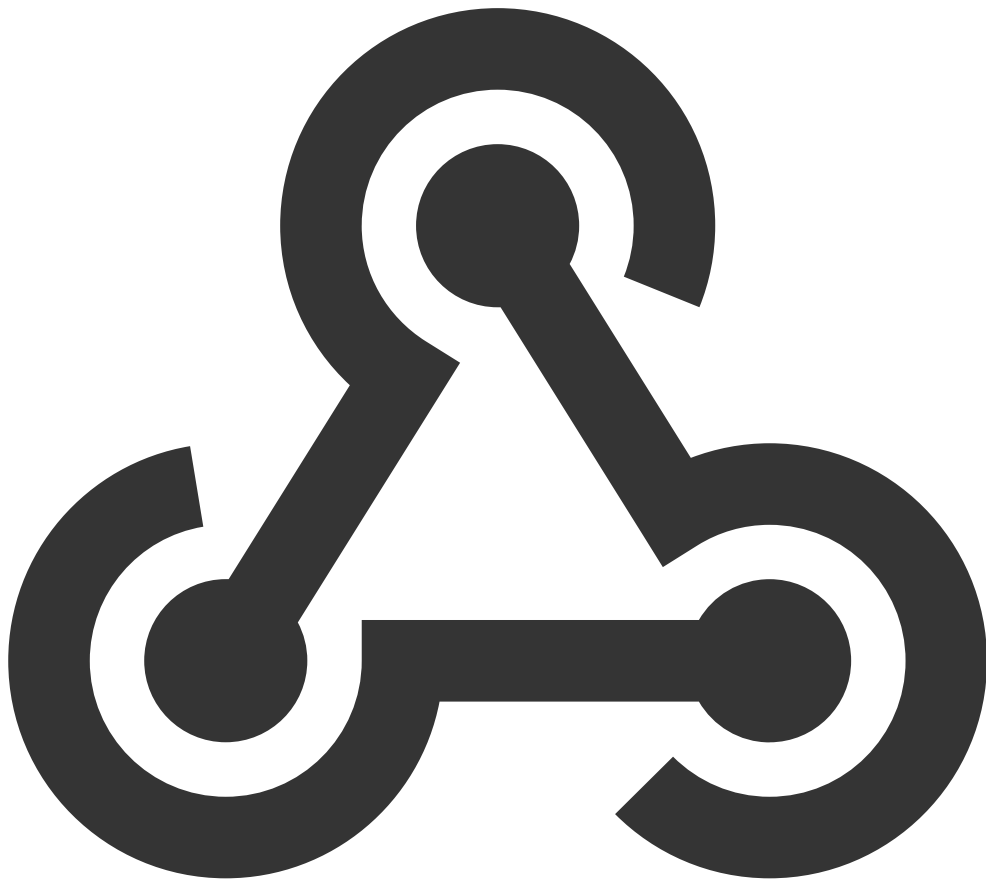# Webhooks

Webhooks are HTTP triggers that are sent when an event occurs. This event can be used to send data that makes it possible to control third-party APIs. The structure of the data can be freely determined. The variable user data are inserted with the help of variables. These are replaced at the time of triggering.

All API and SNMP examples shown here refer to the current versions of the respective products at the time of writing. These are subject to ongoing development.

The ReST API as well as the SNMP interfaces are delivered according to the documentation. KENTIX assumes that the user has basic knowledge of these technologies when using these interfaces.
In order to support you optimally in the implementation of your individual project requirements, we offer suitable support packages. You can easily book a corresponding time contingent in the Kentix Shop.

Possible variables

Variable name	Description
Alarm	
"$ACTIVE_ALARM_SENSOR_NAME$"	Alarm Sensor Name
"$ACTIVE_ALARM_MEASUREMENT_VALUE$"	Alarm Sensor Measurement Value: *(Value Unit)*
"$ACTIVE_ALARM_VALUE$"	Alarm Sensor Alarm State: **0**: OK **1**: Alarm **2**: Alarm acknowledgeable **3**: Warning **4**: Prealarm **5**: Warning acknowledgeable
User	
"$USER_ID$"	User ID
"$USER_NAME$"	User Name
"$USER_FULLNAME$"	User Full Name
"$USER_MAIL$"	User Mail
"$USER_RFID_UID$"	User RFID UID
"$USER_RFID_DATA$"	User RFID DATA
"$USER_PIN$"	User PIN
"$USER_UUID$"	User UUID
"$USER_PHONE_NUMBER$"	User Phone number
Access	

Variable name	Description
"$ACCESS_STATE$"	Access Request Result: **0**: Ok **1**: Invalid remote request **2**: Device not found **3**: RFID unknown **4**: PIN unknown **5**: 2-factor auth. failed **6**: User not found **7**: No time permission **8**: No door permission **9**: General errror
Device	
"$DEVICE_ID$"	Device ID
"$DEVICE_NAME$"	Device Name
"$DEVICE_ADDRESS$	Device Address
"$DEVICE_MAC$"	Device MAC
"$DEVICE_SERIAL$"	Device Serial Number
"$DEVICE_UUID$	Device UUID
"$DEVICE_TYPE$"	Device Type
Sensors	
For all sensor variables:	"..._V ALUE_ " =*(Value Unit)*
	"..._A LARM_ " = Alarm Sensor Alarm State: **0**: OK **1**: Alarm **2**: Alarm acknowledgeable **3**: Warning **4**: Prealarm **5**: Warning acknowledgeable
	"...*[number]$*" = Number of Input: [*1-9*]
"$INPUT_VALUE*[number]*$"	Input Measurement Value of Sensor
"$INPUT_ALARM[number]$"	Input Alarm State of Sensor
"$DI_NAME[number]$"	Digital Input Name
"$BATTERY_ALARM$"	Battery Alarm State
"$CO2_VALUE$"	CO2 Measurement Value
"$CO2_ALARM$"	CO2 Alarm State
"$DEWPOINT_VALUE$"	Dewpoint Measurement Value

Variable name	Description
"$DEWPOINT_ALARM$"	Dewpoint Alarm State
"$HUMIDITY_VALUE$"	Humidity Measurement Value
"$HUMIDITY_ALARM$"	Humidity Alarm State
"$LATENCY_VALUE$"	Latency Measurement Value
"$LATENCY_ALARM$"	Latency Alarm State
"$MOTION_VALUE$"	Motion Measurement Value
"$MOTION_ALARM$"	Motion Alarm State
"$REED_VALUE$"	Reed Measurement Value
"$REED_ALARM$"	Reed Alarm State
"$SABOTAGE_VALUE$"	Sabotage Measurement Value
"$SABOTAGE_ALARM$"	Sabotage Alarm State
"$CONNECTION_VALUE$"	Connection Measurement Value
"$CONNECTION_ALARM$"	Connection Alarm State
"$EXTPOWER_VALUE$"	External Power Measuremet Value
"$EXTPOWER_ALARM$"	External Power Alarm State
"$TEMPERATURE_VALUE$"	Temperature Measurement Value
"$TEMPERATURE_ALARM$"	Temperature Alarm State
"$TILT_VALUE$"	Tilt Measurement Value
"$TILT_ALARM$"	Tilt Alarm State
"$VIBRATION_VALUE$"	Vibration Measurement Value
"$VIBRATION_ALARM$"	Vibration Alarm State
"$SNMP_VALUE$"	SNMP Measurement Value
"$SNMP_ALARM$"	SNMP Alarm State
"$AIR_QUALITY_VALUE$"	Air Quality Measurement Value
"$AIR_QUALITY_ALARM$"	Air Quality Alarm State
"$AIR_QUALITY_FIRE_VALUE$"	Air Quality Fire Measurement Value
"$AIR_QUALITY_FIRE_ALARM$"	Air Quality Fire Alarm State
"$FIRE_HEAT_VALUE$"	Fire Heat Measurement Value
"$FIRE_HEAT_ALARM$"	Fire Heat Alarm State
"$FIRE_TI_VALUE$"	Fire TI Measurement Value
"$FIRE_TI_ALARM$"	Fire TI Alarm State

Variable name	Description
"$FIRE_CO_VALUE$	Fire CO Measurement Value
"$FIRE_CO_ALARM$"	Fire CO Alarm State
Power	
For all power variables:	*"..._VALUE"* =*(Value Unit)*
	" ..._ ALARM " = Alarm State: **0**: OK **1**: Alarm **2**: Alarm acknowledgeable **3**: Warning **4**: Prealarm **5**: Warning acknowledgeable
	"...[number]$" = Number of Phase [*1-3*]
phase	
"$PHASE_NAME*[number]*$"	Phase Name
"$PHASE_NUMBER[number]$"	Phase Number
"$VOLTAGE[number]$"	Phase Voltage
"$VOLTAGE_ALARM[number]$"	Phase Voltage Alarm State
"$CURRENT[number]$"	Phase Current
"$CURRENT_ALARM[number]$"	Phase Current Alarm State
"$POWER_ACTIVE[number]$"	Active Power
"$POWER_ACTIVE_ALARM[number]$"	Active Power Alarm State
"$POWER_REACTIVE[number]$"	Reactive Power
"$POWER_REACTIVE_ALARM[number]$"	Reactive Power Alarm State
"$POWER_APPARENT[number]$"	Apparent Power
"$POWER_APPARENT_ALARM[number]$"	Apparent Power Alarm State
"$POWER_FACTOR[number]$"	Power Factor
"$FREQUENCY[number]$"	Frequency
"$FREQUENCY_ALARM[number]$"	Frequency Alarm State
"$CONSUMPTION[number]$"	Power Consuption Value
"$FUSE_ALARM[number]$"	Fuse Alarm State
"$FUSE_VALUE[number]$"	Fuse Value
device	
"RCM_AC"	AC RCM

Variable name	Description
"RCM_AC_ALARM"	AC RCM Alarm State
"RCM_DC"	DC RCM
"RCM_DC_ALARM"	DC Alarm State
"$SYNCHRONICITY_VALUE$"	Power Synchronicity
"$SYNCHRONICITY_ALARM$"	Power Synchronicity Alarm State
Groups	
"$GROUP_ID$"	Group ID
"$GROUP_NAME$"	Group Name
"$GROUP_STATE$"	Group Arming State: **0**: Disarmed **1**: Armed
"$GROUP_UUID$"	Group UUID
$GROUP_ARMED_PREALARM_COUNT$""	Group "Armed Active" Prealarm Count
"$GROUP_ARMED_ALARM_COUNT$"	Group "Armed Active" Alarm Count
"$GROUP_ARMED_QUITABLE_ALARM_COUNT$"	Group "Armed Active" acknowledgeable alarms Count
"$GROUP_ARMED_WARNING_COUNT$"	Group "Armed Active" Warning Count
"$GROUP_ALWAYS_ALARM_COUNT$"	Group "Always Active" Alarm Count
"$GROUP_ALWAYS_QUITABLE_ALARM_COUNT$"	Group "Always Active" acknowledgeable alarm count
"$GROUP_ALWAYS_WARNING_COUNT$"	Group "Always Active" Warning Count
"$GROUP_ALWAYS_QUITABLE_WARNING_COUNT$"	Group "Always Active" acknowledgeable alarm count
"$GROUP_FIRE_ALARM_COUNT$"	Group "Fire" Alarm Count
"$GROUP_FIRE_QUITABLE_ALARM_COUNT$"	Group "Fire" acknowledgeable alarm count
"$GROUP_FIRE_WARNING_COUNT$"	Group "Fire" Warning Count
"$GROUP_FIRE_QUITABLE_WARNING_COUNT$"	Group "Fire" acknowledgeable Warning Count
"$GROUP_SABOTAGE_ALARM_COUNT$"	Group "Sabotage" Alarm Count
"$GROUP_SABOTAGE_QUITABLE_ALARM_COUNT$"	Group "Sabotage" acknowledgeable alarm count
"$GROUP_SABOTAGE_WARNING_COUNT$"	Group "Sabotage" Warning Count

Variable name	Description
"$GROUP_SABOTAGE_QUITABLE_WARNING_COUNT$"	Group "Sabotage" acknowledgeable Warning Count
"$GROUP_SYSTEM_ALARM_COUNT$"	Group "System" Alarm Count
"$GROUP_SYSTEM_QUITABLE_ALARM_COUNT$"	Group "System" acknowledgeable alarm count
"$GROUP_SYSTEM_WARNING_COUNT$"	Group "System" Warning Count
"$GROUP_SYSTEM_QUITABLE_WARNING_COUNT$"	Group "System" acknowledgeable Warning Count
System	
"$SYSTEM_TIME$"	System Time YYYY-MM-DD HH:MM:SS
"$SYSTEM_UNIXTIME$"	System Time in Unixtime (UTC)
"$SYSTEM_TEMP_UNIT$"	System Temperature Unit (F/C)
"$SYSTEM_NAME$"	System Name
"$SYSTEM_ADDRESS$"	System Address
"$SYSTEM_MAC$"	System MAC
"$SYSTEM_HOSTNAME$"	System hostname
"$SYSTEM_SERIAL$"	System Serial Number

Possible Variables for Webhooks (Version 8.3.4)

Examples

Simple message

```
{
    "alarm-sensor-name:" "$ACTIVE_ALARM_SENSOR_NAME$",
    "alarm-sensor-value:" "$ACTIVE_ALARM_MEASUREMENT_VALUE$",
    "active-alarm-assignment:" "$ACTIVE_ALARM_ALARM_VALUE$"

}
```

Access

```
{
    "time:" "$SYSTEM_TIME$",
    "user:" "$USER_NAME$",
    "rfid:" "$USER_RFID_UID$",
    "pin:" "$USER_PIN$",
    "state:" "$ACCESS_STATE$",
```

```
    "door:" "$DEVICE_NAME$"

}
```

MultiSensor

```
{
    "time:" "$SYSTEM_TIME$",
    "device-name:" "$DEVICE_NAME$",
    "temperature-unit:" "$SYSTEM_TEMP_UNIT$"
    "temperature:" "$TEMPERATURE_VALUE$",
    "humidity:" "$HUMIDITY_VALUE$",
    "humidity-alarm:" "$HUMIDITY_ALARM$",
    "dewpoint:" "$DEWPOINT_VALUE$",
    "dewpoint-alarm:" "$DEWPOINT_ALARM$",
    "fire-co:" "$FIRE_CO_VALUE$",
    "fire-alarm:" "$FIRE_CO_ALARM$",
    "fire-air-quality:" "$AIR-QUALITY-FIRE-VALUE$"
    "fire-air-quality-alarm:" "$AIR_QUALITY_FIRE_ALARM$"
    "intrusion:" "$MOTION_VALUE$",
    "intrusion-alarm:" "$MOTION_ALARM$",
    "vibration:" "$VIBRATION_VALUE$",
    "vibration-alarm:" "$VIBRATION_ALARM$",
    "input1-name:" "$DI_NAME[1]$",
    "input1_value:" "$INPUT_VALUE[1]$",
    "input1-alarm:" "$INPUT_ALARM[1]$",
    "input2-name:" "$DI_NAME[2]$",
    "input2_value:" "$INPUT_VALUE[2]$",
    "input2-alarm:" "$INPUT_ALARM[2]$",
    "connection:" "$CONNECTION_VALUE$",
    "connection-alarm:" "$CONNECTION_ALARM$",
    "external power:" "$EXTPOWER_VALUE$",
    "extpower-alarm:" "$EXTPOWER_ALARM$"
}
```

PowerManager

```
{
    "time:" "$SYSTEMTIME$",
    "system-name": "SYSTEM-NAME$",
    "address": "$SYSTEM_ADDRESS$",
    "rcm:"
    {
        "ac:"
        {
            "value:" "$RCM_AC$",
            "alarm:" "$RCM_AC_ALARM$"
```

```
            },
            "dc":
            {
                "value:" "$RCM_DC$",
                "alarm:" "$RCM_DC_ALARM$"
            }
        {
            "syncronicity:"
            {
                "value:" "$SYNCHRONICITY_VALUE$",
                "alarm:" "$SYNCHRONICITY_ALARM$"
            }
        }
    },
    "power_failure:" "$POWER_FAILURE_ALARM$",
    "phases:"
    [
        {
            "name": "$PHASE_NAME[1]$",
            "number": "$PHASE_NUMBER[1]$",
            "voltage":
            {
                "value": "$VOLTAGE[1]$",
                "alarm": "$VOLTAGE_ALARM[1]$"
            },
            "current":
            {
                "value": "$CURRENT[1]$",
                "alarm": "$CURRENT_ALARM[1]$"
            },
            "power":
            {
                "active":
                {
                    "value": "$POWER_ACTIVE[1]$",
                    "alarm": "$POWER_ACTIVE_ALARM[1]$"
                },
                "reactive":
                {
                    "value": "$POWER_REACTIVE[1]$",
                    "alarm": "$POWER_REACTIVE_ALARM[1]$"
                },
                "apparent":
                {
                    "value": "$POWER_APPARENT[1]$",
                    "alarm": "$POWER_APPARENT_ALARM[1]$"
```

```
        },
        "factor":
        {
            "value": "$POWER_FACTOR[1]$"
        }
    },
    "frequency":
    {
        "value": "$FREQUENCY[1]$",
        "alarm": "$FREQUENCY_ALARM[1]$"
    },
    "consumption":
    {
        "value": "$CONSUMPTION[1]$"
    },
    "fuse":
    {
        "alarm": "$FUSE_ALARM[1]$"
    }
},
{
    "name": "$PHASE_NAME[2]$",
    "number": "$PHASE_NUMBER[2]$",
    "voltage":
    {
        "value": "$VOLTAGE[2]$",
        "alarm": "$VOLTAGE_ALARM[2]$"
    },
    "current":
    {
        "value": "$CURRENT[2]$",
        "alarm": "$CURRENT_ALARM[2]$"
    },
    "power":
    {
        "active":
        {
            "value": "$POWER_ACTIVE[2]$",
            "alarm": "$POWER_ACTIVE_ALARM[2]$"
        },
        "reactive":
        {
            "value": "$POWER_REACTIVE[2]$",
            "alarm": "$POWER_REACTIVE_ALARM[2]$"
        },
        "apparent":
```

```
                    {
                        "value": "$POWER_APPARENT[2]$",
                        "alarm": "$POWER_APPARENT_ALARM[2]$"
                    },
                    "factor":
                    {
                        "value": "$POWER_FACTOR[2]$"
                    }
                },
                "frequency":
                {
                    "value": "$FREQUENCY[2]$",
                    "alarm": "$FREQUENCY_ALARM[2]$"
                },
                "consumption":
                {
                    "value": "$CONSUMPTION[2]$"
                },
                "fuse":
                {
                    "alarm": "$FUSE_ALARM[2]$"
                }
            },
            {
                "name": "$PHASE_NAME[3]$",
                "number": "$PHASE_NUMBER[3]$",
                "voltage":
                {
                    "value": "$VOLTAGE[3]$",
                    "alarm": "$VOLTAGE_ALARM[3]$"
                },
                "current":
                {
                    "value": "$CURRENT[3]$",
                    "alarm": "$CURRENT_ALARM[3]$"
                },
                "power":
                {
                    "active":
                    {
                        "value": "$POWER_ACTIVE[3]$",
                        "alarm": "$POWER_ACTIVE_ALARM[3]$"
                    },
                    "reactive":
                    {
                        "value": "$POWER_REACTIVE[3]$",
```

```
                "alarm": "$POWER_REACTIVE_ALARM[3]$"
            },
            "apparent":
            {
                "value": "$POWER_APPARENT[3]$",
                "alarm": "$POWER_APPARENT_ALARM[3]$"
            },
            "factor":
            {
                "value": "$POWER_FACTOR[3]$"
            }
        },
        "frequency":
        {
            "value": "$FREQUENCY[3]$",
            "alarm": "$FREQUENCY_ALARM[3]$"
        },
        "consumption":
        {
            "value": "$CONSUMPTION[3]$"
        },
        "fuse":
        {
            "alarm": "$FUSE_ALARM[3]$"
        }
    }
  ]
}
```