

# Webhooks

Webhooks are HTTP triggers sent by an event. This event can be used to send data that makes it possible to control external APIs. The structure of the data can be specified as required. The changeable user data is added using variables. These are replaced at the time of triggering.

- [SmartXcan](#)
  - [Example](#)
  - [Possible variables](#)
- [AccessManager](#)
  - [Example](#)
  - [Possible variables](#)
- [PowerManager](#)
  - [Example](#)
  - [Possible variables](#)
- [AlarmManager](#)
  - [Example](#)
  - [Possible variables](#)

## SmartXcan

### Example

```
{
  "time": "$TIME$",
  "date": "$DATE$",

  "street": "$LOCATION_STREET$",
  "city": "$LOCATION_CITY$",
  "postal-code": "$LOCATION_POSTAL_CODE$",
  "country": "$LOCATION_COUNTRY$",

  "body-temperature-value": "$BODY_TEMPERATURE_VALUE$",
  "body-temperature-level": "$BODY_TEMPERATURE_LEVEL$",
  "body-temperature-alarm": "$BODY_TEMPERATURE_ALARM$",
  "outdoor-temperature": "$OUTDOOR_TEMPERATURE_VALUE$",
  "indoor-temperature": "$INDOOR_TEMPERATURE_VALUE$",
  "humidity": "$HUMIDITY_VALUE$",
  "sequence-number": "$SEQUENCE_NUMBER$",
  "event-id": "$EVENT_ID$",
  "RFID": "$RFIDUID$",

  "IP-address": "$IP$",
  "MAC-address": "$MAC$",
  "Serialnumber": "$SERIAL$"
}
```

### Possible variables

- \$TIME\$ = Time of the measurement
- \$DATE\$ = Date of the measurement
- \$LOCATION\_STREET\$ = Street
- \$LOCATION\_CITY\$ = City
- \$LOCATION\_POSTAL\_CODE\$ = Postal Code
- \$LOCATION\_COUNTRY\$ = Country
- \$BODY\_TEMPERATURE\_VALUE\$ = Measurement result
- \$BODY\_TEMPERATURE\_LEVEL\$ = Measurement level (0 = normal body temperature, 1 = slightly elevated body temperature, 2 = slight fever, 3 = high fever)
- \$BODY\_TEMPERATURE\_ALARM\$ = Body temperature - alarm state
- \$OUTDOOR\_TEMPERATURE\_VALUE\$ = Outdoor temperature
- \$INDOOR\_TEMPERATURE\_VALUE\$ = Indoor temperature
- \$HUMIDITY\_VALUE\$ = Humidity
- \$SEQUENCE\_NUMBER\$ = sequence of the measurement
- \$EVENT\_ID\$ = ID of the event
- \$IP\$ = device-IP
- \$MAC\$ = MAC-adress
- \$SERIAL\$ = serialnumber

## AccessManager

## Example

```
{
  "time": "$TIME$",
  "user": "$USERNAME$",
  "rfid": "$RFID$",
  "pin": "$PIN$",
  "state": "$STATE$",
  "door": "$DOORNAME$"
}
```

## Possible variables

\$USERID\$ = ID of the user

\$USERNAME\$ = login name of the user

\$USERFULLNAME\$ = full name of the user

\$USERMAIL\$ = e-mail address of the user

\$RFIDUID\$ = RFID Uid of the card with which it was booked

\$RFIDDATA\$ = RFID data of the card with which was booked

\$PIN\$ = PIN entered

\$TIME\$ = time of the event as text string

\$UNIXTIME\$ = time of the event as UNIXTIME

\$STATE\$ = Status of booking (0: Access OK, 1: RFID unknown, 2: PIN unknown, 3: Double authentication failed, 4: Outside time profile, 5: No door authorization, 6: Authentication error)

\$DOORID\$ = Clamping unit ID

\$DOORNAME\$ = name of the door unit

\$DOORSERIAL\$ = Clamping unit serial number

## PowerManager

### Example

```
{
  "time": "$TIME$",
  "name": "$NAME$",
  "address": "$ADDRESS$",
  "rcm":
  {
    "ac":
    {
      "value": "$RCM_AC$",
      "alarm": "$RCM_AC_ALARM$"
    },
    "dc":
    {
      "value": "$RCM_DC$",
      "alarm": "$RCM_DC_ALARM$"
    }
  },
  "power_failure": "$POWER_FAILURE_ALARM$",
  "phases":
  [
    {
      "name": "$PHASE_NAME[1]$",
      "number": "$PHASE_NUMBER[1]$",
      "voltage":
      {
        "value": "$PHASE_VOLTAGE[1]$",
        "alarm": "$PHASE_VOLTAGE_ALARM[1]$"
      },
      "current":
      {
        "value": "$PHASE_CURRENT[1]$",
        "alarm": "$PHASE_CURRENT_ALARM[1]$"
      },
      "power":
      {
        "active":
```

```

    {
      "value": "$PHASE_POWER_ACTIVE[1]$",
      "alarm": "$PHASE_POWER_ACTIVE_ALARM[1]$"
    },
    "reactive":
    {
      "value": "$PHASE_POWER_REACTIVE[1]$",
      "alarm": "$PHASE_POWER_REACTIVE_ALARM[1]$"
    },
    "apparent":
    {
      "value": "$PHASE_POWER_APPARENT[1]$",
      "alarm": "$PHASE_POWER_APPARENT_ALARM[1]$"
    },
    "factor":
    {
      "value": "$PHASE_POWER_FACTOR[1]$"
    }
  },
  "frequency":
  {
    "value": "$PHASE_FREQUENCY[1]$",
    "alarm": "$PHASE_FREQUENCY_ALARM[1]$"
  },
  "consumption":
  {
    "value": "$PHASE_CONSUMPTION[1]$"
  },
  "fuse":
  {
    "alarm": "$PHASE_FUSE_ALARM[1]$"
  }
},
{
  "name": "$PHASE_NAME[2]$",
  "number": "$PHASE_NUMBER[2]$",
  "voltage":
  {
    "value": "$PHASE_VOLTAGE[2]$",
    "alarm": "$PHASE_VOLTAGE_ALARM[2]$"
  },
  "current":
  {
    "value": "$PHASE_CURRENT[2]$",
    "alarm": "$PHASE_CURRENT_ALARM[2]$"
  },
  "power":
  {
    "active":
    {
      "value": "$PHASE_POWER_ACTIVE[2]$",
      "alarm": "$PHASE_POWER_ACTIVE_ALARM[2]$"
    },
    "reactive":
    {
      "value": "$PHASE_POWER_REACTIVE[2]$",
      "alarm": "$PHASE_POWER_REACTIVE_ALARM[2]$"
    },
    "apparent":
    {
      "value": "$PHASE_POWER_APPARENT[2]$",
      "alarm": "$PHASE_POWER_APPARENT_ALARM[2]$"
    },
    "factor":
    {
      "value": "$PHASE_POWER_FACTOR[2]$"
    }
  },
  "frequency":
  {
    "value": "$PHASE_FREQUENCY[2]$",

```

```

        "alarm": "$PHASE_FREQUENCY_ALARM[2]$"
    },
    "consumption":
    {
        "value": "$PHASE_CONSUMPTION[2]$"
    },
    "fuse":
    {
        "alarm": "$PHASE_FUSE_ALARM[2]$"
    }
},
{
    "name": "$PHASE_NAME[3]$",
    "number": "$PHASE_NUMBER[3]$",
    "voltage":
    {
        "value": "$PHASE_VOLTAGE[3]$",
        "alarm": "$PHASE_VOLTAGE_ALARM[3]$"
    },
    "current":
    {
        "value": "$PHASE_CURRENT[3]$",
        "alarm": "$PHASE_CURRENT_ALARM[3]$"
    },
    "power":
    {
        "active":
        {
            "value": "$PHASE_POWER_ACTIVE[3]$",
            "alarm": "$PHASE_POWER_ACTIVE_ALARM[3]$"
        },
        "reactive":
        {
            "value": "$PHASE_POWER_REACTIVE[3]$",
            "alarm": "$PHASE_POWER_REACTIVE_ALARM[3]$"
        },
        "apparent":
        {
            "value": "$PHASE_POWER_APPARENT[3]$",
            "alarm": "$PHASE_POWER_APPARENT_ALARM[3]$"
        },
        "factor":
        {
            "value": "$PHASE_POWER_FACTOR[3]$"
        }
    },
    "frequency":
    {
        "value": "$PHASE_FREQUENCY[3]$",
        "alarm": "$PHASE_FREQUENCY_ALARM[3]$"
    },
    "consumption":
    {
        "value": "$PHASE_CONSUMPTION[3]$"
    },
    "fuse":
    {
        "alarm": "$PHASE_FUSE_ALARM[3]$"
    }
}
]
}

```

## Possible variables

\$TIMES\$ = time of the event as text string  
 \$UNIXTIME\$ = time of the event as UNIXTIME  
 \$NAME\$ = name of the smartmeter  
 \$ADDRESS\$ = address of the smartmeter  
 \$RCM\_AC\$ = AC measured value of the differential current meter  
 \$RCM\_AC\_ALARM\$ = AC Alarm status of the residual current meter  
 \$RCM\_DC\$ = DC measured value of the differential current meter  
 \$RCM\_DC\_ALARM\$ = DC Alarm status of the residual current meter  
 \$POWER\_FAILURE\_ALARM\$ = Power failure Smartmeter alarm

Phase variables (these are indexed with [])

\$PHASE\_NAME[1]\$ = Name of the phase  
 \$PHASE\_NUMBER[1]\$ = Phase number  
 \$PHASE\_VOLTAGE[1]\$ = Measured value of voltage  
 \$PHASE\_VOLTAGE\_ALARM[1]\$ = Alarm status of the voltage  
 \$PHASE\_CURRENT[1]\$ = Measured value of the current strength  
 \$PHASE\_CURRENT\_ALARM[1]\$ = current alarm status  
 \$PHASE\_POWER\_ACTIVE[1]\$ = Active power measured value  
 \$PHASE\_POWER\_ACTIVE\_ALARM[1]\$ = Active power alarm status  
 \$PHASE\_POWER\_REACTIVE[1]\$ = Measured value of reactive power  
 \$PHASE\_POWER\_REACTIVE\_ALARM[1]\$ = Reactive power alarm status  
 \$PHASE\_POWER\_APPARENT[1]\$ = Measured value of apparent power  
 \$PHASE\_POWER\_APPARENT\_ALARM[1]\$ = Apparent Power Alarm Status  
 \$PHASE\_POWER\_FACTOR[1]\$ = Power factor  
 \$PHASE\_FREQUENCY[1]\$ = Measured value of frequency  
 \$PHASE\_FREQUENCY\_ALARM[1]\$ = Alarm status of the frequency  
 \$PHASE\_CONSUMPTION[1]\$ = Current power consumption value  
 \$PHASE\_FUSE\_ALARM[1]\$ = Alarm status of a fuse

## AlarmManager

### Example

```

{
  "time": "$TIMES$",
  "building": "$BUILDING_NAME$",
  "alarmzone": "$ALARMZONE_NAME$",
  "alarmzone-state": "$ALARMZONE_STATES$",
  "device": "$DEVICE_NAME$",
  "address": "$DEVICE_ADDRESS$",
  "temperature": "$TEMPERATURE_VALUE$",
  "temperature-alarm": "$TEMPERATURE_ALARM$",
  "humidity": "$HUMIDITY_VALUE$",
  "humidity-alarm": "$HUMIDITY_ALARM$",
  "dewpoint": "$DEWPOINT_VALUE$",
  "dewpoint-alarm": "$DEWPOINT_ALARM$",
  "fire": "$CO_VALUE$",
  "fire-alarm": "$CO_ALARM$",
  "intrusion": "$MOTION_VALUE$",
  "intrusion-alarm": "$MOTION_ALARM$",
  "vibration": "$VIBRATION_VALUE$",
  "vibration-alarm": "$VIBRATION_ALARM$",
  "input1": "$INPUT_VALUE[1]$",
  "input1-alarm": "$INPUT_ALARM[1]$",
  "input2": "$INPUT_VALUE[2]$",
  "input2-alarm": "$INPUT_ALARM[2]$",
  "connection": "$CONNECTION_VALUE$",
  "connection-alarm": "$CONNECTION_ALARM$",
  "extpower": "$EXTPOWER_VALUE$",
  "extpower-alarm": "$EXTPOWER_ALARM$"
}

```

### Possible variables

- \$DEVICE\_ID\$ = ID of the device
- \$DEVICE\_NAME\$ = Name of the device
- \$DEVICE\_ADDRESS\$ = Address of the device

- 
- \$ALARMZONE\_ID\$ = ID of the alarm zone
- \$ALARMZONE\_NAME\$ = Name of the alarm zone
- \$ALARMZONE\_STATE\$ = status of the alarm zone
- 
- \$BUILDING\_ID\$ = ID of the building
- \$BUILDING\_NAME\$ = Name of the building
- 
- \$INPUT\_VALUE[1]\$ (1-16) = Measured value of the selected input (1-16)
- \$INPUT\_ALARM[1]\$ (1-16) = Alarm state of the selected input (1-16)
- \$BATTERY\_LEVEL\$ = Battery charge level
- \$BATTERY\_VOLTAGE\$ = Battery voltage
- \$BATTERY\_ALARM\$ = Alarm state of the battery
- \$CO\_VALUE\$ = Measured value of the CO sensor
- \$CO\_ALARM\$ = Alarm state of the CO sensor
- \$DEWPOINT\_VALUE\$ = Measured value of the dew point sensor
- \$DEWPOINT\_ALARM\$ = Alarm state of the dew point sensor
- \$HUMIDITY\_VALUE\$ = Measured value of the humidity sensor
- \$HUMIDITY\_ALARM\$ = Alarm state of the humidity sensor
- \$LATENCY\_VALUE\$ = Measured value of the server monitoring
- \$LATENCY\_ALARM\$ = Alarm state of the server monitoring
- \$MOTION\_VALUE\$ = Measured value of the motion sensor
- \$MOTION\_ALARM\$ = Alarm state of the motion sensor
- \$REED\_VALUE\$ = Measured value of the door contact
- \$REED\_ALARM\$ = Alarm state of the door contact
- \$CONNECTION\_VALUE\$ = Measured value of the connection monitoring
- \$CONNECTION\_ALARM\$ = Alarm state of the connection monitoring
- \$EXTPOWER\_VALUE\$ = Measured value of the power supply
- \$EXTPOWER\_ALARM\$ = Alarm state of the power supply
- \$TEMPERATURE\_VALUE\$ = Measured value of the temperature sensor
- \$TEMPERATURE\_ALARM\$ = Alarm state of the temperature sensor
- \$TILT\_VALUE\$ = Measured value of the sabotage sensor
- \$TILT\_ALARM\$ = Alarm state of the sabotage sensor
- \$VIBRATION\_VALUE\$ = Measured value of the vibration sensor
- \$VIBRATION\_ALARM\$ = Alarm state of the vibration sensor
- \$SNMP\_VALUE\$ = Measured value of the SNMP query
- \$SNMP\_ALARM\$ = Alarm state of the SNMP query
- 
- \$TIME\$ = Time of the event as text string (Same as with KPM, KXP)
- \$UNIXTIME\$ = Time of the event as UNIXTIME (Same as with KPM, KXP)