



Customer Operations Manager Guide to TenAsys License Administration





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1 Introduction

TenAsys licensing policy is designed to protect TenAsys intellectual property from illegal copying or unauthorized use.

This document outlines the processes that have been put in place to support the license protection schemes and to manage purchased deployment licenses and options to obtain the license. A single person, most often the Customer Operations Manager of the company, should have this role. This person has a login and password to determine how licenses are obtained during INtime deployment installation.

- Section 2 defines key license components – this is a **reference**.
- Section 3 details the various options for obtaining a license with the license portal. This is a **decision guide** to select the best option for your operation. Please give this selection some thought because changing your selection may have implications that make subsequent changing difficult.
- Section 4 provides step-by-step instructions for **using** the license portal as the Customer Operations Manager.

Go to section 4 for TenAsys License Portal login instructions.

This guide covers new capabilities. 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/
www.tenasys.com/contact_us/enquiry/

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

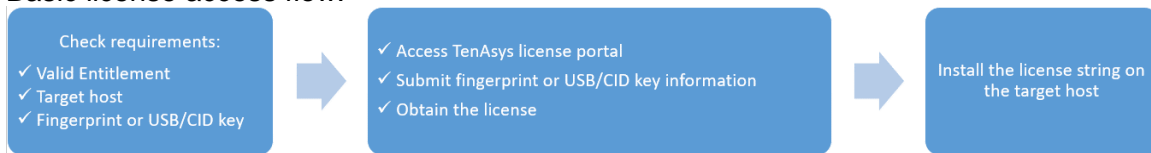
By phone:
International: +1 (503) 748-4720
USA toll free: +1 (877) 277-9189
Between the hours of 8:00 and 17:00 hours
PST/PDT - Pacific Standard/Daylight savings Time (UTC -8/-7)

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)



2 TenAsys Software License Process Concepts

Basic license access flow:



Definitions:

- **Deployment host** – the computer on which TenAsys software is desired to execute and a corresponding license created and applied.
- **Development host** – the computer on which TenAsys SDK software is installed and a corresponding license created and applied.
- **USB/CID key** – a USB dongle-based license. Note that a USB/CID key and license pair can be used on any host eliminating the need for future host license cycles. Licenses based on a USB/CID key are transferrable between hosts.
- **Entitlements** – the purchased rights to obtain a license for any given host. Entitlements are stored and managed by the TenAsys License Portal accessed via the internet. Entitlements were previously called SUACs.
- **Fingerprint** – the obfuscated details a given host which is used to create a corresponding license.
- **License string** – the string created by the TenAsys License Portal which enables TenAsys software to execute on a designated host.
- **License Code** – the string provided on a license card for USB/CID keys.
- **License Manager applet** – in the INtime Configuration Panel, also referred to as licman.exe.

Identifying license components:

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

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

01234567-89AB-CDEF-0123-456789ABCDEF

Used once to activate a node-locked license from the TenAsys license portal.

License String: [*]<alphanumeric license string>[# “16” version “”, no expiration date, exclusive]

Located in the %INTIMECFG%\servrc file after activation.

- ACGFACGACGACGACGACGACGACGACGACGACGACGACGACG# “16” version “”, no expiration date, exclusive
- <alphanumeric license string> = Classic License used for USB/CID keys without Vendor License GUID
- *A<alphanumeric license string>[# “4/16” version “”, no expiration date, exclusive##*] = License used for node-locked license without Vendor License GUID
- *I<alphanumeric license string>[# “4/16” version “”, no expiration date, exclusive##*] = License for Intime for Windows 7+ with Vendor License GUID
- *H<alphanumeric license string>[# “80/81” version “”, no expiration date, exclusive##*] = License for Intime Distributed RTOS 7+ with Vendor License GUID

License Code: 5x<6 alphanumeric characters> separated by dashes

Also known as the Combined Development License code (CMBL).

120004-9K9A70-9K9A70-EXJ05Q-EXJ05Q

Used to activate a USB/CID Key. Expands into a classic License String.

Process steps in provisioning hosts to be made ready for use.

1. **Obtaining entitlements** – According to the sub-licensing agreement, TenAsys customers must procure the appropriate license products for deployment of their application. TenAsys license products are sold only to TenAsys customers. End users, or any other entity other than the TenAsys customer, may not procure licenses from TenAsys unless specifically designated by the TenAsys customer (e.g. their contract manufacturer).
2. **Obtaining fingerprint or USB/CID key data** – TenAsys products provide the means to acquire a copy of the fingerprint for the purpose of managing host licenses. Some licensing options will automatically transfer the fingerprint data. Other options require the collection of the fingerprint to be transferred to the TenAsys License Portal.
3. **Obtaining the license** – Is completed when both entitlement and fingerprint are presented to the TenAsys License Portal resulting in the creation of the license string corresponding to the host from which the fingerprint data was acquired.
4. **Installing the License String/Code** – Is accomplished by either importing the License String or License Code using the license manager applet on the host or saving the License String to the designated LSERVRC file located in the %INTIMECFG% directory.



3 TenAsys License Portal option selection guide

3.1 *TenAsys License Portal Login options*

3.1.1 *Accounts*

There are two different types of accounts for each TenAsys customer:

- Customer Operations Manager account
- Delegate User account

3.1.2 *Customer Operations Manager Account*

There is a single Customer Operations Manager login for each TenAsys customer account. This Customer Operations Manager determines how each purchased license is obtained for a deployment host.

There are two basic Entitlement management methods:

1. Obtaining a license using an Entitlement (Recommended)
2. Obtaining a license using a user account (either the Customer Operations Manager or Delegate User)

There are also three options to obtain a license:

1. Interactive option within the License Manager applet for INtime for Windows or the web-based interface for INtime Distributed RTOS.
2. Licman command line option suitable for including in a script
3. TenAsys License Portal for off-line deployment hosts

3.1.2.1 *Entitlement management methods*

The two basic Entitlement management methods: using Entitlements (was SUAC) or using user accounts, both existed on the Legacy License Portal and are preserved with compatibility with the TenAsys License Portal.

1. Entitlement provided by the Customer Operations Manager. This is the **preferred** method to control each Entitlement and should be used when providing a license to a third party.
2. With a Delegate User account. All license installations are done with a Delegate user account where the Delegate User (or script) logs in with a login and password set by the Customer Operations Manager with the TenAsys License Portal. The Delegate User selects the product from the available Entitlements.
3. **A mix of the two methods is not supported at this time.** An Entitlement provided to a SW installer might be used by a second SW installer using a Delegate User account before it is used by the first SW installer. Entitlements are not reserved.

The Customer Operations Manager provides Entitlements to the SW installer, if the Entitlement method is used. No credentials are needed.

The Customer Operations Manager creates logins for trusted Delegate Users if the Delegate User account method is used.



To change the default in the License Manager applet from a prompt for a Delegate User account to prompt for an Entitlement do one of the following:

- 1) Click **Go to Entitlement** in the login page.
- 2) Install INtime with the command line option: "AUTHCODEACTIVATION=1".
- 3) Create a file named "LicmanConfig.txt" in the %INTIME%bin directory with the single line: "ActivationType=entitlement". The default is "ActivationType=login". If this file does not specify the action, it is determined by the registry value as described in the KB article: [Configuring INtime for Windows to prompt for 'Internet Activation'](#)

Obtaining a license can be done by the Customer Operations Manager directly. The Customer Operations Manager account can be used as a Delegate User account.

3.1.2.2 Options to obtain a license

There are 3 options for obtaining a license:

1. The License Manager applet in the INtime Configuration Panel for INtime for Windows or the web-based interface for INtime Distributed RTOS. This is the easiest option. It requires interaction by the SW installer and a connection to the Internet.
2. Command Line (for scripting) is the choice when the installation process is automated, and the host is connected to the Internet.
3. License Portal (for off-line hosts) requires more steps and supports obtaining a license for hosts that are not connected to the Internet.

3.1.2.3 Entitlement management summary

The Customer Operations Manager can view and download the status of each purchased Entitlement. If the Entitlement has been used, the License String, option used, comment, and other information is available. With this access, the Customer Operations Manager can manage the process of obtaining a license.

Host connected to internet?	Node-locked options:	With Delegate User account	With Entitlement
YES	Interactive License Manager	Appendix 1	Appendix 2
YES	Command line (script)	Appendix 3	Appendix 4
NO	TenAsys License Portal	Appendix 5	Appendix 6

USB/CID key locked: Appendix 7

The Appendix references apply to each product: INtime for Windows and INtime Distributed RTOS in the licensing procedure documents for each. These appendix documents can be found on the [Policies](#) page on the TenAsys.com website.

3.1.3 With Entitlement

An Entitlement is used to obtain a license for a deployment host. Each Entitlement is for a specific purchased license type, so no license type selection is required or possible. The use of the Entitlement method is recommended to provide control of each license.

3.1.4 With Delegate User account



A Delegate User account is used by the INtime installer to obtain a license for a deployment host when an Entitlement is used from the pool of Entitlements without individual selection. This method allows a selection between license types of all available Entitlements. It is not possible to restrict a Delegate User account to one product when multiple products are available. This option should only be used for trusted Delegate Users.

The Customer Operations Manager must decide which method is used:

1) Entitlement method

<< OR >>

2) Delegate User account method

Using both methods on one account is **not** supported at this time.

If both methods were to be used, the Delegate User account could consume an Entitlement that has been distributed but not yet consumed. The Delegate User account method does not provide for individual Entitlement selection.

3.2 Options to obtain a Node-locked License

Node-locked deployment licenses are not recommended for hosts configured to use RAID. Some system vendors configure the BIOS for RAID, even if the system does not use RAID. The node-locked license will be invalid after reloading the Windows OS.

Purchase a USB/CID key deployment license to ensure the license remains valid after any system change. It is a small investment to improve future system maintenance.

A license must be obtained for every deployment host because the node-locked license string is unique for each deployment host.

There are three ways to obtain a license. Each of these three ways can use either option: with Delegate User accounts or with Entitlements.

The Appendix references below are intended for the SW installer and apply to each product: INtime for Windows and INtime Distributed RTOS in the licensing policy documents for each. Please use the appropriate document as the screen shots and procedures vary. These appendix documents can be found on the [Policies](#) page on the TenAsys.com website.

3.2.1 Graphical User Interface

The License Manager applet is the default option of obtaining a license for INtime for Windows. A web-based interface is provided for INtime Distributed RTOS. The deployment host must be connected to a network that has access to the internet and the GUI provides guidance through the process.

See **Appendix 1** for detailed instructions on how to obtain a license with a Delegate User account using a Graphical User Interface.

See **Appendix 2** for detailed instructions on how to obtain a license with an Entitlement using a Graphical User Interface.



3.2.2 **Command Line**

The command line option is used when it is desired to obtain a license using an automated script or command line.

See **Appendix 3** for detailed instructions on how to obtain a license with a Delegate User account using a licman command line script.

See **Appendix 4** for detailed instructions on how to obtain a license with an Entitlement using a licman command line script.

3.2.3 **TenAsys License Portal**

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

The process consists of capturing a “fingerprint” from the deployment host and copying this “fingerprint” to a computer that has access to the internet. Open the TenAsys License Portal at license.tenasys.com in an internet browser to use an Entitlement or to use a Delegate User account. The page contains an option to switch modes. Provide the “fingerprint” to the TenAsys License Portal. Copy the returned license string onto the deployment host.

See **Appendix 5** for detailed instructions on how to obtain a license with a Delegate User account using the TenAsys License Portal.

See **Appendix 6** for detailed instructions on how to obtain a license with an Entitlement using the TenAsys License Portal.

3.2.4 **Field Service Considerations**

Every deployment node-locked license is for a specific deployment host and is not transferable. Replacing a deployment host will require the purchase of a new deployment node-locked license. Changing part of the deployment host, such as the hard disk drive, will invalidate the node-locked license for that deployment host. A new node-locked license for the deployment host will need to be generated using one of the listed options. Therefore, we recommend the purchase of a USB/CID key deployment license.

Node-locked deployment licenses are not recommended for hosts configured to use RAID. Some system vendors configure the BIOS for RAID, even if the system does not use RAID. The node-locked license will be invalid after reloading the Windows OS. Purchase a USB/CID key deployment license to ensure the license remains valid after any system change. It is a small investment to improve future system maintenance.

3.3 **How to obtain a USB/CID Key Deployment License**

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 a USB/CID key deployment license. Retrieving a license can be done off-line making this option attractive for secure locations. The license uses a USB/CID key and a corresponding License String or License Code.

The Appendix reference below is intended for the SW installer and applies to each product: INtime for Windows and INtime Distributed RTOS in the licensing policy



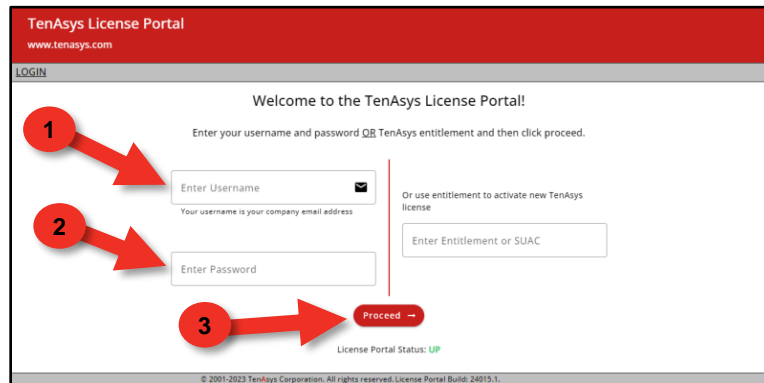
documents for each. Please use the appropriate document as the screen shots and procedures vary.

See **Appendix 7** for detailed instructions on how to retrieve a USB/CID key deployment license.

4 TenAsys Customer Operations Manager Guide

4.1 Login

Open a browser on an internet connected deployment host to license.tenasys.com/login, the TenAsys License Portal.



Enter the Customer Operations Manager account *Username* and *Password* established on the account at TenAsys. There is only one login per customer account that is designated as the Customer Operations Manager. The current Customer Operations Manager can find their *Username* and Initial *Password* when logged in to the [TenAsys.com](https://tenasys.com) website, on the [My Account](#) page. The *Username* is the email address listed as the Operations Manager Contact. The Initial *Password* is listed just below Operations Manager Contact.

My Account Information

Business Account Information:

You are associated with the following account at TenAsys

Company Name:	WP Sample 1 - Current
Company Location:	city, state, USA
Licensing Identifier:	
Primary Technical Contact:	
Secondary Technical Contact:	
Operations Manager Contact:	

Operations Manager Initial Password for the TenAsys License Portal

Username for License Portal:		←
Initial Password for License Portal:		
TenAsys License Portal URL:	license.tenasys.com/login	

Click **Proceed**

On the first login, a prompt might appear prompting to update the password. The password can be changed at any time with the “Change Password” link in the menu dropdown on the right side of the header.



TenAsys License Portal

www.tenasys.com

test1@tenasys.com

HOME

CHANGE PASSWORD

Password Requirements:

- Be 8 to 30 characters
- Include 1 uppercase character
- Include 1 lowercase character
- Include 1 number OR special character (!@#\$%^&*()_+)

Enter Current Password

Enter New Password

Confirm New Password

☐ Show Passwords?

Update Password

Back

Go To Login

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The account page shows the number of **Total** and **Available** Entitlements for each product.
 The difference is the number of Entitlements already used. USB/CID key licenses are created before the keys are issued and shown on separate lines with **-KEY**.

TenAsys License Portal

www.tenasys.com

test1@tenasys.com

HOME

Demo Company

Primary Technical Contact:

None

Secondary Technical Contact:

None

Operations Manager Contact:

Tester Testington

Product	Total	Available	
INTIME-MCRT	8,717	5,320	Create License
INTIME-MCRT-KEY	324	0	Create License
INTIME-RT	8,396	2,832	Create License
INTIME-RT-KEY	946	0	Create License
RTOS-MCRT	1,787	406	Create License
RTOS-MCRT-KEY	163	0	Create License
RTOS-RT	1,677	1,092	Create License
RTOS-RT-KEY	646	0	Create License

Serial Number

Enter your TenAsys USB/CID key serial number here to retrieve your TenAsys license!

Manage Users

Entitlement Details

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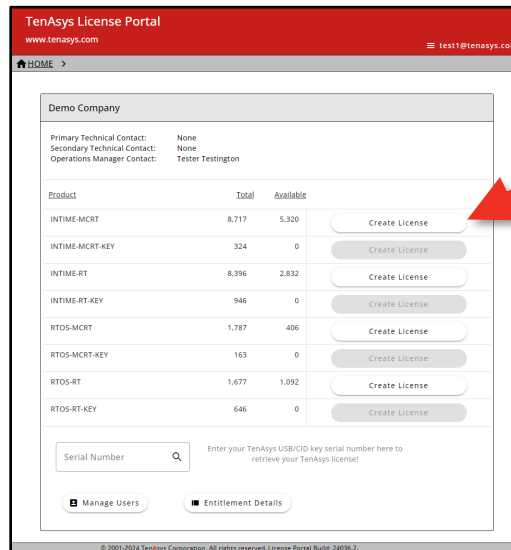
4.2 Obtaining a license as Customer Operations Manager

If the Entitlement method is used, skip this section. Using the process in this section can make an Entitlement that has been provided to a user unavailable to them.

After logging in, the Customer Operations Manager can obtain a license with **Create License**.

This is the same procedure as obtaining a license with a Delegate User account using the TenAsys License Portal as described in [Appendix 5, License Portal with a delegate user account](#).

Note that USB/CID key based license strings are created before the keys are issued. See the section: [Finding License Strings for USB/CID keys](#).



TenAsys License Portal
www.tenasys.com test1@tenasys.com

HOME >

Demo Company

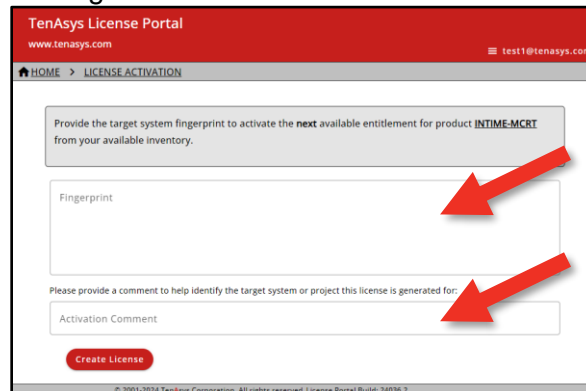
Primary Technical Contact: None
Secondary Technical Contact: None
Operations Manager Contact: Tester Testington

Product	Total	Available	
INTIME-MCRT	8,717	5,320	Create License
INTIME-MCRT-KEY	324	0	Create License
INTIME-RT	8,396	2,832	Create License
INTIME-RT-KEY	946	0	Create License
RTOS-MCRT	1,787	406	Create License
RTOS-MCRT-KEY	163	0	Create License
RTOS-RT	1,677	1,092	Create License
RTOS-RT-KEY	646	0	Create License

Serial Number Enter your TenAsys USB/CID key serial number here to retrieve your TenAsys license!

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The next screen prompts for a Fingerprint and a comment. Note that this is only one of six different options to obtain a node-locked deployment license. Each option has advantages and disadvantages.



TenAsys License Portal
www.tenasys.com test1@tenasys.com

HOME > LICENSE ACTIVATION

Provide the target system fingerprint to activate the **next** available entitlement for product **INTIME-MCRT** from your available inventory.

Fingerprint

Please provide a comment to help identify the target system or project this license is generated for:

Activation Comment

© 2001-2024 TenAsys Corporation. All rights reserved. License Portal Build: 24036.2

Paste the fingerprint and add a comment which is provided for your tracking. This should be a unique string identifying the deployment host.



TenAsys License Portal
www.tenasys.com

HOME > LICENSE ACTIVATION

Provide the target system fingerprint to activate the **next** available entitlement for product **INTIME-MCRT** from your available inventory.

Fingerprint
RU5PVk98MjFDQjAwMEpVU3xMMUhgMjg1MDVIQnxT
MDAyNV8zOEI4ZlxlQzRfMEZNS58KFNOYW5kYXJk
MjYyQjIswedGwMHwwMDI1XzM4QjhfMjFDFNF8wQTM1
Lg==
----- END HOST INFO -----

Please provide a comment to help identify the target system or project this license is generated for:
Activation Comment
Comment that identifies the deployment host

Create License

© 2001-2024 TenAsys Corporation. All rights reserved. License Portal Build: 24036.2

Then click **Create License**.

An Entitlement is consumed and a license is generated.

If a license was already created for this host, do not use Create License again as it will consume an additional Entitlement. Recover the previously created license from the Entitlements page.

TenAsys License Portal
www.tenasys.com

HOME > LICENSE ACTIVATION

License

GZNYXjgVtSiMB9DZCFDNYrS/UDt6iUuI9CZ+K3U6UMD1FZ0UuIMT0U6SD498DQC1BQB/r
ahfir0WpfFjFNBmVhfker1gBQaUSeVSmjxE4LYFwcRZLQ1zt6Ww8VKKTGYXFDXNXIreMN
N55dpQUBQRSQ0lyC4MJBQRSQ0lyBgEBBwEBBCU4YjFiNmYxZC0zNzY5LTRmNGUtYjM
4Ny0zNGUzMMVIOTYzYmQACAEBCUA0pEb2QIrTyBqSAWduDRnWRNOF27es4QUf27bh
em6tMB0xi6G+Y9YwvRzsy6P2gojX0S4wCDZhM4lh55efpLXVCoiOMIIBCgKCAQEAw6vlx
rmYTwtYB7wGjgPwAw//JajbjeKsrRfDiWe9zHQaR316cnp1vm5les4mpyVMdgh8IMJEQzC
N+3yc2P62aFa2FucSklyqI9L16k24j53/koNB/CkrTVkraZye+EB8q3t7dqOa5IPQJqFjXfoAQ
TnKz/XSAmbb2nDWAkTKly+h4h/JftJR46pdhFF59NMZHNwT9d6OJ9VmjsQD6zVdPaEsls
7BRQe/HcZTarH8HkfbTQhVIEzjYQ7UUN57NMFF1tp8tZxfyg+t+/8qVdV2kCSDd+0slxKO
EKacKKY0JUSz8Z9GKEExAmTyrrNiuU5B1Qj/PYwk6gAAAr8=##46170639-1598-43cc-
8e07-681f18-06e4# "16" version, no expiration date, exclusive#AID=bb4c4d28-e
0bf-4788-1-d565377a9fa6

Copy License License File Close

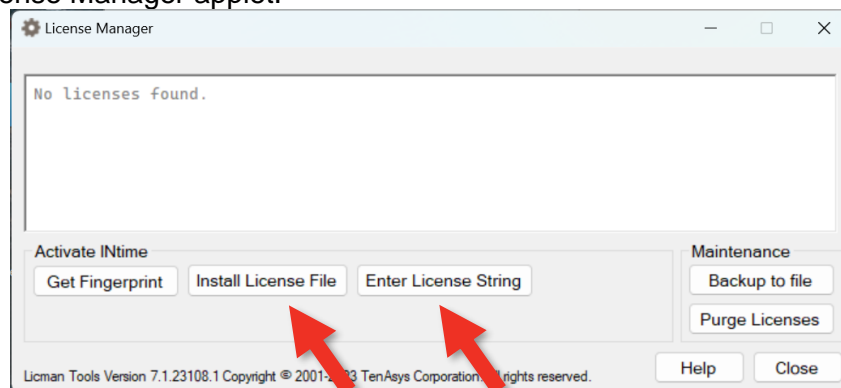
Create License Activate another? Show License

© 2001-2024 TenAsys Corporation. All rights reserved. License Portal Build: 24036.2

Use either **Copy License** or **License File** to capture the license.

If the license is not saved with **Copy License** or **License File**, the license can be recovered by the Customer Operations Manager from the Entitlements page.

Move this License String or License File to the deployment host to enter the string or file into the License Manager applet.

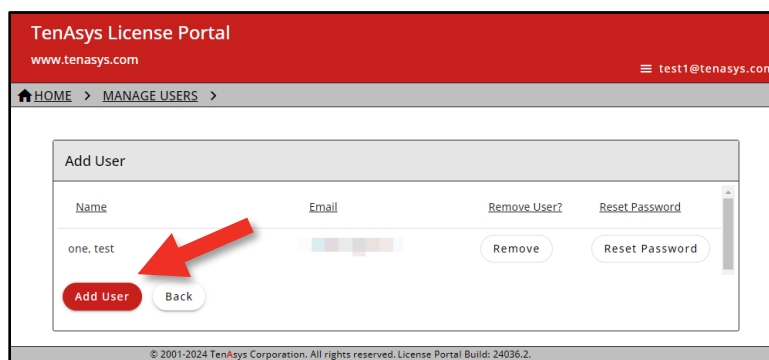
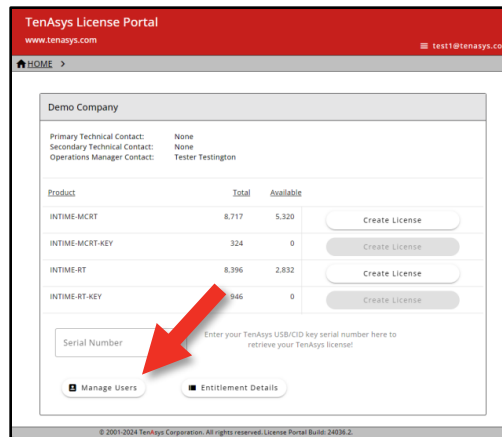


4.3 Manage Delegate User accounts

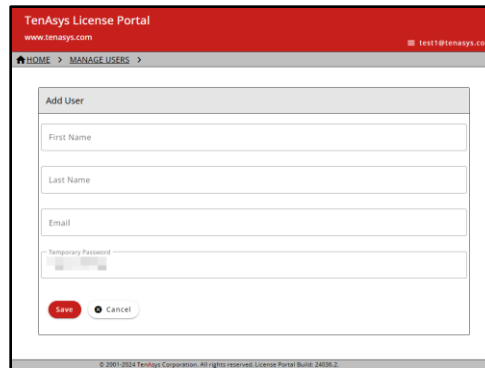
To add or delete Delegate User accounts, click **Manage Users** from the Customer Operations Manager home page. The Delegate User accounts are used to obtain a license for a deployment host.

If the Delegate User account method is not used, skip this section.

A unused Entitlement is consumed for each licensed deployment host. If unused Entitlements exist for more than one product in the account, the Delegate User selects the desired product. Do not provide a Delegate User account login outside your organization. There is no limit for the number of Entitlements consumed from a Delegate User account. Use this method for enabling production without the need to manage individual Entitlements. Use the Entitlement method to maintain control of Entitlement assignment. It is not possible to use both methods on the same account.



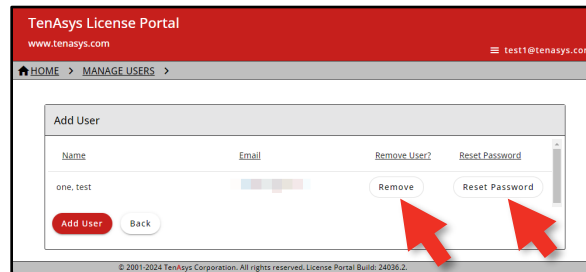
Click **Add** to add a new Delegate User.



The screenshot shows the 'Add User' form in the TenAsys License Portal. The form has a red header bar with the portal name and URL. Below the header, there is a navigation bar with 'HOME' and 'MANAGE USERS'. The main content area contains a form with fields for 'First Name', 'Last Name', 'Email', and 'Temporary Password'. At the bottom of the form are 'Save' and 'Cancel' buttons. A copyright notice is visible at the very bottom of the page.

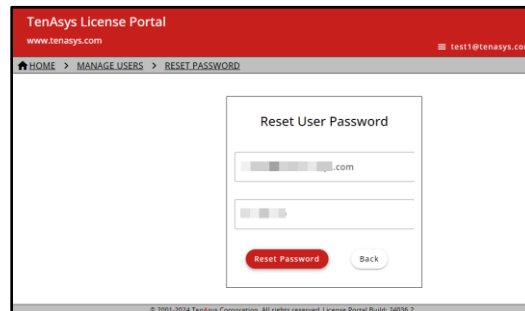
Copy and retain the Temporary Password to provide to the new Delegate User. Enter the new Delegate User's name, and email, then click **Save**.

Click **Remove** to remove a Delegate User. A notice in the header confirms the removal. Click **Reset Password** to reset a Delegate User's password.



The screenshot shows the 'Manage Users' table in the TenAsys License Portal. The table has columns for 'Name', 'Email', 'Remove User?', and 'Reset Password'. A single user is listed with the name 'one, test' and email 'one, test'. Below the table are 'Add User' and 'Back' buttons. Red arrows point to the 'Remove' and 'Reset Password' buttons in the 'Remove User?' and 'Reset Password' columns respectively. A copyright notice is visible at the bottom of the page.

A new temporary password is generated. Provide this password to the Delegate user. When the Delegate User first uses this password to log in, they will be prompted to change their password.

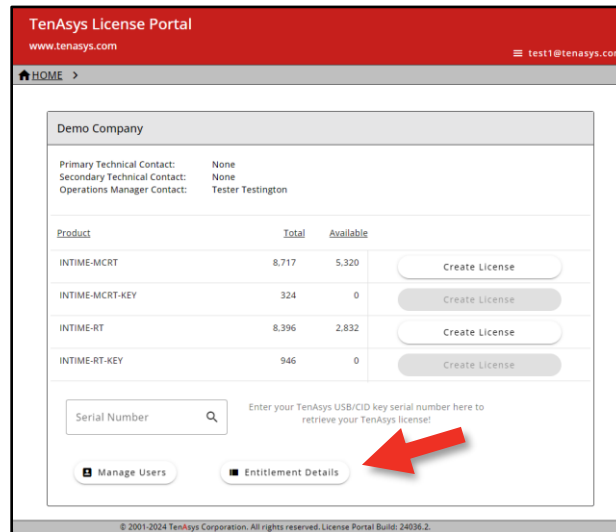


The screenshot shows the 'Reset User Password' form in the TenAsys License Portal. The form has a red header bar with the portal name and URL. Below the header, there is a navigation bar with 'HOME', 'MANAGE USERS', and 'RESET PASSWORD'. The main content area contains a form with fields for 'Email' and 'Password'. At the bottom of the form are 'Reset Password' and 'Back' buttons. A copyright notice is visible at the bottom of the page.

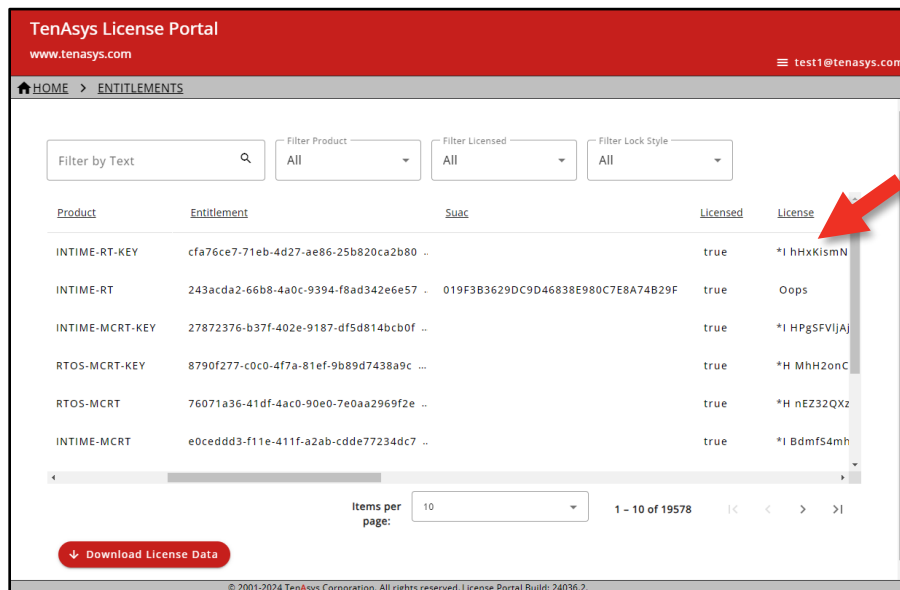


4.4 Finding Entitlements or License Strings.

From the Customer Operations Manager home page:



To view Entitlements, click **Entitlement Details**.



Note that clicking on an Entitlement or some other element in the table will open a copy pop-up showing more of that element and the option to **Copy** or **Close** the pop-up. Using this option allows the pasting of the element into another application. This is useful to retrieve unused Entitlements and License Strings.

Some columns can be sorted by clicking the column title that shows an arrow when hovered over.

The Filters provide a way to narrow the list to the entry of interest.



The **Search Text:** filter line shows only lines that match the text on limited columns.

TenAsys License Portal
www.tenasys.com

test1@tenasys.com

HOME > ENTITLEMENTS

Filter by Text: ddf2

Filter Product: All

Filter Licensed: All

Filter Lock Style: All

Product	Entitlement	Suac	Licensed	License
INTIME-MCRT	ddf2c3b-49f8-4df4-a572-c88da5c44452 ...		true	*1 17SebWiaUSzl/DI
INTIME-MCRT	ddf25-77c-4356-af73-ac9648bae888 ...		false	
INTIME-RT	14737893-d146-40f8-9b0f-2ec1ddf2d ...		false	
INTIME-RT	31ba103e-ce2d-455e-9c9b-075077cddf2		false	
INTIME-RT	13d5bd89-31df-4f57-8997-e2eba4a41a44 . 0136918D100828433E9207DDF2A80C27F		true	*AB8NKQIAZJ5ULV

Items per page: 10

1 - 5 of 5

Download License Data

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The three filter selectors provide a quick way to narrow down the list of Entitlements.

The first filter: **Filter Product** selects from the available products.

The second filter: **Filter Licensed** selects from All, True, or False to show only used or unused Entitlements.

The third filter: **Filter Lock Style** selects from All, USB/CID Keys, or Node Locked to show Entitlements for USB/CID or Node Locked only.

All four filters can be used at the same time to find the Entitlement of interest.

TenAsys License Portal
www.tenasys.com

test1@tenasys.com

HOME > ENTITLEMENTS

Filter by Text: ddf2

Filter Product: INTIME-RT

Filter Licensed: True

Filter Lock Style: Node Locked

Product	Entitlement	Suac	Licensed	License
INTIME-RT	13d5bd89-31df-4f57-8997-e2eba4a41a44 . 0136918D100828433E92007DDF2A80C27F		true	*AB8NKQIAZJ5ULV

Items per page: 10

1 - 1 of 1

Download License Data

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4.5 Finding License String/Code for USB/CID keys

USB/CID key locked licenses strings are created before the keys are issued. The License Strings are in the account data base. The License String/Code is unique for each USB/CID key. There are 4 ways to obtain the License String:

1. The License Code as well as a QR link is provided on the license card provided with the USB/CID key. See Appendix 7 for details.
2. Without the license card, open a browser to license.tenasys.com/gr and Use the Username and Password of the Operations Manager or a Delegate User along with the USB/CID Deployment Host Key serial number to obtain the USB/CID Deployment Host Key Enhanced License String or License Code. The Enhanced License String includes the Licensing Identifier GUID in INtime 7 and later. See the INtime License Library for details.

TenAsys License Portal
www.tenasys.com

LICENSE LOOKUP

INTIME USB/CID License Retrieval Portal Access

You may access the digital license content by applying your account credentials here, OR by other means referenced in these documents.

- [INTIME for Windows INTIME-RT/MCRT Licenses](#)
- [INTIME Distributed RTOS-RT/MCRT Licenses](#)

Enter USB/CID Serial Number
XXXXXX-XXXXXX-X

Enter Username
Your username is your company email

Enter Password

Contact your Operations Manager if you need assistance logging in.

[Proceed](#)

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TenAsys License Portal
www.tenasys.com

LICENSE LOOKUP

INTIME USB/CID License Retrieval Portal Access

To use the license(s) below:
Enter the License String with "Install License File" or "Enter License String" in the License Manager applet, opened from the INtime Configuration Panel.

Enhanced License:

```

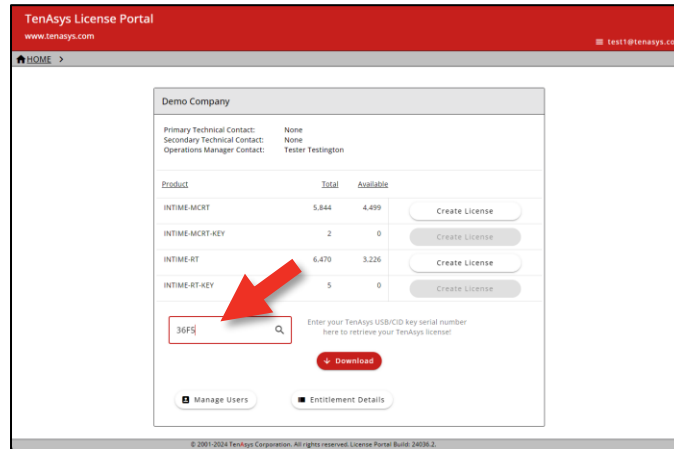
*1
vZfRwJ331/0Lkx0K10y0cLagf1j3b0nUwGpG1m4yJkK4tWkR/U/0KLBVNaTpnGu23Mc5blAd4P0PvITyBV5UvB
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11Em7ezwQMK3jdaR+gvo3CecAmA0C2m99yWiq9Kc844EU176m02aoS8LEdu9Sv8Bf0SuhS3vo2qLwQKd2j
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VUUTx6ny992610K0pblhGm3gR0zm3y9FJ5096qd/A70VAupf1a2XKR2u2CpASXT-Dm95/2Q0upBtxjwRozUp
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+Yudv6PehAw4u16mIG108uXK1N+X66Q242K5Kp508FAN6tpGKyDA+Kp4T833KncTYmccawFOAMG2XAZ63nxPhAU
UKN0RgudCQJEUKN0RgY8AQcBAQUL0G2Y12mmWqThzc106082JN1Lw100ctH2RHz12L2K2h3JAAgBAJANXK9K
K8BakqfFmg0L1kTm9u305Fh9u24K0uz2ApmYuvwPM6K7m95p0K1SEpma2Y2U7ee06S11Q0CJCCAQ0Cg
EBAP025ca3mE8Nc0e8B0408ALv/421m431kX0Xw41nvck0Gkd9m36db3u2Kz03qclTHYIZfCDCK0K0f0BnJ+mmw
t0m6p3cqv9PepmU1+d/3X0Q2wP0B12K2mcmvMAK7e3aJmU270CmY136AEE5ys/18p3m29pw1g25pvcv0IfyX04
  
```

License Code (if applicable): 179CQ6-RF9XI0-ODA01R-FRGY1A-CE0482

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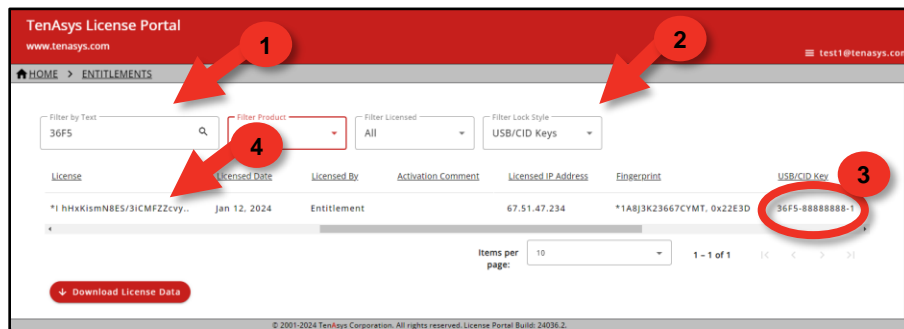


3. The License String/Code for a given USB/CID key can also be found by the Customer Operations Manager or Delegate User (see section 5.3) by using the search window on the Account page:



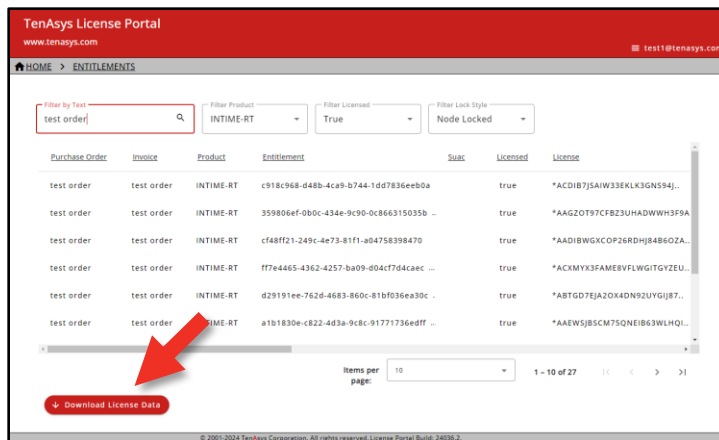
4. Use the search capabilities in the Entitlement Details page with the **Filter Lock Style** set to **USB/CID Keys**. To find the License String for the USB/CID key:

1. Enter the 4 or 5 hex digit USB/CID key serial number in the **Search Text** filter (arrow 1).
2. Select **USB/CID keys** (arrow 2) to eliminate other license lock styles.
3. The matching USB/CID keys are shown (bubble 3).
4. Click the License (arrow 4).
5. Copy the License String with **Cop** in the pop-up.



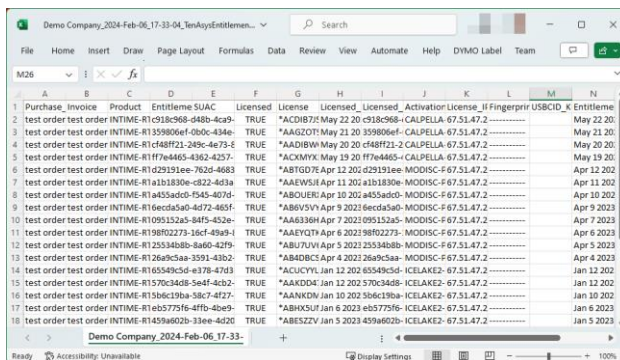
4.6 Exporting License data.

The Customer Operations Manager can also retrieve a list of all of the License Strings in a spreadsheet using **Download License Data**.



If there are many records, the download will be split into multiple parts.

All of the information can be viewed in a spreadsheet application.



5 TenAsys Delegate User Guide

5.1 Login

Open a browser on an internet connected deployment host to license.tenasys.com/login, the TenAsys License Portal.

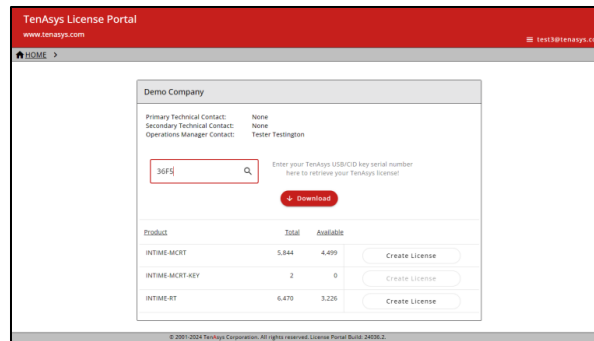
Enter the Delegate User account *Username* and *Password* established by the Customer Operations Manager. The current Customer Operations Manager creates the users and passwords when logged in to the license.TenAsys.com website.

Click **Proceed**

The password can be changed at any time with the link in the header.

The account page shows the number of **Total** and **Available** Entitlements for each **Product**.

The difference is the number of Entitlements already used. USB/CID key licenses are created before the keys are issued and shown on separate lines with **-KEY**.



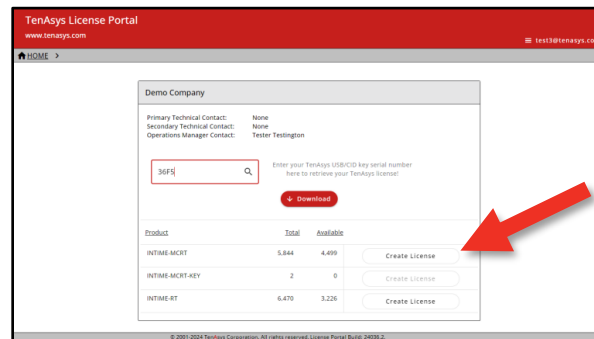
5.2 Obtaining a license as Delegate User

The use of Entitlements is recommended over Delegate User accounts.

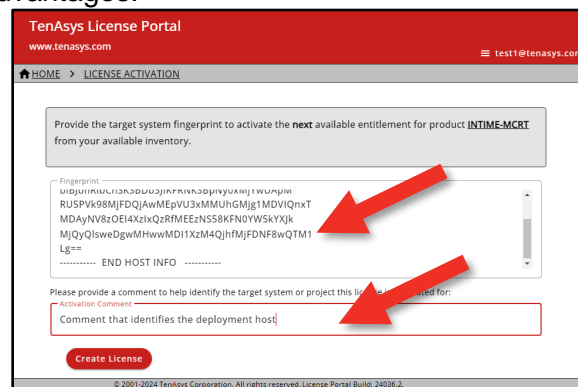
After logging in, the Delegate User can obtain a license by clicking **Create License**.

This is the same procedure as obtaining a license with a Delegate User account using the TenAsys License Portal as described in [Appendix 5, License Portal with a delegate user account](#).

Note that USB/CID key based license strings are created before the keys are issued. See the next section: [Finding License Strings for USB/CID keys](#).



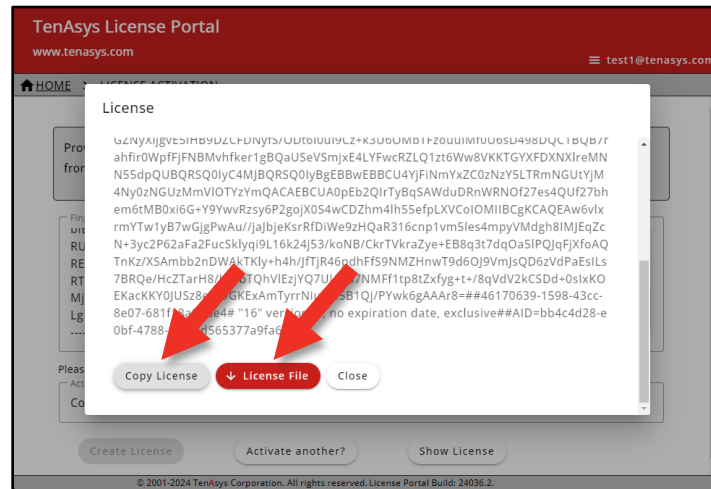
The next screen prompts for a Fingerprint and a comment. Note that this is only one of six different options to obtain a node-locked deployment license. Each option has advantages and disadvantages.



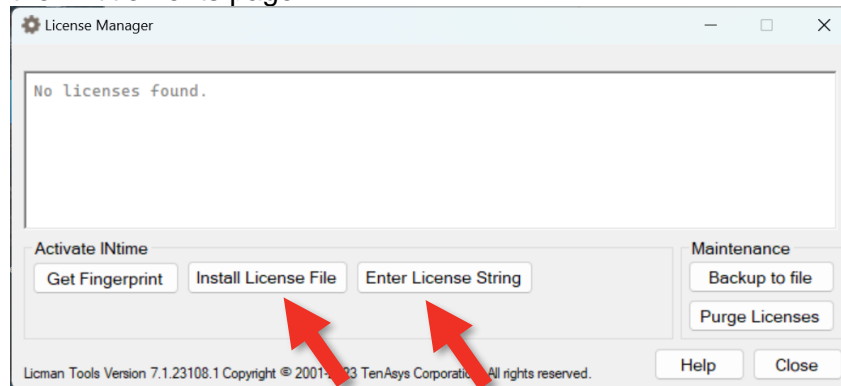
Paste the fingerprint and add a comment which is provided for your tracking.

Then click **Create License**.

An Entitlement is consumed and a license is generated.



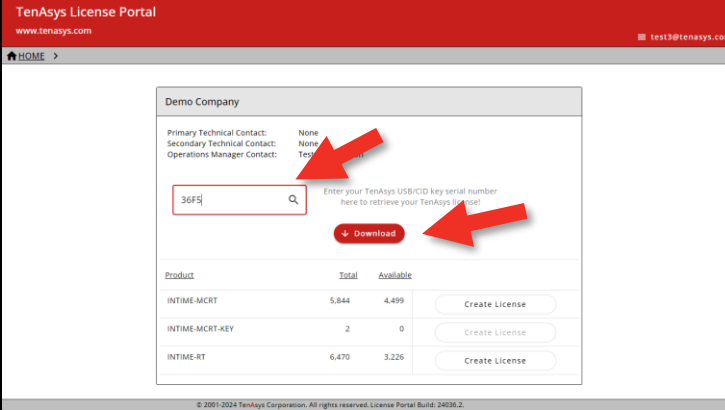
Use either **Copy License** or **License File** to capture the license. Move this License String to the deployment host to enter the string or file into the License Manager applet. If the license is not saved at this point, it is available to the Customer Operations Manager in the Entitlements page.



5.3 Finding License Strings for USB/CID keys.

USB/CID key locked license strings are created before the keys are issued. The License Strings are loaded into the account data base. The License String is unique for each USB/CID key.

The License String can be retrieved by using a Delegate User account. Enter the 4-5 hex digit USB/CID serial number on the page after login.



TenAsys License Portal
www.tenasys.com

HOME >

Demo Company

Primary Technical Contact: None
Secondary Technical Contact: None
Operations Manager Contact: None

36F5

Enter your TenAsys USB/CID key serial number here to retrieve your TenAsys license.

[Download](#)

Product	Total	Available	
INTIME-MCRT	5,844	4,499	Create License
INTIME-MCRT-KEY	2	0	Create License
INTIME-RT	6,470	3,226	Create License

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Clicking **Download** downloads a CSV file with the License String(s) for the USB/CID serial number. There may be more than one USB/CID key with the same 4-5 hex digit serial number. Find the line in the CSV file that matches the entire serial number.