

# How to enable an automated load of the uio\_netx kernel module at system start

By default the uio\_netx kernel module needs to be loaded every system start (e.g. via modprobe uio\_netx). To skip this step add the module name to the list specified in */etc/modules*.

## General

- Does the driver work under RTAI
- Does the driver work under XENOMAI
- Which Kernel versions are supported
- How to enable an automated load of the uio\_netx kernel module at system start
- How to enable access to cifX device for non-root users
- Failed to map the DPM of a device
- What devices are supported?
- Which Linux distributions are supported
- Failed to install the driver via the provided build script
- Failed to load the uio\_netx kernel module
- Is DMA data transfer supported?
- Why is my "ethercat.xml" configuration file not downloaded ?

## Installation

- How to install the driver step by step
- Failed to install the driver via the provided build script
- Failed to load the uio\_netx kernel module
- Is DMA data transfer supported?

## **Configuration**

- cifX Device is not correctly configured
- No log file of the user space driver is created
- Why is my "ethercat.xml" configuration file not downloaded ?

## **Application**

- Any questions to the driver's API
- Failed request DMA state or to exchange IO-data via DMA
- Unable to access or find a device

## **netX based Virtual Ethernet Interface**

- Failed to create a Virtual Ethernet Interface