

INtime® Distributed RTOS Licensing
Appendix 5
with a Delegate User Account
using License Portal Procedure
INtime 7

Appendix 5 – License Portal Activation with a Delegate User account

Use this procedure to activate without an Entitlement, but with a delegate user account. The license will be allocated from the account.

Identifying license components:

Fingerprint: ---- BEGIN HOST INFO ----<ascii>---- END HOST INFO ----

Entitlement Code: 8digits-4digits-4digits-12digits<32 Hexadecimal digits total>

01234567-89AB-CDEF-0123-456789ABCDEF

Used once to obtain a license from the TenAsys license server.

License String: *<ascii license string>[# "16" version "", no expiration date, exclusive...]

Located in the %INTIMECFG%lservrc file.

The license portal method of activation consists of capturing a fingerprint from the target host that needs activation, pasting that fingerprint in the license portal website, saving the returned license file, and loading it on the target host that needs activation using **Install license...** in the build-in web server interface or the **Licman** command in INshell. The details follow.

License Portal Activation Example

Step by Step Automated Activation Example

Activation of the target host can be performed in the first 10 minutes after booting without a license.

Capture the fingerprint

Activation of a target host is performed with either:

- INshell on the built-in web server or 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.
- Using INshell: Capture the fingerprint from INshell on the INtime Distributed RTOS console with the command:

licman -f:[file name]

The fingerprint is stored in the file.

2. Using the build-in web server: first 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: rtllg0: no link ...
dhclient: rtllg0: no link ...
dhclient: rtllg0: no link ...
dhclient: rtllg0 got link
dhclient: DHCPDISCOVER on rtllg0 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 (rtllg0) 192.168.1.208
dholient: Мем Subnet Mask (rtlig0)։ 255-255-255.մ
dhclient: New Broadcast Address (rtllg0): 192.168.1.255
dhclient: New Routers (rtllg0): 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
OrtosCIExtension.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 5.1 - 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.

3. An alternative is to use the *INtime Node Management* window on any system on the network shared with the INtime Distributed RTOS target host. If using the *INtime Node Management* window, the IP address is displayed on the right after selecting the system on the left. Click **Configure over network**.

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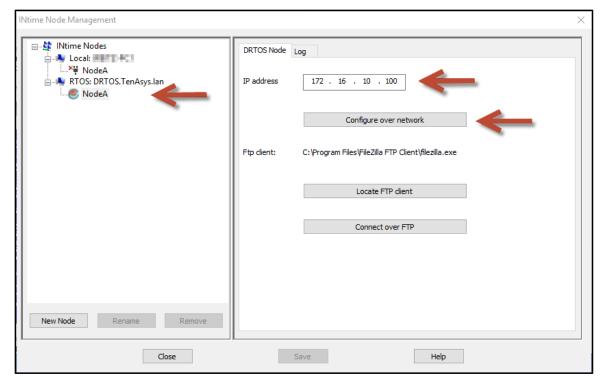


Figure 5.2 - Select the RTOS node with the INtime Node Manager.

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

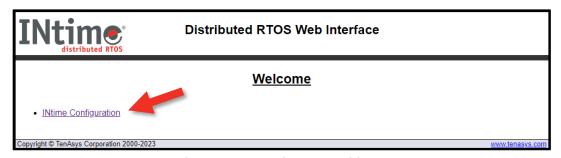


Figure 5.3 - Initial screen from the RTOS web server.

Click INtime Configuration.



Figure 5.4 - Password screen of the target host's built-in web server.

3

Enter the target host password set in the installation configuration process. Click Login.



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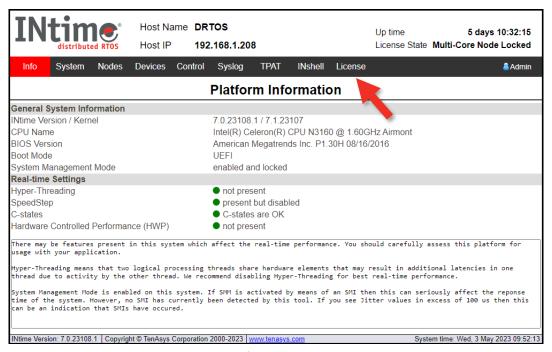


Figure 5.5 - Main screen of the target host's built-in web server.

Click the License menu and a screen listing 4 methods to activate the host appears.



Figure 5.6 - Activate manually: get fingerprint option on the licensing screen.

4

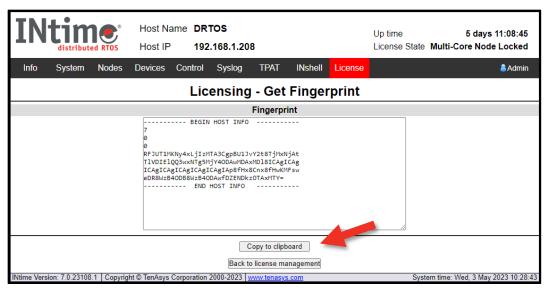


Figure 5.7 - Fingerprint

Use **Copy to clipboard** and paste the buffer to save the fingerprint as a text file, then take the file to an internet connected system.

Obtain the license from the TenAsys License Management portal

Open a browser on the internet connected system to http://activate.tenasys.com/activate, the TenAsys License Management portal.

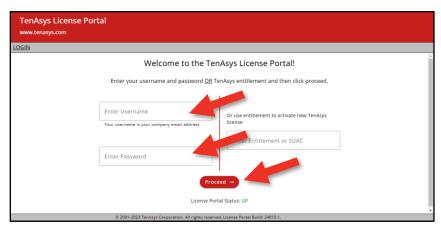


Figure 5.8 - INtime License portal account login

5

Enter the license account User Name and Password.

The *User Name* and *Password* should be provided by the *Operations Manager* at your company. Click **Proceed**. The next page shows the number of remaining Entitlements.

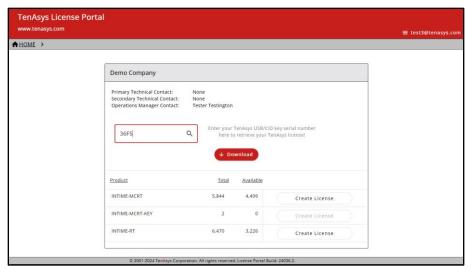


Figure 5.9 - TenAsys License Management portal license count and selection

Click to select the license type desired for this activation.

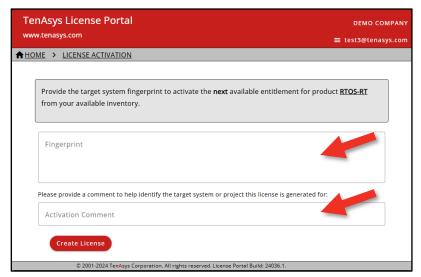


Figure 5.10 - TenAsys License Management portal fingerprint entry

6

Paste the fingerprint from the target host into the open field.



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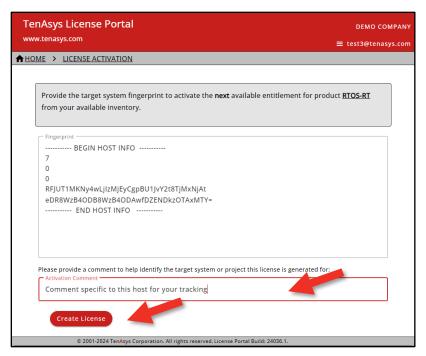


Figure 5.11 - TenAsys License Management portal with fingerprint entered

Enter a tracking comment. Click Create License.

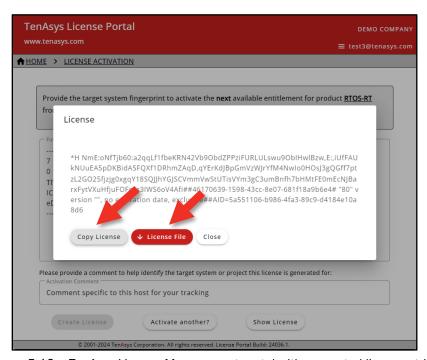


Figure 5.12 - TenAsys License Management portal with generated license string

Use Copy License to paste the license string to a file or License File to save the license string to a file. DO NOT CLOSE THIS PAGE without saving the license string to a file!! Transfer the license file to the target host.

7

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.

Using Inshell: after transferring the license file to the INtime Distributed RTOS disk, use the command line:

licman -i:[license.lic]

Confirm the installation of the license with the command:

license list

Using the built-in web server: after transferring the license file to the browser host, open the License page:

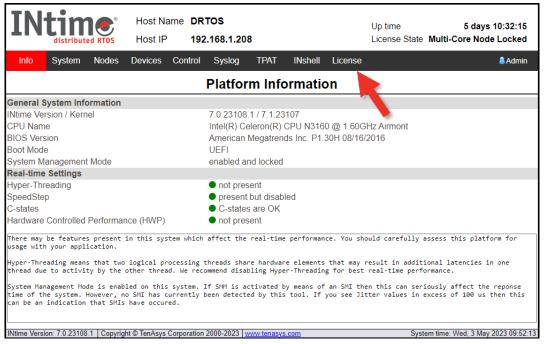
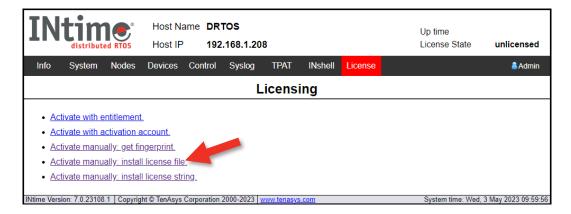


Figure 5.13 - License Management window



8

Figure 5.14 - License Management window

Use Activate manually: install license file to import the license file.

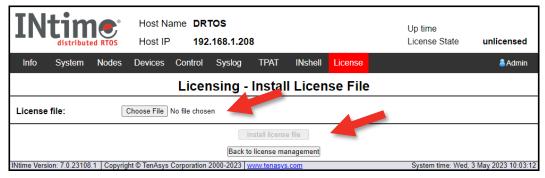


Figure 5.15 - Enter license string window

And select the license file.

Click Install license file.

Click Back to license management to verify the new license.

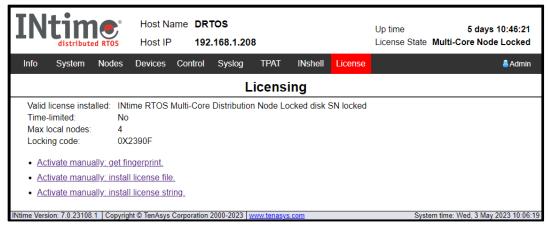


Figure 5.16 - License installed

9