CodeMeter as Network License Server on Raspberry Pi

Version 6.30

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1   Safety instructions

The hardware of WIBU-SYSTEMS AG serves to protect and license digital products and has been developed, manufactured and inspected in accordance with state-of-the-art technology and recognized technical safety rules and regulations.
For further information on hardware certificates see the respective documents to be downloaded at the website of Wibu-Systems (http://www.wibu.com/en/certificates.html).
Before you use the hardware please observe the following safety instructions:

- If you follow the instructions regarding safety as described in this manual, the hardware will, in the normal case, neither cause personal injury nor damage to machinery and equipment. Connect the hardware only to matching intended interfaces. The use for other purposes, opening or own repair of the hardware may lead to damages of the product and its suroundings.Modifying the hardware affects the product safety. Caution: risk of injury!
- The hardware may warm up during operation - which is a normal operational parameter.
- Keep the hardware away from humidity and avoid strong vibration, dust, heat, and direct sunlight, in order to prevent operational interference
- Depending on the used operating system the detection of the hardware device may take some seconds. Before disconnecting the hardware the user should wait several seconds to avoid loss of data during data saving.
- This product is not a toy, keep away from children!.

Non-compliance with the safety instructions results in a loss of warranty.

2 CodeMeter as Network Server on Raspberry Pi

This document describes how to set up a Raspberry Pi as network license server allowing the access of remote computer to this network license server.

The document is part of the ZIP archive you downloaded from the area "CodeMeter additional downloads" at the Wibu-Systems website www.wibu.com/en/downloads-user-software.html and unpacked it.

In addition, this archive includes the *CodeMeter* Runtime package "`CodeMeter_[Version].[Package]_armhf.deb`" you install on the Raspberry Pi.

2.1 Requirements

It is assumed that you installed Raspberry P and customized and configured it to meet your requirements (localization, keyboard layout, setting the visible name (Host name) of the Raspberry Pi on the local network, etc.)

For more details see www.rapberrypi.org/documentation.

> By default, *CmDongles* connected with Raspberry Pi display only, if these are configured as HID device class (Human Interface Device of USB standard).

The installation was tested on a Raspberry Pi Model B. The installation on other models is analog and should be supported.

2.2 Installing CodeMeter Runtime

For installing the *CodeMeter* Runtime to your Raspberry Pi, please proceed as follows:

1. Transfer the installation package from the archive using a program supporting an encrypted network connection to a remote device (ssh), e.g. WinSCP.
2. Login to Raspberry Pi.
3. Type into the commandline the following command to call the package manager as administrator:
   ```
   sudo dpkg -i CodeMeter_[Version].[Package]_armhf.deb
   ```
   This installs the *CodeMeter* Runtime.

In order to check whether you can access *CodeMeter* from a remote computer, make sure that the Raspberry Pi and the remote computer are connected to the network and the *CmDongle* is connected to Raspberry Pi. Then proceed as follows:

1. Open a browser window on the remote computer and type into the address line the following command:
   ```
   [Host name of Raspberry Pi]:22350
   ```
   For example, `raspberry_testserver:22350`. The *CodeMeter WebAdmin* graphical user interface.
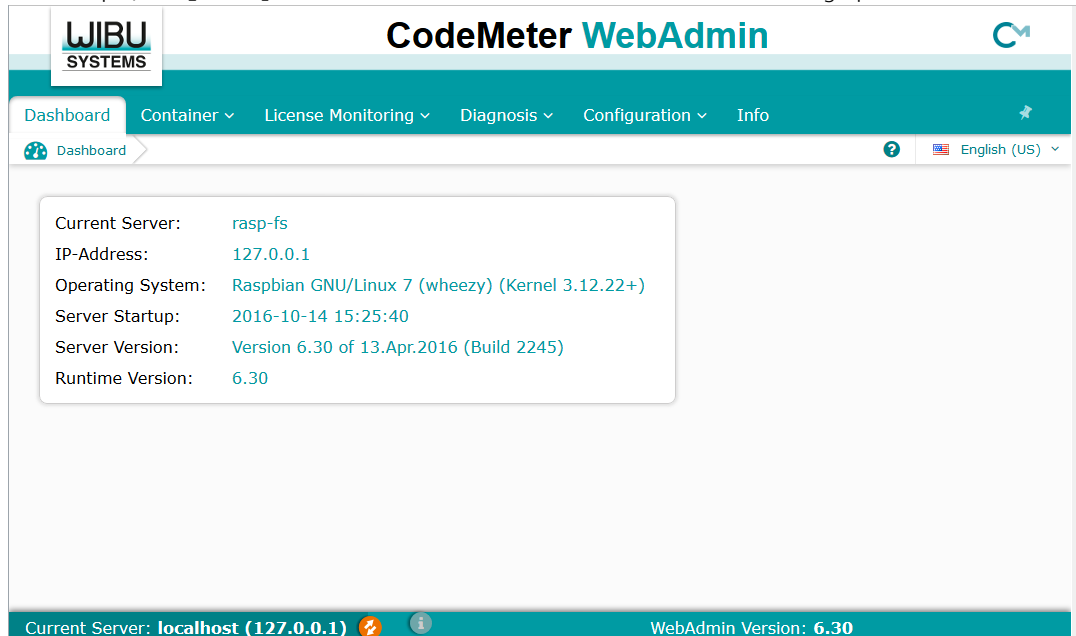
> If this should not be the case, eventually the *CmDongles* connected to the Raspberry Pi are not detected. Then you must manually reload the generic module (sg) for the SCSI interface.
> Please proceed as follows:
>
> 1. Login to Raspberry Pi.
> 2. Type into the commandline the following command as administrator:
>    ```
>    sudo -i
>    echo sg >> /etc/modules
>    ```
>   This activates the module.

2.3   Configuration

Configuring *CodeMeter* Runtime to act as network license server includes two consecutive steps:
- configuring access to settings ⤴ 6
- provide licenses on the network ⤴ 6

Configuring access to settings

Performing the configuration requires changes in the so-called profiling. In order to allow these changes using the *CodeMeter WebAdmin* graphical user interface, the access to *CodeMeter WebAdmin* is one-time changed to access using a password. Please proceed as follows.

1. Login to Raspberry Pi.
2. Open *CodeMeter WebAdmin* (e.g. `raspberry_testserver:22350`).
3. Navigate to page "**Configuration | Basic | WebAdmin**".
4. Activate "**Require Authentication**" option in **Authentication** area.
5. Type `admin` into filed **User Name** and also a password repeatedly in the respective fields **Password** and **Verify Password**.
6. Aktivate "**Allow Remote Read**" option.
7. Click the "**Apply**" button to save the changes.
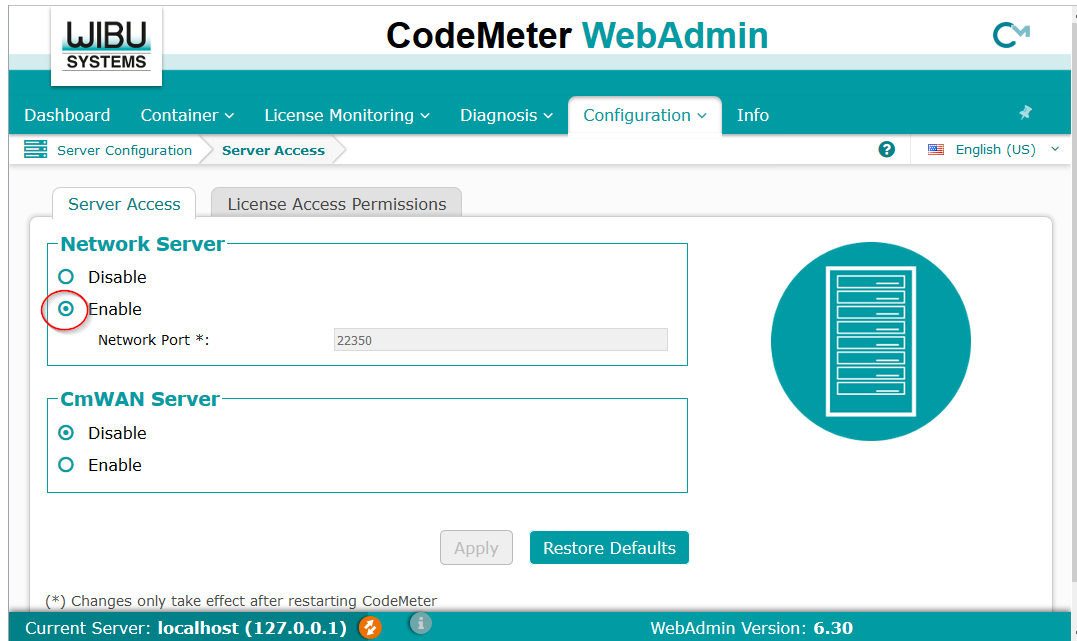8. Restart *CodeMeter License Server.*
   See the *CodeMeter* User Help "Start and Stopp *CodeMeter* service or daemon"**.**

Provide licenses on the network

In order to configure *CodeMeter* Runtime acting as license network server, please proceed as follows:

1. Navigate in the still open *CodeMeter WebAdmin* (e.g. `raspberry_testserver:22350`) to the page "**Configuration | Server**".

2. Activate the checkbox "**Run Network Server**" to use Raspberry Pi as license network server.

Now the configuration of Raspberry Pi is finshed. It will provide its *CodeMeter* licenses on the network using the service *CodeMeter License Server* .

3   Version

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