum":"20180305","Waehrung":"EUR","Kwh180":4.86000000000006,"Kwh181":4.86000000000006,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":1.36614600000002,"Betrag2XX":0},{"Stat_ID":"65","Datum":"20180306","Waehrung":"EUR","Kwh180":5.25999999999999,"Kwh181":5.25999999999999,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":1.47858599999998,"Betrag2XX":0},{"Stat_ID":"66","Datum":"20180307","Waehrung":"EUR","Kwh180":4.76000000000002,"Kwh181":4.76000000000002,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":1.33803600000001,"Betrag2XX":0}]</pre>
	

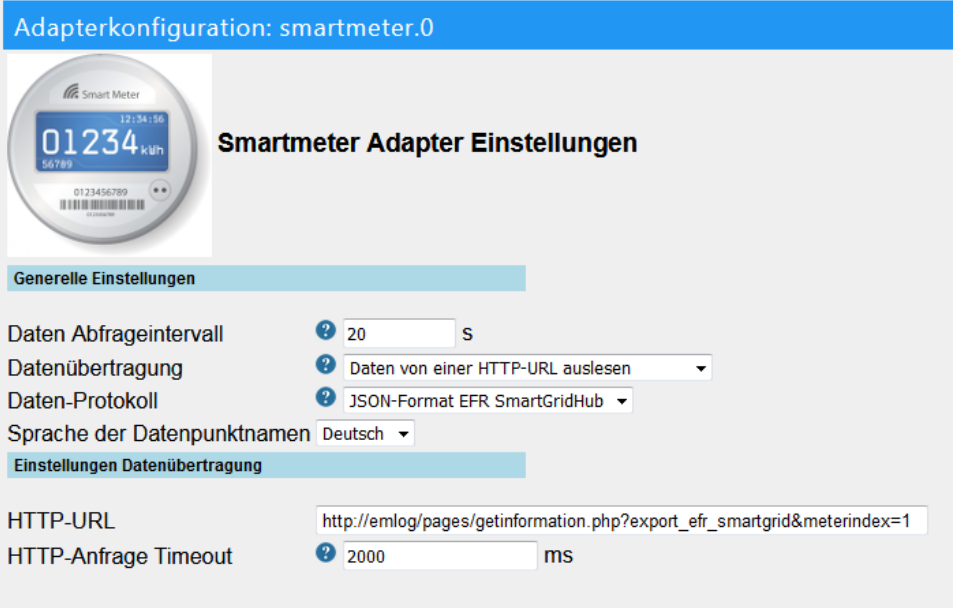
3. Jahresauswertung

Beschreibung	Alle zusammengefassten Monatswerte eines Jahres
Url	http://emlog/pages/getinformation.php?auswertung_jahr
Parameter 1	jahr (Jahr im Format YYYY)
Parameter 2	meterindex (Stromzähler 1, 2 oder 3)
Beispiel Aufruf	http://emlog/pages/getinformation.php?auswertung_jahr&jahr=2018&meterindex=1
Beispiel Antwort	<pre>[{"Monat":"01","Waehrung":"EUR","Kwh180":210.87,"Kwh181":210.87,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":59.275557,"Betrag2XX":0},{"Monat":"02","Waehrung":"EUR","Kwh180":179.28,"Kwh181":179.28,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":50.395608,"Betrag2XX":0},{"Monat":"03","Waehrung":"EUR","Kwh180":38.96,"Kwh181":38.96,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":10.951656,"Betrag2XX":0},{"Monat":"04","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"05","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"06","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"07","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"08","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"09","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"10","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"11","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0},{"Monat":"12","Waehrung":"EUR","Kwh180":0,"Kwh181":0,"Kwh182":0,"Kwh280":0,"Kwh281":0,"Kwh282":0,"Betrag1XX":0,"Betrag2XX":0}]</pre>
	

4. Export für IP-Symcon

Beschreibung	Ein extra aufbereiteter Datenexport (Momentaufnahme) für IP-Symcon
Url	http://emlog/pages/getinformation.php?export
Parameter 1	meterindex (Stromzähler 1, 2 oder 3)
Beispiel Aufruf	http://emlog/pages/getinformation.php?export&meterindex=1
Beispiel Antwort	<pre>{ "product": "Emlog - Electronic Meter Log", "version": 1.08, "Zaehlerstand_Bezug": { "Stand180": 8206.0674551, "Stand181": 8198.35, "Stand182": 1.11 }, "Zaehlerstand_Lieferung": { "Stand280": 0, "Stand281": 0, "Stand282": 0 }, "Wirkleistung_Bezug": { "Leistung170": 1204.52, "Leistung171": 168.01, "Leistung172": 99.156, "Leistung173": 44.95 }, "Wirkleistung_Lieferung": { "Leistung270": 0, "Leistung271": 0, "Leistung272": 0, "Leistung273": 0 }, "Kwh_Bezug": { "Kwh180": 0.49692799999866, "Kwh181": 0.4899999999978, "Kwh182": 0 }, "Kwh_Lieferung": { "Kwh280": 0, "Kwh281": 0, "Kwh282": 0 }, "Betrag_Bezug": { "Betrag180": 0.13968646079962, "Betrag181": 0, "Betrag182": 0, "Waehrung": "EUR" }, "Betrag_Lieferung": { "Betrag280": 0, "Betrag281": 0, "Betrag282": 0, "Waehrung": "EUR" }, "DiffBezugLieferung": { "Betrag": -0.13968646079962 } }</pre>
	 <p>The screenshot shows a JSON Viewer window with the following structure:</p> <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> product : Emlog - Electronic Meter Log version : 1.08 Zaehlerstand_Bezug <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Stand180 : 8199.534541 Stand181 : 8191.82 Stand182 : 1.11 Zaehlerstand_Lieferung <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Stand280 : 0 Stand281 : 0 Stand282 : 0 Wirkleistung_Bezug <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Leistung170 : 310.03 Leistung171 : 152.8 Leistung172 : 112.58 Leistung173 : 44.65 Wirkleistung_Lieferung <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Leistung270 : 0 Leistung271 : 0 Leistung272 : 0 Leistung273 : 0 Kwh_Bezug <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Kwh180 : 0.28145830000176 Kwh181 : 0.27999999999975 Kwh182 : 0 Kwh_Lieferung <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Kwh280 : 0 Kwh281 : 0 Kwh282 : 0 Betrag_Bezug <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Betrag180 : 0.079117928130495 Betrag181 : 0 Betrag182 : 0 Waehrung : EUR Betrag_Lieferung <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Betrag280 : 0 Betrag281 : 0 Betrag282 : 0 Waehrung : EUR DiffBezugLieferung <ul style="list-style-type: none"> Object <ul style="list-style-type: none"> Betrag : -0.079117928130495

5. Export für iobroker (Smartmeter Adapter)

Beschreibung	Ein extra aufbereiteter Datenexport (Momentaufnahme) für iobroker
Url	http://emlog/pages/getinformation.php?export_efr_smartgrid
Parameter 1	meterindex (Stromzähler 1, 2 oder 3)
Beispiel Aufruf	http://emlog/pages/getinformation.php?export_efr_smartgrid&meterindex=1
Beispiel Antwort	<pre>{ "billingData": { "assignment": [{ "obis": "8181C78227FF", "value": "0" }, { "obis": "8181C78205FF", "value": "Weidmann" }, { "obis": "8181C78206FF", "value": "Elektronik" }, { "obis": "8181C78207FF", "value": "-" }, { "obis": "0100000000FF", "value": "-" }, { "obis": "010000090B00", "value": "27.09.2020,20:43:04" }, { "values": [{ "obis": "0101010800FF", "value": "14210.15053", "unit": "kWh" }, { "obis": "0101010801FF", "value": "14202.44", "unit": "kWh" }, { "obis": "0101010802FF", "value": "1.11", "unit": "kWh" }, { "obis": "0101010803FF", "value": "0", "unit": "kWh" }, { "obis": "0102020800FF", "value": "0", "unit": "kWh" }, { "obis": "0102020807FF", "value": "0", "unit": "kWh" }, { "obis": "0100010700FF", "value": "484.41", "unit": "W" }, { "obis": "0100150700FF", "value": "389.83", "unit": "W" }, { "obis": "0100290700FF", "value": "80.74", "unit": "W" }, { "obis": "01003D0700FF", "value": "13.84", "unit": "W" }, { "obis": "010020070000", "value": "0", "unit": "V" }, { "obis": "010034070000", "value": "0", "unit": "V" }, { "obis": "010048070000", "value": "0", "unit": "V" }, { "obis": "01000E070000", "value": "0", "unit": "Hz" }, { "obis": "010001080080", "value": "12.257877200002", "unit": "kWh" }, { "obis": "010001080081", "value": "0", "unit": "kWh" }, { "obis": "010001080082", "value": "0", "unit": "kWh" }, { "obis": "010001080083", "value": "0", "unit": "kWh" }, { "obis": "010001080084", "value": "0", "unit": "kWh" }, { "obis": "010002080080", "value": "0", "unit": "kWh" }, { "obis": "010002080081", "value": "0", "unit": "kWh" }, { "obis": "010002080082", "value": "0", "unit": "kWh" }, { "obis": "010002080083", "value": "0", "unit": "kWh" }, { "obis": "010002080084", "value": "0", "unit": "kWh" }] }] } }</pre>
Beispiel Konfiguration iobroker	

6. Emlog Versionsnummer

Beschreibung	Aktuelle Versionsnummer der Emlog Firmware
Url	http://emlog/pages/getinformation.php?version
Beispiel Aufruf	http://emlog/pages/getinformation.php?version
Beispiel Antwort	313