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HARTING HAIIIC MICA Java 8 Container v1.1.0_r

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This application note explains how to use the Java 8 container v1.1.0_r.



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1 Java 8 Container Basics

1.1 Overview

The Java 8 Base Container is shipped with OpenJDK JRE 1.8.0 based on Busybox v1.22.1. It supports Java Applications with version 8 or lower.

Web Icons App.png and Header.png can be found under /META/web_icons. In case new Web Container Icons are desired one can simply replace these files.

The Java 8 Base Container is suited for productive purposes.

1.2 Installation

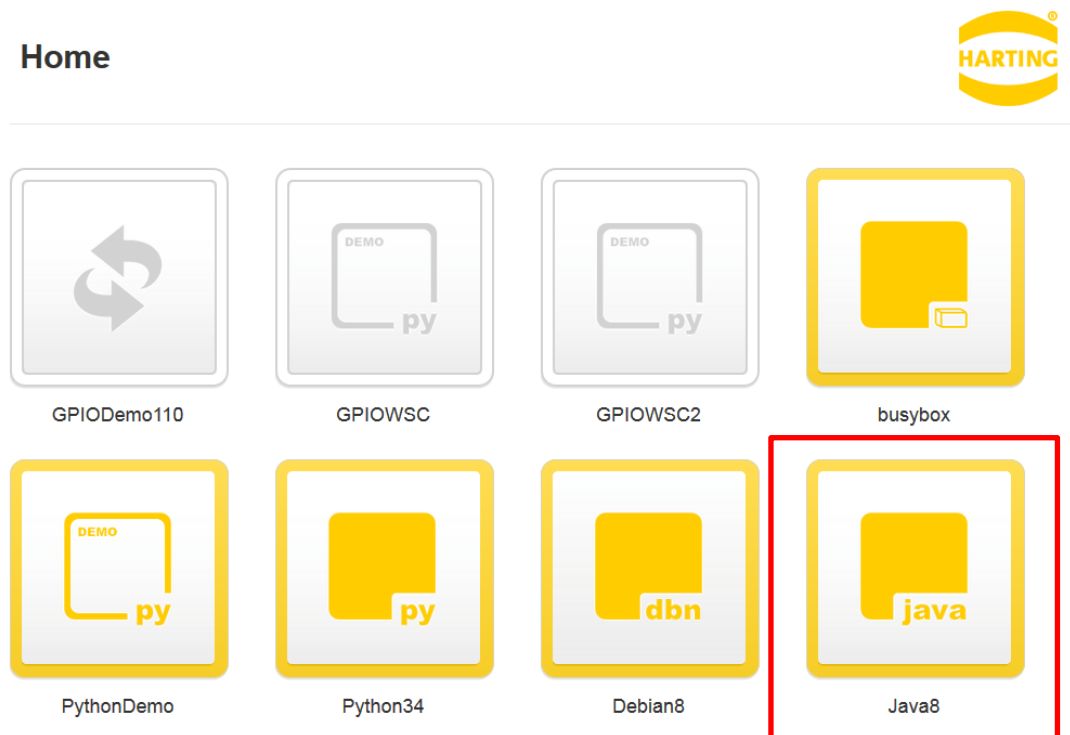


Figure 1: MICA Homescreen Including a Highlighted Java 8 Container

The installation and configuration routine of the Java 8 Container follows the standard routine as provided by the IIC MICA and can be found in the “MICA Programming Guide”.

Connect your MICA to a webbrowser of your choice

Using Windows, you can access your MICA via <https://devicename>

If your host is running an mdns application, you can access your MICA also via <https://devicename.local>.

You have to accept a Security Certificate. After Container installation, you have to configure network settings via Firmware -> Settings -> Network in order to access the Container via SSH.

2 Use of the Java 8 Container

The Java 8 container can be accessed over ssh using e.g. Putty. The user name and password is root\rroot. You can then use Java 8 and pip.

When you start the container WebGUI, you see the following:

```
Waiting for web server...
```

```
If no web server is configured for this container, please refer to the documentation on how to configure a web server.
```

A httpd webserver can be configured on the Java 8 container and the WebGUI can be accessed over https.

Access the Java 8 container via ssh. Under etc/init.d you find a start script for httpd. Create a softlink under rc.d by executing

```
cd /etc/rc.d  
ln -s ../init.d/<script> <link_name>
```

The link_name should start with a number describing the place in line of start scripts where it is executed.

Add an index.html file to the directory /var/www and modify it to create a container WebGUI.

Restart the Java 8 container.

The WebGUI can be accessed from a client via https.

3 Version History

Version 1.1.0_r

- Idconfig added

Version 1.0.0