



INtime[®] Distributed RTOS
Licensing Policies
INtime 7





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Introduction

TenAsys licensing policy is designed to protect you and TenAsys from illegal copying of your and our intellectual property.

This document outlines the processes and policies that have been put in place to support the license protection schemes to address two environments, a development license for the development and a run-time node-lock license for production.

These policies and processes have been in place for many years and have proven to address all known situations. There are however always new situations and our goal is to ensure that our processes meet your current and on-going needs. We therefore welcome you to contact us if you are experiencing difficulties in executing the prescribed processes.

By website: www.tenasys.com/my-tenasys/create-support-case/
http://www.tenasys.com/contact_us/enquiry/

By email: sales@tenasys.com
Or: license@tenasys.com
Or: support@tenasys.com

By phone:
International: +1 (503) 748-4720
USA toll free: +1 (877) 277-9189
Between the hours of 8:00 and 17:00 hours
PST/PDT - Pacific Standard/Daylight savings Time (UTC -8/-7).

Europe: +49 (89) 45 46 9 47 - 0
Between the hours of 8:00 and 17:00 hours
CET/CEST – Central European [Saving] Time (UTC +1/+2).



Loss of USB/CID keys

USB/CID keys are unique and cannot be replaced. It is therefore very important that they are secure at all times.

Production Environment

Run-time License Activation

Action

To deploy an INtime Distributed RTOS application, an INtime Distributed RTOS license must be activated on the target host. Hosts that are not activated will not be able to run INtime Distributed RTOS applications.

Run-time & Multi-core run-time

Run-time licenses must be purchased before they can be downloaded from the license server in the process to activate a target host. The cost of a run-time license varies with the volume purchased per year. Multi-core run-time licenses can also be purchased to support more than two (2) instances of INtime on a single target host. Non-multi-core licenses will only allow two (2) instances of INtime to run on a multi-core processor.

Purchase of run-time licenses can be arranged by contacting sales. See the Introduction section for phone numbers and email address.

After a license agreement has been signed and licenses have been purchased, a list of Entitlements, one for each purchased license will be provided. Entitlements are used during the activation process to:

1. Identify the kind of license that needs to be issued.
2. Record the issuance of the license against a valid account.

See the Operations Manager guide on how to retrieve the list of Entitlements on-line.

Activation Methods

There are several ways to “activate” a target host. Node-lock activations are done after INtime Distributed RTOS installation. Internet activation is the easiest node-lock activation to implement with prompts for either activation account or Entitlement. If the target host cannot be connected to the Internet, use the license portal activation. Using an activation account automates license management. The use of the Entitlement is recommended to provide control for each license activation.

The USB/CID run-time key is another option that has distinct advantages. See the USB/CID run-time Key section for details.

Node-locked activation methods:	Using Activation Account	Using Entitlement
Interactive License Manager	Appendix 1	Appendix 2
Command line (script)	Appendix 3	Appendix 4
License Portal	Appendix 5	Appendix 6

USB/CID key locked (pre-activated): [Appendix 7](#)

Node-lock

Run-time Licenses

Node-lock run-time licenses are not available for systems using RAID. Select a USB/CID run-time key instead. Run-time licenses must be purchased before they can be downloaded from the license server in the process to activate a target host.

Activation Process

The process of “activation” consists of capturing a “fingerprint” from the target host, sending that “fingerprint” to a license server and then loading the license string generated by the license server onto the target host.

The activation must be performed for every target host because the node-lock license string is unique for each target host.



Interactive Activation

Interactive activation is the default method of activation. The target host must be connected to a network that has access to the internet and the pop-up screens provide guidance through the process.

See [Appendix 1](#) for detailed instructions on how to perform an interactive internet activation with an activation account from the INtime distributed RTOS built-in web server.

See [Appendix 2](#) for detailed instructions on how to perform an interactive internet activation with an Entitlement from the INtime distributed RTOS built-in web server.

Command Line Activation

See [Appendix 3](#) for detailed instructions on how to perform an internet activation with an activation account from the INtime RTOS INshell command line on the RTOS host.

See [Appendix 4](#) for detailed instructions on how to perform an Internet Activation with an Entitlement from the INtime RTOS INshell command line on the RTOS host.

License portal activation

This process is for users that cannot or do not want to have the target host connected to the internet for security or other reasons.

The process consists of capturing the “fingerprint” from the target host and copying this “fingerprint” to a system that has access to the internet. Open the license portal at <http://activate.tenasys.com/activate/activate.aspx> in an internet browser. Provide the “fingerprint” to the license portal. Copy the returned license code onto the target host.

See [Appendix 5](#) for detailed instructions on how to perform a license portal activation with an activation account.

See [Appendix 6](#) for detailed instructions on how to perform a license portal activation with an Entitlement.

Field Service Considerations

Every run-time node-lock license string is unique to a licensed host and is not transferable. Replacing licensed host hardware will require the purchase of a new run-time node-lock license. Changing part of the licensed host, such as the hard disk drive, on which INtime is activated could invalidate the run-time node-lock license string. A new run-time node-lock license string for the licensed host might need to be generated using one of the listed methods.

USB/CID Run-time Key

Users that wish to have the additional copy protection security of a hardware key as well as the means of being able to swap out hardware in the field with no license interruption can purchase USB/CID run-time Keys. Activation can be done off-line making this method attractive for secure locations. The license uses a USB/CID key and a matching license string.

The USB/CID run-time key includes a fixed cost for each USB/CID key.

See [Appendix 7](#) for detailed instructions on how to activate a USB/CID run-time key license.