

# UPDU Checkmk Extension

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## 1 Setup

Setting up the extension is relatively straight forward in the paid versions of checkmk. Follow the instructions from the official manual:

Checkmk: Adding an MKP

Should you use the open-source (Raw) version, perform according to the following section to install the extension manually.

### 1.1 Manual installation

For the Raw Edition of Checkmk, no visual (web-based) interface to install extensions is available. Thus, one has to manually install the extension from the command line.

First copy the package to the checkmk server and make it readable by any user of the system. This can be done securely via `scp` or any other mean of choice:

```
scp rnx_updu-0.0.1.mkp root@172.17.0.2:/tmp
ssh root@172.17.0.2 'chmod a+r /tmp/rnx_updu-0.0.1.mkp'
```

Once the package is available on the server, connect and install the extension. As the checkmk user usually does not come with an actual login, it may be required to connect as root (which may have to be explicitly allowed in the `sshd` configuration).

Once connected, the installation proceeds with a checkmk user, in this case named `cmk`.

```
ssh root@172.17.0.2
omd su cmk
mkp add /tmp/rnx_updu-0.0.1.mkp
mkp enable rnx_updu
```

This should not yield any errors and checkmk now allows fetching data from any `UPDU`.

## 2 Host configuration

### 2.1 Add a new host

Once the plugin is installed, adding a new UPDU is straight forward. Navigate to **Setup->Hosts** and use the **Add Host** button to connect a new device.

To avoid issues with errors from built-in agents, configure the host according to the following illustration :

▼ **Basic settings**

Hostname ..... updu.riedo.com

▼ **Network address**

IP address family ..... ☐ IPv4 only (Default value)

IPv4 address ..... ☐ empty (Default value)

▼ **Monitoring agents**

Checkmk agent / API integrations ... ✕ No API integrations, no Checkmk agent ▼

SNMP ..... ✕ SNMP v2 or v3 ▼

SNMP credentials ..... ✕ SNMP community (SNMP Versions 1 and 2c) ▼

.....

Figure 1: New host settings

### 3 Revision History

#### 3.1 Revision 0.0.1

The first version of the RNX UPDU Checkmk Extension.

This version supports the following:

- Read and monitor power measurements from all objects.
- Read and monitor external sensor measurements.

##### 3.1.1 Missing features

The residual current (RCM) readings from an optionally built-in measurement module are currently not obtained.