



INtime[®] Distributed RTOS Licensing
Appendix 7
with CID key
Procedure
INtime 7





Appendix 7 – USB/CID Key license installation

USB/CID key license installation consists of installing a license file using the “Add license...” function in the license manager. Each USB/CID key has a unique corresponding license code. Steps below go through the procedure.

Step by Step USB/CID Key license installation Example

Use this procedure to enter the license code.

Obtain the license string for the USB/CID key

Delegate User

If a Delegate User license account Username and Password was provided by your Operations Manager, use the TenAsys License Portal to obtain the USB/CID Key License String.

Open a browser to <http://license.tenasys.com/login>, the *TenAsys License Portal*.

Figure 7.1 – TenAsys License Portal

Enter the Username and Password, then click on Login.

Figure 7.2 – USB/CID Serial Number entry

Enter the USB/CID Serial Number, then click on the search icon.



Product	Total Available
---------	-----------------

Figure 7.3 – Get License

Operations Manager

The Operations Manager can search for the USB/CID serial number in the Operations Manager interface, covered in the Customer Operations Manager Guide.

License Card

Each USB/CID key is provided with a USB/CID specific URL. Use this URL in a web browser to obtain the unique License String for that particular USB/CID key.

Install the license

Installation of a license is performed with either:

- INshell on the INtime Distributed RTOS console.
- The built-in web-server on INtime Distributed RTOS. Access the web-server interface by entering the IP address from the installation configuration of the target host or from the startup screen at boot time if the host was set to obtain an IP address via DHCP as shown in the example screen below to any browser on a host on the local network.
- INshell from the built-in web-server on INtime Distributed RTOS.

Using INshell

(either on the RTOS console or with INshell on the built-in web-server): after transferring the license file to the INtime Distributed RTOS disk with FTP, use the command line:

```
license add <license.lic>
```

Specifying the file name is optional if the file is named license.lic in the root directory. Confirm the installation of the license with the command:

```
license list
```

Using the build-in web-server

Find the IP address for the INtime Distributed RTOS host:

```
13 files, 4182656 free (130708 clusters)
init: Initialized licensing system.
init: Loading syslogd
init: Loading USB stack
init: License check...
init: Failed to acquire license.
init: Loading network
dhclient: rtl1g0: no link ...
dhclient: rtl1g0: no link ...
dhclient: rtl1g0: no link ...
dhclient: rtl1g0 got link
dhclient: DHCPDISCOVER on rtl1g0 to 255.255.255.255 port 67 interval 2
dhclient: DHCPOFFER from 192.168.1.1
dhclient: DHCPREQUEST on rtl1g0 to 255.255.255.255 port 67
dhclient: DHCPACK from 192.168.1.1
dhclient: New IP Address (rtl1g0): 192.168.1.208
dhclient: New Subnet Mask (rtl1g0): 255.255.255.0
dhclient: New Broadcast Address (rtl1g0): 192.168.1.255
dhclient: New Routers (rtl1g0): 192.168.1.1
dhclient: bound to 192.168.1.208 -- renewal in 43200 seconds.
init: Loading network apps
init: Loading FTP server
init: Loading web server
OrtosCIEExtension.rsl loaded
init: Valid license not found.
init: Entering restricted environment to allow for license installation
init: or activation.
init: System will shutdown after 10 minutes.
/>
```

Figure 7.4 - Host boot up screen with the IP address listed.

The host was set up in DHCP mode with the network connection on network device rtl1g0.

An alternative to find the IP address is to use the *INtime Node Management* window on any system on the network shared with the INtime Distributed RTOS target host. The *INtime Node Management* window shows the IP address on the right after selecting the system on the left. Click on "Configure over network".

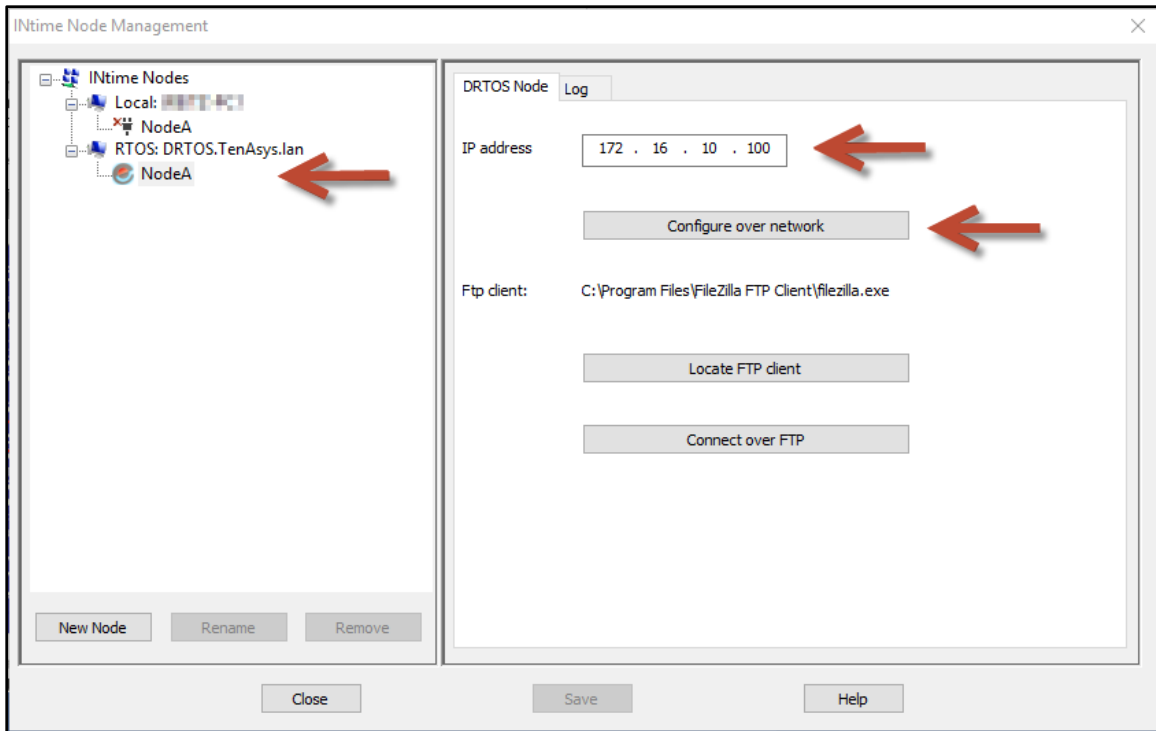


Figure 7.5 – Select the RTOS node with the INtime Node Manager.

Both methods get to the initial INtime distributed RTOS screen from the built-in web server.

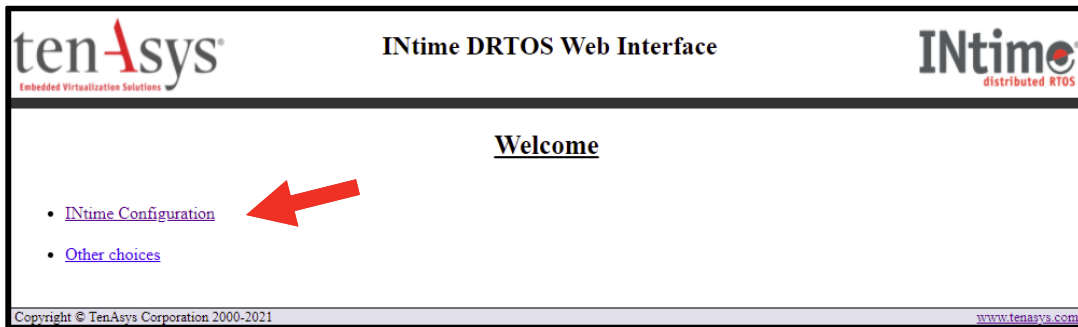


Figure 7.6 – Initial screen from the RTOS web server.

Click on INtime Configuration.

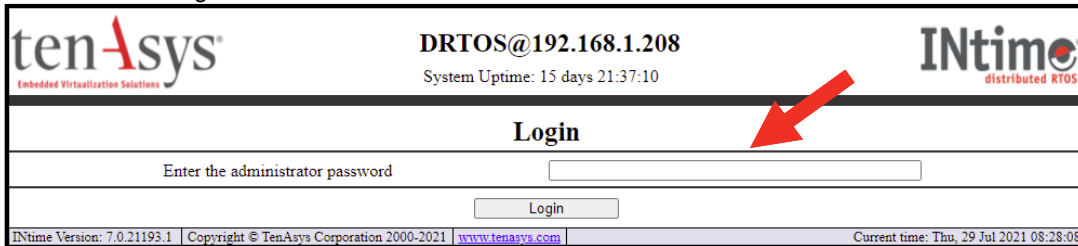


Figure 7.7 - Password screen of the target host's built-in web-server.

Enter the target host password set in the installation configuration process. Click on the “Login” button.

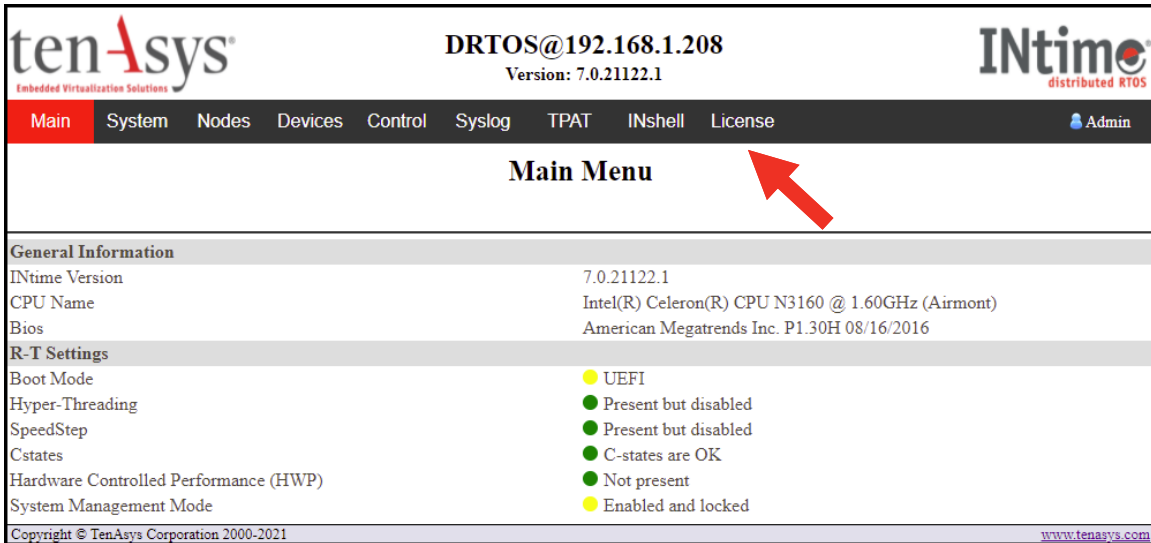


Figure 7.8 - Main screen of the target host's built-in web-server.

On the Target INtime Distributed RTOS host: Insert the USB/CID key into a USB port.



Figure 7.9 - USB/CID Key

After transferring the license file to the browser host, open the License page:

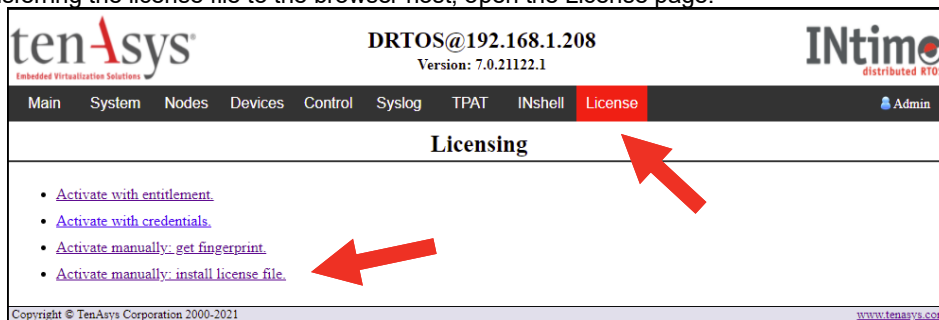


Figure 7.10 – License Management window

Download the License String.
Use the “Activate manually: install license file” option to import the license file.

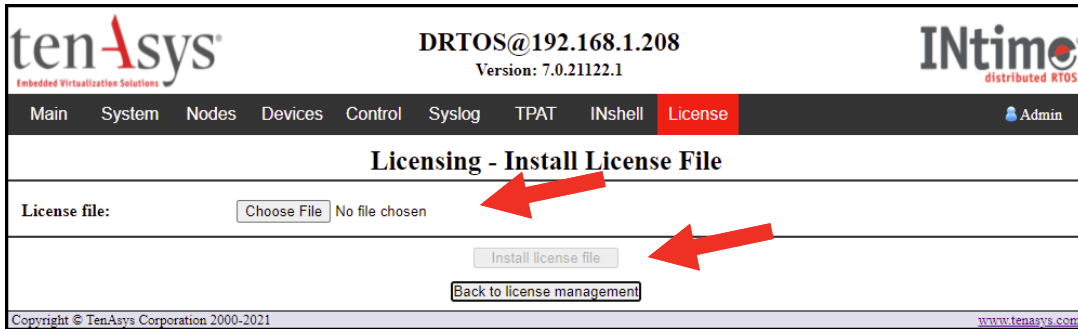


Figure 7.11 – Enter license string window

And select the license file.
 Click on the “Install license file” button.
 Click on *Back to license management* to verify the new license.

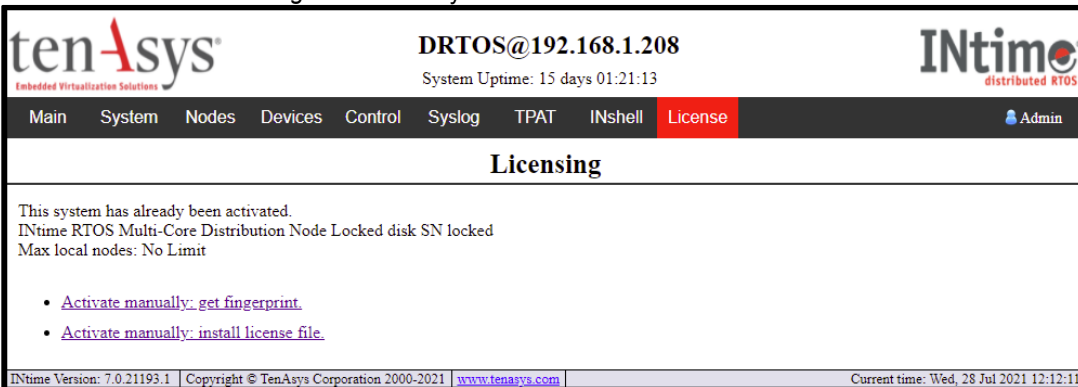


Figure 7.12 – License installed