

INtime® Distributed RTOS Licensing
Appendix 6
with Entitlement
using License Portal Procedure
INtime 7

Appendix 6 – with Entitlement using License Portal

Use this procedure to activate with an Entitlement, but without an activation account. The license type is predetermined by the Entitlement.

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 TenAsvs license server.

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

Located in the %INTIMECFG%Iservrc 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 the "Install license..." in the build-in web-server interface or the "Add license..." function 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 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:

license fingerprint

The fingerprint is stored in the /fingerpr.txt file and echoed to the console.

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: rtllq0: 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 rtllg0 to 255.255.255.255 port 67
dhclient: DHCPACK from 192.168.1.1
dhclient: New IP Address (rtllg0) 192.168.1.208
dholient: New Subnet Mask (rtllg0): 255,255,255,d
dhclient: New Broadcast Address (rtllq0): 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 6.1 - 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.

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 on "Configure over
network".

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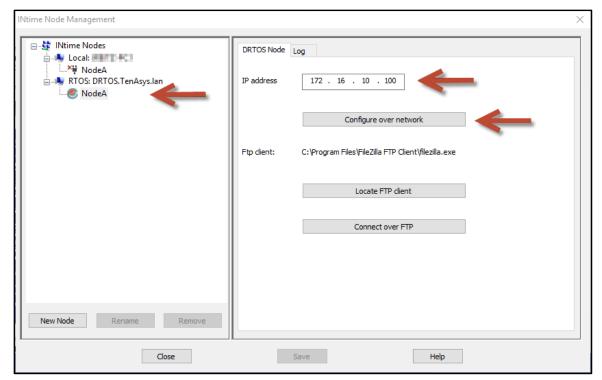


Figure 6.2 - Select the RTOS node with the INtime Node Manager.

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

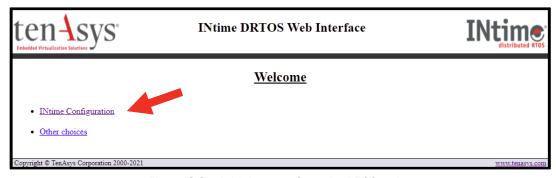


Figure 6.3 - Initial screen from the RTOS web server.

Click on INtime Configuration.



Figure 6.4 - Password screen of the target host's built-in web-server.

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

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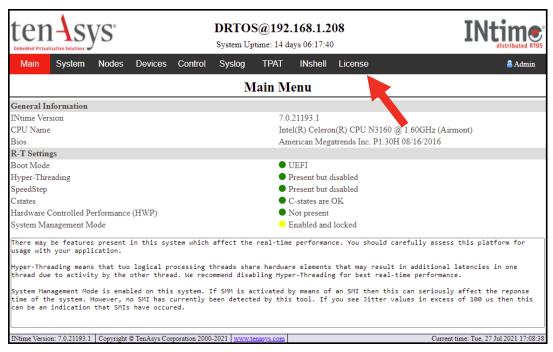


Figure 6.5 - Main screen of the target host's built-in web-server.

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



Figure 6.6 - Activation option screen and activation against TenAsys-server entry screen.

Figure 6.7 - Fingerprint

Use the "Copy to clipboard" button 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://licman_portal/entitlement, the TenAsys License Management portal.

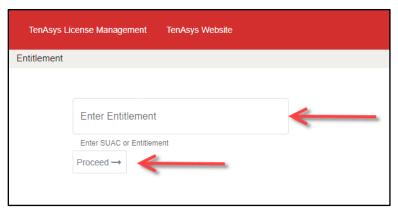


Figure 6.8 - INtime Runtime License Generation portal Entitlement page

Enter the Entitlement.
Click on the "Proceed" botton.



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Figure 6.9 – TenAsys License Management portal fingerprint entry

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

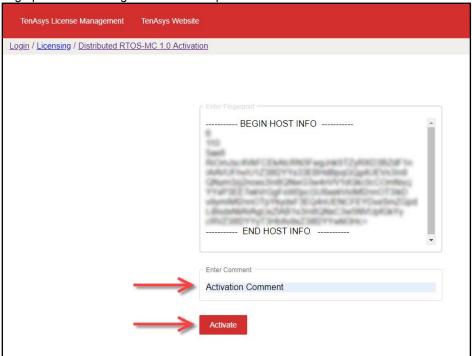


Figure 6.10 - TenAsys License Management portal with fingerprint entered

Click on the "Activate" button to generate a license.

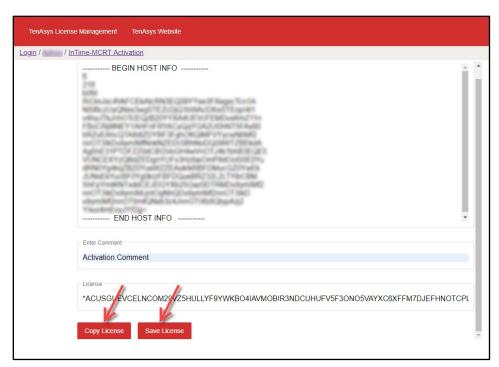


Figure 6.11 - TenAsys License Management portal with generated license string

Use the "Copy License" button to paste the license string to a file or the "Save License" button 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 new target host.

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:

license add <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:

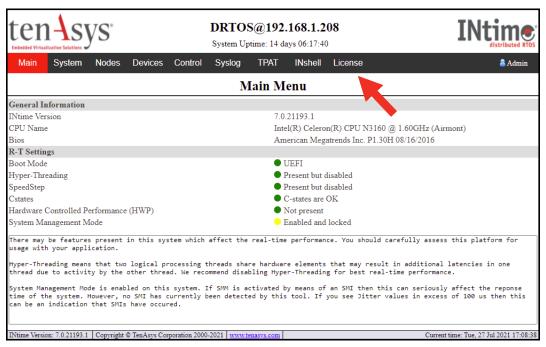


Figure 6.12 – License Management window



Figure 6.13 - License Management window

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



Figure 6.14 - Enter license string window

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And select the license file. Click on the "Install license file" button.

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Click on Back to license management to verify the new license.



Figure 6.15 - License installed

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