

# DIVER SOLUTION LICENSING



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Dimensional Insight

# DIVER SOLUTION LICENSING

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If a version of DiveLine that uses encryption is running, administrators must be aware that allowing users outside the United States to access data via certain DI-Clients qualifies as exporting encryption software (either the client executable or the Java applet sent to the browser). Export or re-export of encrypted software must be in accordance with the Export Administration Regulations. Diversion of encryption software contrary to U.S. law is prohibited.

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# DIVER SOLUTION LICENSING





# Chapter 1

# Product Registration

## Introduction

Dimensional Insight (DI) uses a Software Product Registration system to ensure that only those authorized to use DI software can do so. The product registration key must be requested and installed before the software will run.

## Manual Outline

This manual is intended for use when registering the The Diver Solution™ suite of products. It does not apply to Unicode-enabled and Limited software available in the Asia-Pacific region. A separate document, *Diver Solution Lease Licensing*, is available for these.

This chapter describes the types of software and registration keys available, the basics of how to manage your keys, and sample product registration steps.

**Chapter 2, User Licensing**, discusses Tiered User Licensing and how it works within The Diver Solution suite.

**Chapter 3, DI-License-Admin**, explains the usage of DI-License-Admin, the application used to request and track your license keys.

## Additional Documentation

Additional general topics and information for customers can be found in the following companion manuals:

- *Diver Solution Installation* – presents steps and checklists for installing The Diver Solution software suite.
- *DI-Glossary* – provides terminology commonly used in The Diver Solution.
- *The Diver Solution Overview* – provides a description of The Diver Solution and its many components.

## Support

If needed, your administrator can contact Technical Support to obtain assistance, available from 7:00 AM to 5:00 PM Central Time. End users should refer Diver questions to their DiveLine administrator. See Table 1-1 for information on how to contact Technical Support.

**Table 1-1: Technical Support Contact Information**

Customer Type	Phone	Fax	Email
Domestic Users	920-436-8299	920-433-2378	support@dimins.com
International Users	+1-920-436-8299	+1-920-433-2378	international@dimins.com

# Obtaining Software & Documentation

The first step in using The Diver Solution suite of software is to obtain the software, documentation, and release notes from Dimensional Insight. These are available from DI Download as two separate bundles: one for software written in C, compiled on various platforms; and one for software written in Java.

To obtain the distribution files, proceed as follows:

1. Request a login username and password for the DI Customer site from your customer service or sales representative.
2. Once you have received your login information, go to <http://www.dimins.com>.
3. In the menu bar, click **Login**.
4. Select **Customers**.
5. Log in using the username and password that you were provided.
6. Click the **DI-Download** link.
7. Find the needed software in the list, and click the point release link (6.4.46, for example) to launch the download.

You will notice that the zipped software will have a name such as `solution-c-6.4.46-winnt.zip`, or `solution-c-6.4.46-linux.zip`, depending on the target platform. Java-compiled software is not platform-specific, and as such, a platform will not be included in the zip file name.

8. After the software is downloaded, click the browser's **Back** button, and click the **Documentation** link to download the product documentation and the **Release Notes** link to obtain the product release notes.

## Registration Keys, Software Types, and Locks

There are two different Registration keys that can be requested: a Solution Key, or a Developers Key.

A **Diver Solution Key** applies to all software in The Diver Solution suite of products. When a Diver Solution Key is requested, it will register the following products: DiveLine (by port), Data Integrator, Builder, and DiveMaster. The Diver Solution Key also specifies Tiered User Licensing, which dictates the number of users by Level of Functionality per implementation. See **Chapter 2, User Licensing** for more information.

A **Developer Package Key** applies to only those products that are used in data manipulation and Model design. When a Developer Package Key is requested, it will register the following products: Data Integrator, Builder, DiveMaster, ModelSplitter, and DI-Production.



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DiveLine server licenses based on your purchase contract include two additional Advanced users reserved for Dimensional Insight administrative use.

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A registration key, whether a Solution Key or a Developers Key, employs different registration types and locks to reflect its use. The software registration types available are Perpetual and Trial, and the locks imposed are Expiration Date, Maintenance Date, and Machine ID.

- **Perpetual** software is defined by the number of users and servers allowed by your maintenance contract with DI, and allows, in perpetuity, the use and upgrade of all software compiled prior to the termination of the maintenance contract. Maintenance renewal will require generation of a new key for additional upgrades. Perpetual software requires both Maintenance Date and Machine ID locks. Perpetual software will continue to run on the original machine beyond the maintenance date, but without upgrades.
- **Trial** software is limited to a short duration of time, as dictated by the Expiration Date lock, and is limited in the allowable number of registered users.
- The **Expiration Date** lock specifies when the key will become invalid. The application will need a new key in order to function after this date. Please note that licenses expire at the beginning of the month — e.g., 03/2014 is 03/01/2014 not 03/31/2014.

- The **Maintenance Date** lock checks to see when the installed software was compiled and compares that date to the expiration of your maintenance contract with DI. If the software was compiled *before* the maintenance contract expiration date, it will work. If it was compiled *after* that date, it will fail.
- The **Machine ID** lock restricts the software to a particular machine by specifying a string unique to that machine in the registration key. Because the string is unique to one machine, if the key is used on a different machine it will be invalid and the software will fail. Therefore, each component requires a license key for each system it will be installed on. The Machine ID string is different for each operating system. A **DI exportinfo** utility is used to determine the string (see **Import Machine Info on page 3-13**). The DI applications themselves will also display the Machine ID if the registration check fails.

The table below shows the Software Types and the locks that are employed by each.

**Table 1-2: Locks used by Software Types**

Registration Type	Expiration Date	Maintenance Date	Machine ID
Perpetual	NO	YES	YES
Trial	YES	NO	NO



When license validity is checked at startup, valid application-specific licenses are checked ahead of Diver Solution licenses. For example, a DiveLine-specific license will be checked before a Diver Solution license that includes DiveLine.



If Diver Solution is installed on a virtual machine, moving the virtual machine is likely to require a new license.

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## Key Management

There are two methods available to you for managing licensing keys:

- DI-License Admin
- Command Line options

### DI-License-Admin

DI-License-Admin, an application that runs on Microsoft Windows, is used to request and manage product registration and user licenses. The Windows machine must have access to the Internet. You must request this application prior to submitting your license request by contacting your DI sales representative. For information on its usage, see [Chapter 3, DI-License-Admin](#).

### Command Line Tools

In addition to DI-License-Admin, two other applications are available for managing license keys.

The first is **exportinfo**, which when run on a specific machine, reports the Machine Name, the Machine ID, and the Operating System. This application can be used on various platforms, including Windows, AIX, Linux, Solaris, and OS/400, and provides a DI license registrar with the information needed to generate the appropriate key for the type of software being requested.

The second is the **register** tool. The register tool can be used to register a license using the following:

```
register <filename>.license
```

The register application has two additional options: “-l” and “-d”, for list and delete respectively. Both options require an argument specifying the product to be used. The argument “all” can be used to refer to all applications. For example, the command:

```
register -l all
```

will list all of the keys which have been registered on the machine.

Similarly:

```
register -d all
```

will delete all installed keys after listing each installed key and asking for delete confirmation.

## Managing Components

In UNIX/Linux environments, the application components can be used to handle most of the key management.

The command line option “-install\_license” takes the key filename as an argument — for example:

```
integ -install_license integ-windows-e201412.trial
```

If the key in the file is sufficient, the key will register the software. If the key is insufficient however, the software is not registered and information is displayed indicating why the registration failed.

The simplest check of the validity of the software comes from doing a version check, using the “-v” command line option:

```
integ -v  
di-diveline.exe -p <portnum> -v
```

If the necessary keys have been applied, this command will simply display the version of the software. However, if a valid key has not been used, it will indicate why the registration check failed.

The application will also display the data required to provide a new key: product, platform, version, and Machine ID.



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While the Machine ID is not required for a Trial key, in some cases a Trial key may be replaced with a Perpetual key, and the Machine ID will then be needed.

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A second command line option, “-cc”, gives almost the same information as the “-v” option if the registration check fails:

```
integ -cc  
di-diveline.exe -p <portnum> -cc
```

The main difference is that the software type, usually Perpetual or Trial, is included in the version line. In addition, if the registration succeeds, the “-cc” option gives information about the key that the “-v” option omits. For Trial software, the key’s Expiration Date is given. For Perpetual software, the Machine ID and Maintenance Date are displayed. This allows you to check when the key should be renewed for upgrade support.

## Special Licensing for Diver

Diver keys for trial versions of the DI-Diver application can be registered directly in the software. The procedure is as follows.

1. Run DI-Diver on the installation machine. When Diver starts, you will be presented with the Licensing dialog with the following text:

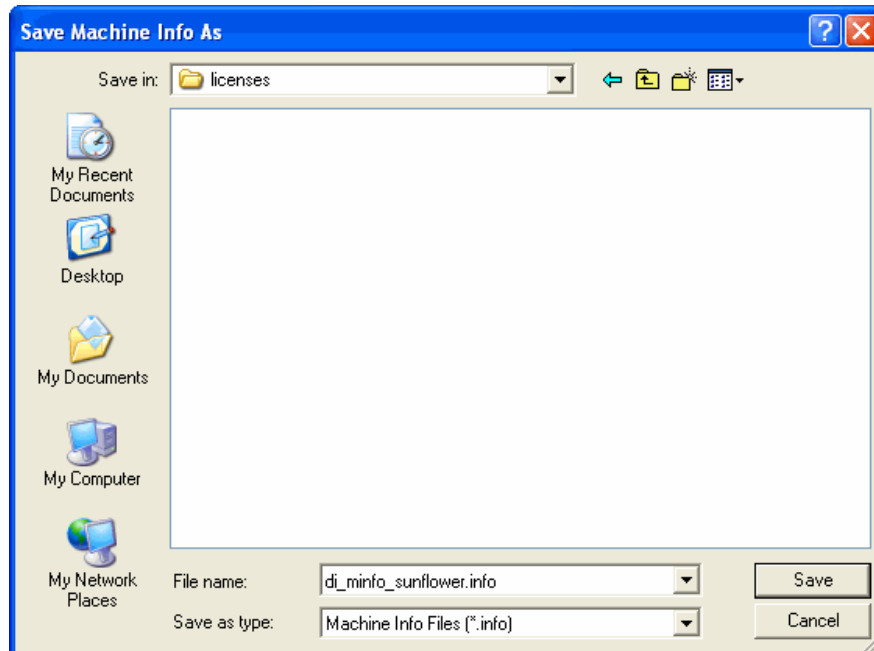
"Diver must be registered with a license file obtained from your Diver Administrator.

If you do not have a license file, please click on the "Export Info..." button, save the machine info files, and email it to your Diver Administrator. When the license file is sent back to you, please follow the instructions below.

If you have a license file, please click on the "Register..." button and select the license file.

If this does not successfully register Diver, please obtain the DI-License-Admin utility from you Diver Administrator to check for and delete any invalid licenses."

2. Click **Export Info** to open the **Save Machine Info As** dialog, and save the machine information file (.info).





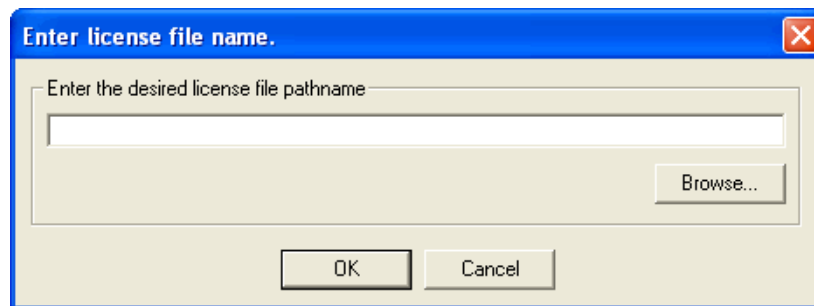
The info contained in this file (machine name, machine ID, and operating system of the installation computer) will be sent to the DI License Registrar in the next step.

3. Submit a Diver key license request to DI, following the procedure outlined under **Import Machine Info on page 3-13**.

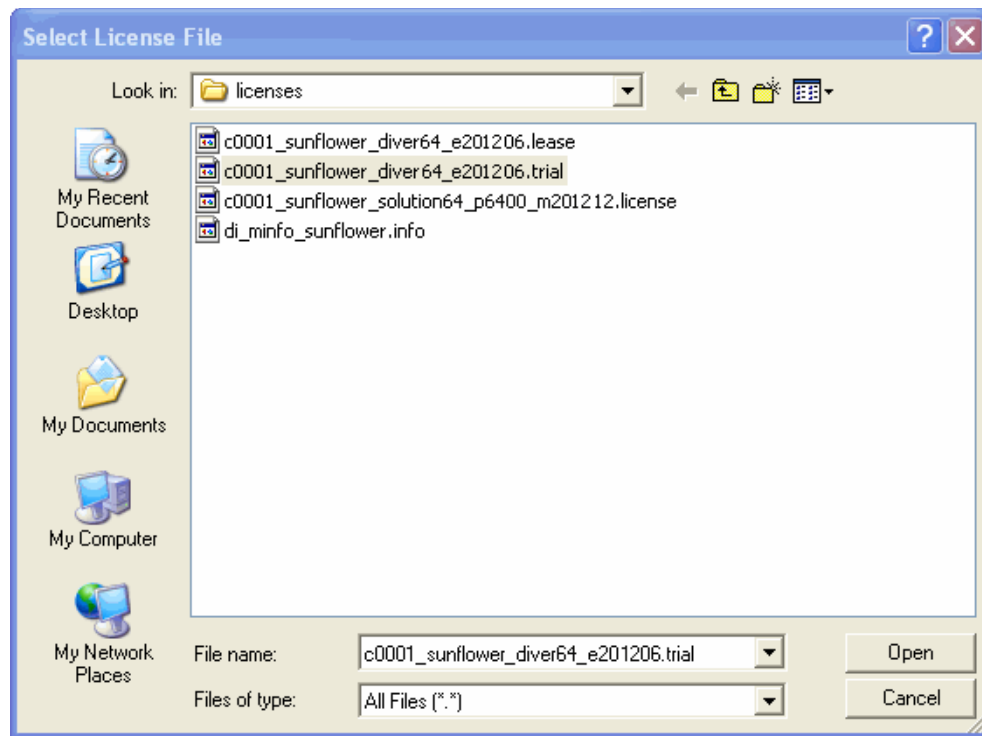


Separate machine information files and license requests are required for each installation machine.

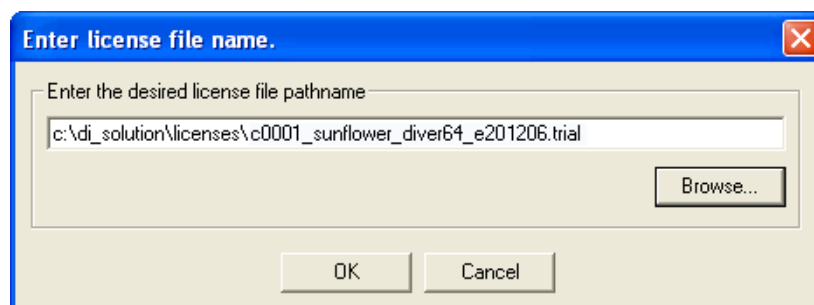
4. After receiving your license file(s), click the Register button on the Licensing dialog to open the **Enter license file name** dialog.



5. Browse to the new license file and click **Open**.



6. With the correct license selected, click **OK**.



The software is now licensed for use on the machine specified in the license file.

7. Go to **Help > About** to view the license information. The dialog below indicates an expiration date of 6/2012.



8. Repeat steps 1–7 for each instance of DI-Diver that you wish to license.

## DivePort Components and Applications

DivePort uses DiveLine tiered user licensing for most functionality, but requires special licensing for some components and applications such as Input Tables and Libraries. Please contact Technical Support to obtain the licenses needed for these features.

## Sample Registration Steps

The following procedures in this section describe how to register DI software on different servers and operating systems:

- Windows server
- UNIX server

### Registering Software on a Windows Server

1. Run DI-License-Admin on the Windows server.
2. Using the Request Licenses tab (see [page 3-2](#)), fill in the following information:
  - a) Who - Account company name, contact name, phone, and e-mail.
  - b) What - Products being requested (using list box, populated from [www.dimins.com](http://www.dimins.com)).
  - For Diver Solution and DiveLine requests:
    - Specify the desired port number. The default is 2130.
    - Request the number of users within each level (Advanced/General/Casual), if known; otherwise, the license registrar will find this information for you.
  - Add any additional comments (for example, “needed by January 5th” or “setting up Joe’s machine”).
  - If requesting a guest login, specify as a comment.
  - If you purchased additional licensed options, specify in the comment box.
  - DI-License-Admin automatically fills in the Machine Name, Machine ID, and platform/OS.
3. Click the **Submit** button to send the request to [license-registrar@dimins.com](mailto:license-registrar@dimins.com).



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This can only be done if connected to the network. See [Requesting a License Without a Connection on page 3-7](#) for instructions when not connected to the network.

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The request is opened by a DI license registrar.

The registrar gathers any additional needed information:

- a) Maintenance Date
  - b) Number of users at each level (if not specified in the request)
  - c) Customer ID
4. The registrar uses all information (e-mailed and gathered) to create a registration key.
  5. The key is sent to you by the registrar via e-mail.
  6. Using the DI-License-Admin “Manage Licenses” tab (see [page 3-9](#)), install the newly obtained registration key.

The license is now installed and the software is ready to use.

## Registering Software on a UNIX Server

Once the DI software has been located on the UNIX server, utilities named **exportinfo** and **register** will be available for the licensing process. Follow the steps below to register the software.

1. On the command line, type **exportinfo** to obtain the server information.
2. Save the server information as `<name>.info`.
3. FTP the saved `.info` file to a Windows server connected to the internet that can run DI-License-Admin.
4. Import the `.info` file using **File > Import Machine Info**.
5. Using the Request Licenses tab (see [page 3-2](#)), fill in the following information:
  - a) Who - Account company name, contact name, phone, and e-mail.
  - b) What - Products being requested (using list box, populated from [www.dimins.com](http://www.dimins.com)).
  - For Diver Solution and DiveLine requests:
    - Specify the desired port number. The default is 2130.
    - Request the number of users within each level (Advanced/General/Casual), if known; otherwise, the license registrar will find this information for you.
  - Add any additional comments (for example, “needed by January 5th” or “setting up Joe’s machine”).
  - If requesting a guest login for DivePort, specify as a comment.
6. Click the **Submit** button to send the license request to the `license-registrar@dimins.com`.



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This can only be done if connected to the network. See **Requesting a License Without a Connection on page 3-7** for instructions when not connected to the network.

---

The request is opened by a DI license registrar.

The registrar gathers any additional needed information:

- a) Maintenance Date
  - b) Number of users at each level (if not specified in the request)
  - c) Customer ID
7. The registrar uses all information (e-mailed and gathered) to create a registration key.
  8. The key is sent to you by the registrar via e-mail.
  9. When you receive the license, FTP it to the UNIX server and run the **register** utility from the command line. For example:

```
register <filename>.license
```

The software is now licensed for the UNIX server.



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If you are upgrading your license on a UNIX system, you must first delete your old license.

---

## Troubleshooting

Certain issues may arise that would cause the software to remain unregistered even after installing the license. Below are some of the potential causes for this behavior:

- The Machine ID may be tied to the NIC, and on non-servers this ID can change. To resolve this issue, contact Technical Support for instructions.
- The version of license-generating software that was used may be newer than the DI software version being installed. From time to time, the software used to generate a key is updated. When this happens, any software older than the updated key generator will not work with keys generated using this update. If this happens, a newer version of the software must be obtained (the recommended resolution). If this is not possible, the registrar must be contacted for a new key.
- For Perpetual software, the Machine ID may have been entered incorrectly when the license was generated, or the software may be installed on a different machine than the one for which the Machine ID was originally provided. Contact Technical Support for assistance.
- For Trial software, the Expiration Date provided in the key may have already lapsed. In this case, contact the registrar for a new key.





# Chapter 2

## User Licensing

The Diver Solution software is licensed by named user and level of functionality.

### Tiered User Licensing

Tiered User Licensing is the application of Named User licenses (see **What is Named User Licensing?** on the next page) with different levels of functionality. This may also be referred to as role-based licensing. There are three tiers (levels) of functionality: Casual, General, and Advanced.

Contracts for The Diver Solution include a determination of the number of Named Users per level of functionality. There is an incremental cost associated with both additional users and higher tiers of functionality.

Tiered User Licensing is controlled by DiveLine license keys and settings. All implementations include tiered licensing by contract and require at least one Advanced user.

DivePort is the only client that accepts a login from Casual, General, and Advanced users and is therefore used as the basis for describing access. See **User Types on page 2-8** for a complete description.

NetDiver accepts logins from General and Advanced users.

ProDiver and ProReporter are intended for Advanced users only.

## What is Named User Licensing?

The Diver Solution uses Named User licensing, not the number of concurrent users. Multiple users can not share the same login. In the Tiered Licensing implementation, there are DiveLine control features to assure Named User Licensing is actually in place.

In the Tiered User Licensing implementation, a user can log in multiple times, but can only do so from a single IP address. If someone is logged in under a user profile (username/password), and a second user attempts to login from a different system with that same username/password, the second login attempt fails. It results in the message: “You are already logged in. Try again after disconnecting your previous session.”

Tiered Licensing requires a login for all Security levels, including Security Level 0. When Security Level 0 is in use, users must log in to all DiveLine clients, but any ACLs present will be ignored and all objects are accessible. For details on security levels, see the separate *DiveLine* manual.

## Implementation of Tiered User Licensing

To create your license, the following must be known:

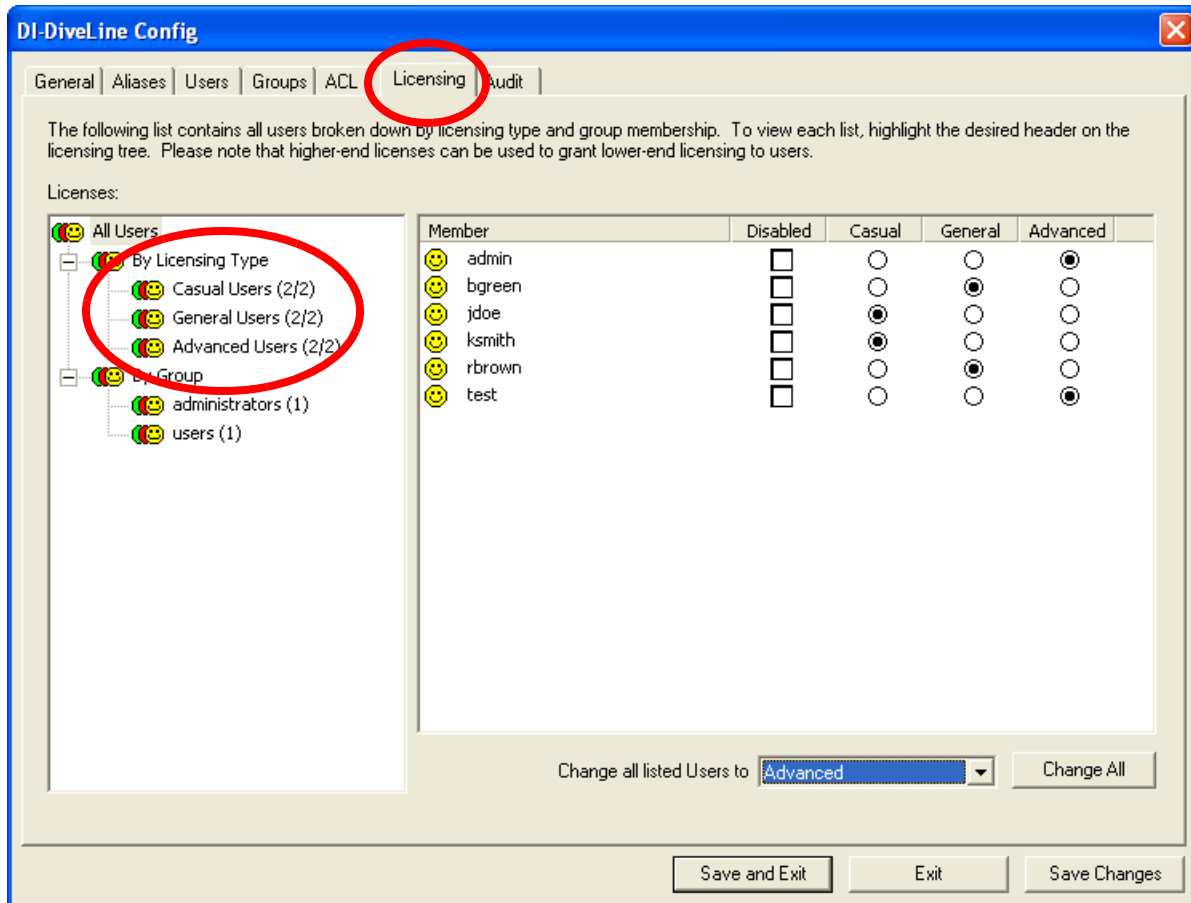
- DiveLine server MAC (Media Access Control) address
- DiveLine port number
- Number and level of functionality for the Named Users

The DiveLine application will be Machine ID-locked and Port-locked by the license. Each instance of DiveLine requires a separate license.

The DI-License-Admin executable, available for Windows servers and described in **Chapter 3, DI-License-Admin**, can be used to submit a license request, install the license once it has been received, and view the properties of installed licenses. When non-Windows licenses are required, there is an additional installation step. See **Registering Software on a UNIX Server on page 1-14**.

Dimensional Insight’s Technical Support group supplies the license file via e-mail after submission of the DiveLine server and port information. Technical Support will use the number of Named User licenses purchased, on record with Dimensional Insight, to create this license file. If upgrading from a version prior to 6.0, all traditional Named Users are considered Advanced users.

The DiveLine server tool, **DI-Config**, is used to support tiered licensing settings via a Licensing tab (see below) that displays users by Licensing Type, number of available users, and number of set users.

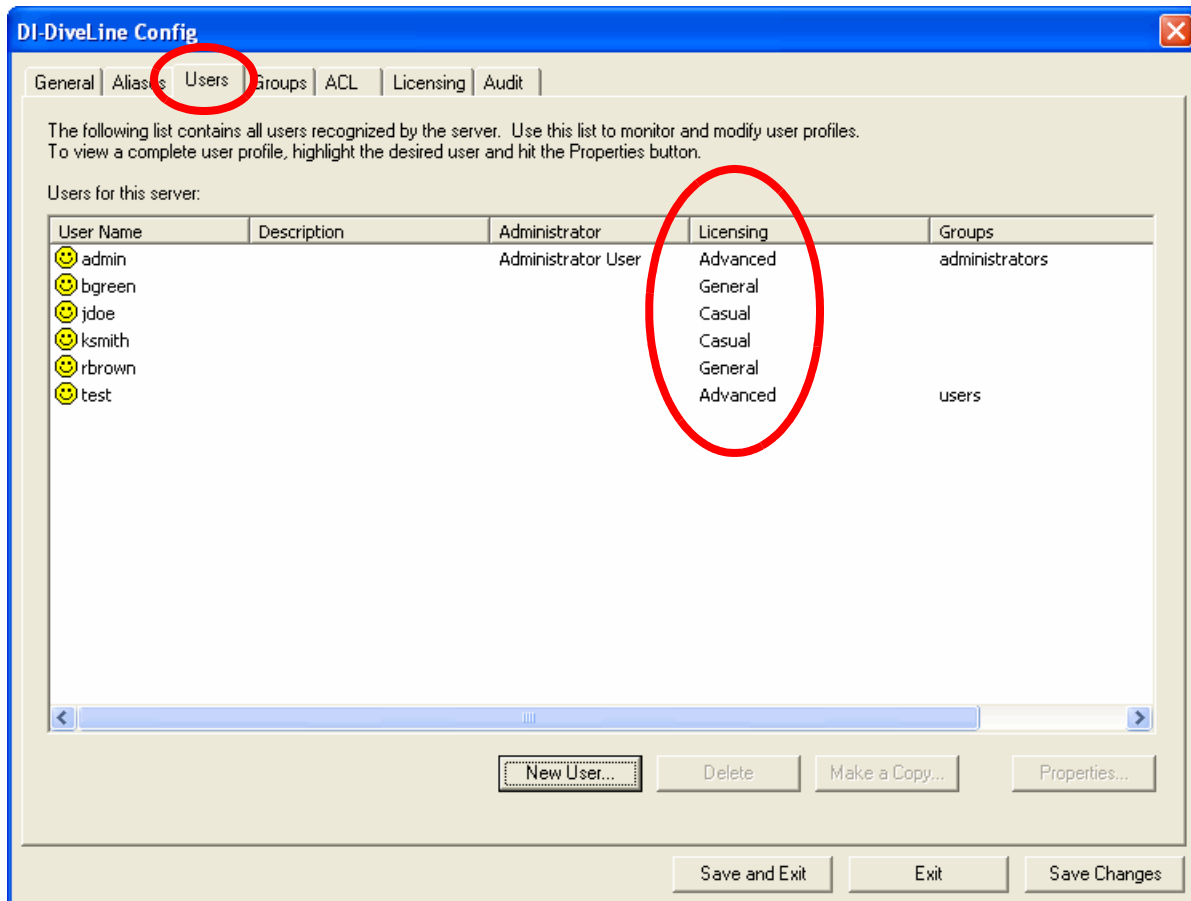


In this example, the licensing is set as Casual/General/Advanced, 2 of each user type, and all licenses are in use, as indicated in parentheses after each user type (2/2).

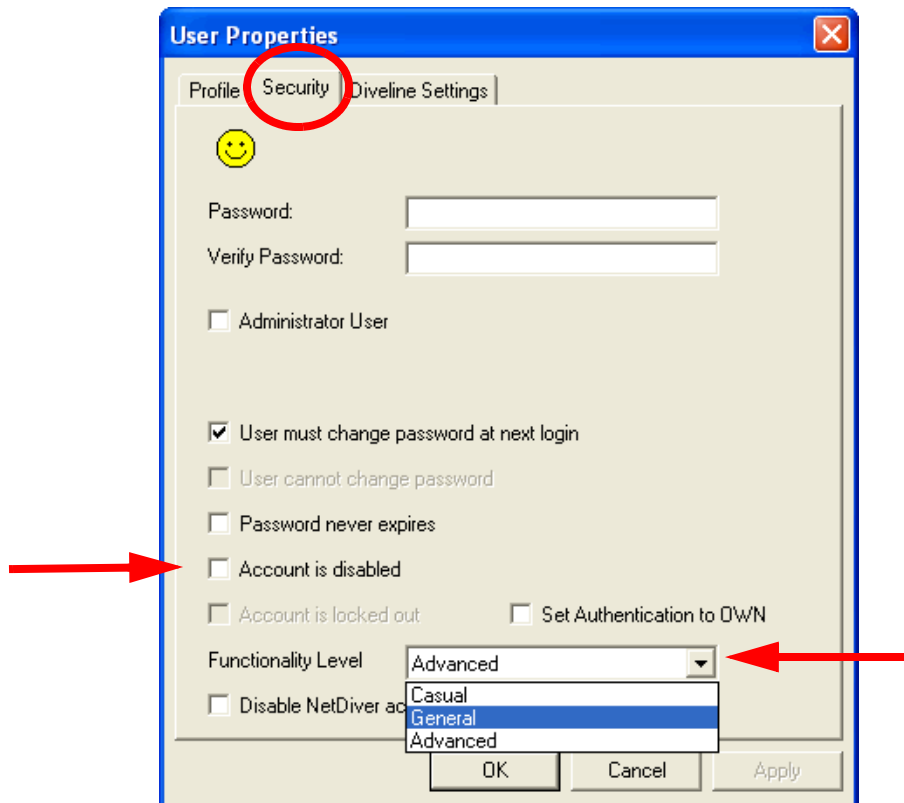
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## Implementation of Tiered User Licensing

Under the Users tab, there is a Licensing column that indicates the User functionality level. Click on the Licensing column header to sort users by License type.



The Security tab within each user profile includes a Functionality Level pulldown setting. Three choices are available: Casual, General, and Advanced. The administrator also has the option to check an account as “Disabled”.



Administrators can freely change a user’s Functionality Level between the available choices.

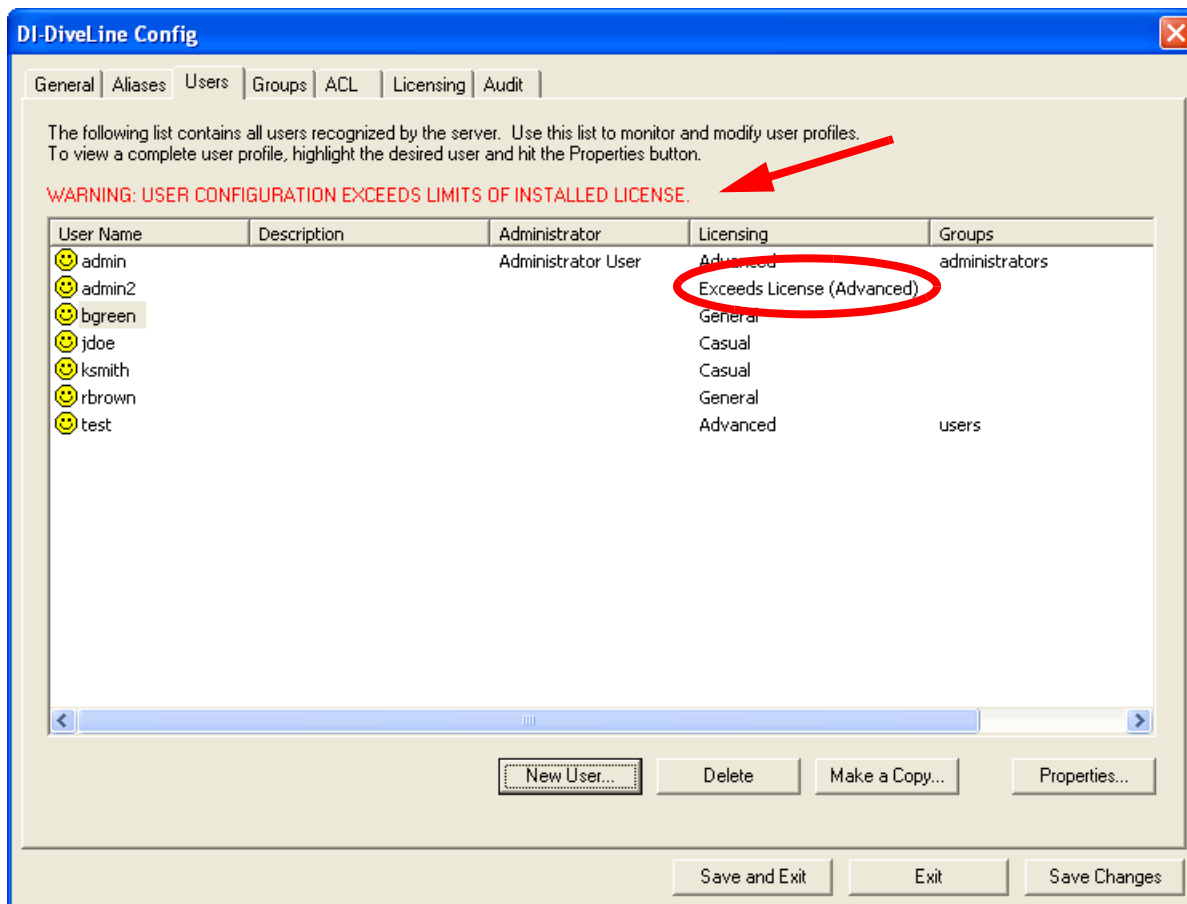
Checking the “Account is disabled” option allows a user profile to exist with all its properties but without enabling that user to login. More importantly, that user is not counted towards the overall licensed user maximum.

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## Implementation of Tiered User Licensing

Once the number of user profiles set per functionality level exceeds the number of Users Available, the Users tab displays the following warning:

**WARNING: USER CONFIGURATION EXCEEDS LIMITS OF INSTALLED LICENSE.**



If the application is forced to determine which user profile exceeds the limits, the determination is done within each functionality level in chronologically reverse order from the time of profile creation; i.e. the newest profile is marked as exceeding the limits. "Exceeds License (<Functionality Level>)" is displayed on that user's row.

For example, a user exceeding the number of licensed Advanced users (the admin2 user in the above graphic) shows "Exceeds License (Advanced)" in the Licensing column. If this is not a user you want disabled, you can either order more licenses or disable a user of the same or higher licensing level, and then enable this user.

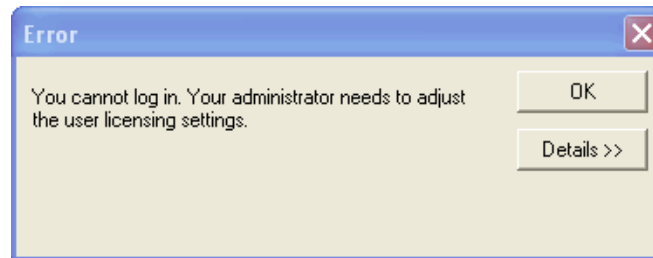


---

The order of user profile creation is apparent in the order of storage of the user profiles within `atlcfg.cfg`. There is also a user attribute stored here, called “level”. If a user profile does not explicitly have this attribute set, for backwards compatibility, Advanced is assigned. If a user profile exceeds the limits of the installed license, this information is not stored in the `atlcfg.cfg`.

---

Users whose profiles exceed the license number or are disabled are not permitted to log in. The user receives the following error message:



DiveLine will record the actual root cause of login failure in its logs.



---

If you have multiple DiveLine servers running in production, the total number of Named Users cannot exceed the number of Named User licenses purchased. You will need to allocate users between servers.

---

## User Types

Three user types with varying levels of access exist within The Diver Solution software. These are:

- Casual
- General
- Advanced

### Casual User

A Casual user has access to reports in DivePort, and can do the following:

- View all Portlet types on a page.
- Filter the displayed data using QuickViews.
- See and use Info and Help Click Actions.
- See and use PDF and Excel Click Actions.
- See and use Pop-up, Portal, and Web Page Click Actions.
- Open Markers in the DiveBook Portlet.
- Open Documents from the Document Manager Portlet.

A Casual user *cannot*:

- Dive or switch Dimensions.
- Use Click Actions not mentioned above.
- Launch NetDiver or ProDiver.
- Use ProReporter or Reporter Portlets.
- Use CellDiver.

If the settings for a portlet include an extra link for ProDiver or a Click Action (for example, DownLink to Marker), then that setting is disabled and links do not display.

If using the DI DiveBook Portlet, the DiveBook will display for the Casual user. Markers in the DiveBook can be opened directly in DivePort, Adobe Reader, or Excel.

DivePlan or Model Topics will display the message “This topic cannot be opened with the current application as it has no windows” to Casual users.



## General User

A General user has access to reports and diving in NetDiver, CellDiver, and ProReporter, and can do the following:

- Access everything a Casual user accesses.
- Perform structured dives in DivePort.
- Perform basic diving from a Diver Portlet.
- See and use CrossLinks and DownLinks.
- Switch Dimensions.
- Launch NetDiver for ad-hoc diving.
- Use ProReporter and Reporter Portlets.
- Use CellDiver for accessing Models and Markers.

A General user *cannot* launch ProDiver via Extra Links or Click Actions.

Diving within DivePort includes “structured diving” — i.e., access to the Click Action DownLink, where an administrator can set a series of Markers to open upon selection of values. Basic diving is also available from the Diver Portlet.

Launching NetDiver can be available to the General user as an Extra Link, Click Action, or Application choice in the DI DiveBook Portlet.

## Advanced User

An Advanced user has access to full client functionality and can do the following:

- Access everything Casual and General users can access.
- Use DivePort administrative portal tools.
- Launch ProDiver for ad-hoc diving and analysis.
- Use ProDiver and ProDiveMaster to save Markers and DivePlans.
- Use DI-Production, DIAL, DI-Broadcast, and DI-Scheduler.



In DivePort, a user can be granted any portal Access Type (Normal User, Access Disabled, or Administrator), including portal Administrator, regardless of his assigned level of functionality.

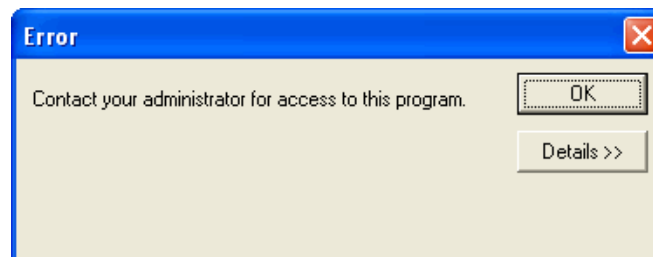
A user can also be granted Privileged user Access to a DivePort page (ability to edit the page) regardless of his level of functionality.

## Guest User

An extension for the Guest User for The Diver Solution can be set in the license. This extension permits the Guest User to have an assigned DiveLine user profile (which must be a Casual user), and grants the Guest User the same access that Casual users are granted, except that a Guest User can never have Privileged User access to a page nor be a portal administrator. Note that this functionality is purchased separately and requires a special DiveLine license.

## Other DI Clients and Tiered Licensing

If a General or Casual user attempts to open ProDiver or other administrative clients such as DI-Scheduler, the following error is displayed:



DI-Config allows Casual or General users access if they have been set as DiveLine Administrators to prevent a mistaken “lock out” situation.

DI-Controller requires that the DiveLine Administrator also be an Advanced user.



# Chapter 3

## DI-License-Admin

### What is DI-License-Admin?

DI-License-Admin is an executable available for use with Dimensional Insight's Diver Solution software. Used on Windows servers, DI-License-Admin is intended to install product licenses on the Windows server, track licenses destined for the UNIX server, and keep track of all currently-installed licenses. It does not encompass the entire licensing process; rather, it makes applying and managing licenses easier.

### How Does It Work?

When DI-License-Admin is started, it sends a request to the DI web site for a list of all available software applications. The returned list gives a product name plus a major version (for example, Integrator 5.1 or DiveLine 6.4) for which keys can be requested. Once the request form has been completed with all required information, clicking the Submit button will send the request using the standard non-secure web browser HTTP protocol, in a similar manner to a web-based submission form; therefore, an internet connection is required. If the machine being used does not have internet access, a request will need to be manually submitted to DI from a machine with access. (See [Requesting a License Without a Connection on page 3-7](#) for details.)

### How Is It Used?

DI-License-Admin employs an interface that is separated into two tabs and two menus, each of which are explained in detail below.

## Request Licenses Tab

The DI-License-Admin program Request Licenses tab, shown below, is the dialog box that allows you to send license key requests to Dimensional Insight. Further explanation of each area can be found below.

**DI-License-Admin**

File Help

Manage Licenses Request Licenses

Use this form to request licenses for Dimensional Insight applications. A license file will be emailed to the address you specify.

**Customer Information**

Name: John Smith Phone: 555-555-5555

Company: Company X Email: jsmith@companyx.com

**Machine Information**

Machine Name: sunflower

Operating System: ms-windows

Machine ID: Hw02:00:4c:4f:4f:50

Distributors...

**Applications to License (Select all that apply):**

- Diver Solution 6.4 -- Diveline:<port>|
- Diver Solution 6.3 -- Diveline:<port>|
- .....|
- Developer Package 6.4|
- Developer Package 6.3|
- .....|
- DiveLine 6.4:<port>|
- DiveMaster 6.4|
- DI-Diver 6.4|
- ProDiver 6.4|
- .....|

**Comments/Questions:**

Save... Submit

---

## Customer Information Area

The following items appear in the Customer Information area.

- **Name** - The name of the person sending the license key request.
- **Company** - The name of the company for which licenses are being requested.
- **Phone** - The telephone number at which the person requesting keys can be reached. It does not accept parentheses. Only numbers and dashes (-) may be entered.
- **Email** - The e-mail address at which the person requesting the keys can be contacted. License keys will be sent to this address.



---

All Customer Information fields are required.

---

## Machine Name

This field should contain the name of the server for which keys are being requested. For example, if a key is being requested for Diver Solution 6.4 -- Diveline:<port> running on a server named *your server name*, then *your server name* should be entered in this field.

## Operating System

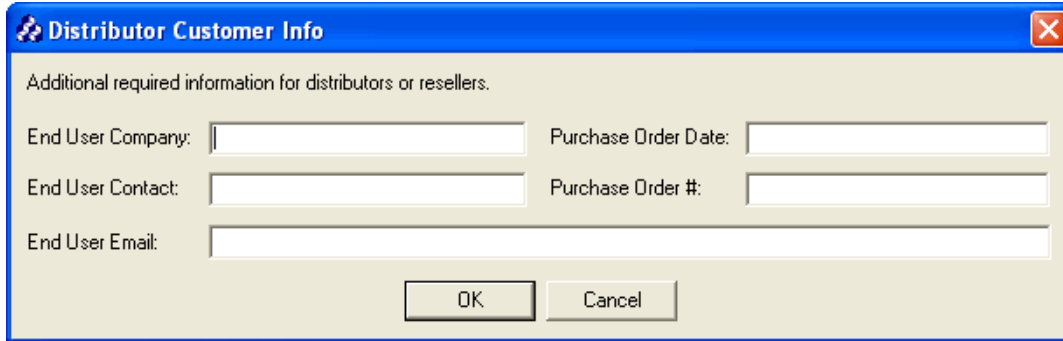
The Operating System field is automatically filled in with the correct OS information. It is greyed out and cannot be changed.

## Machine ID

The Machine ID is automatically obtained by the DI-License-Admin software and entered into the Machine ID field. This ID is used to lock the requested licenses to the machine on which the DI-License-Admin software is running. This field is greyed out and cannot be changed.

## Distributors

The **Distributors...** button opens the **Distributor Customer Info** dialog, allowing Dimensional Insight Distributors to enter information about the customer purchasing The Diver Solution software.



## Applications to License

This area lists the available software that a user can request keys for. The list is populated when DI-License-Admin is started, as described in **How Does It Work? on page 3-1**. A user can select multiple products by clicking the name of each product for which a key is required. Each selected product will be highlighted in blue. To deselect a product, simply click it again.



---

If a license is requested for a product that has not been purchased, notification from Dimensional Insight will be sent.

---

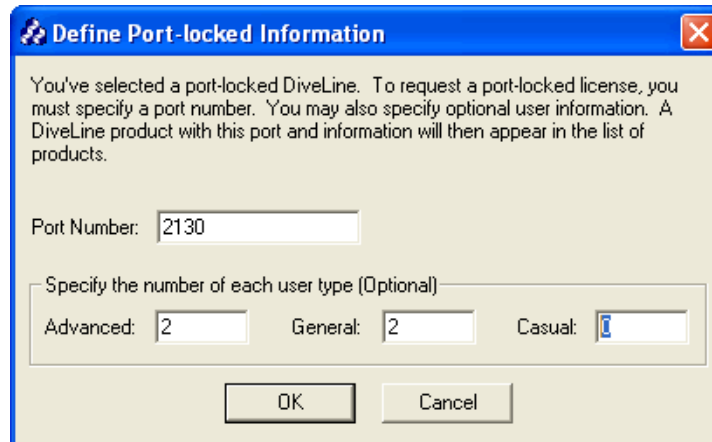
If a version of DiveLine that requires port locking is chosen in the Applications to License list, you will be presented with the Define Port-locked Information dialog shown below.

1. Enter the port on which DiveLine should run.

The Port Number text box defaults to 2130; however, you can specify a port other than 2130 to which DiveLine should be locked.

2. Enter the specific number of each user type, if desired.
3. Click **OK**.

A new entry in the format DiveLine 6.4:xxxx (where xxxx is the port number entered into the Port Number text box), will appear and automatically be highlighted in the **Applications to License** list.



The number of each user type entered cannot exceed the number of user licenses purchased by your company. Any submitted requests that specify the number of users will be checked against the licenses purchased on record at DI. Two advanced users will be added for Dimensional Insight administrative use.



Guest login is a request that requires purchase of a special license. If this license has not been purchased, the Guest login will not be included in the license key.

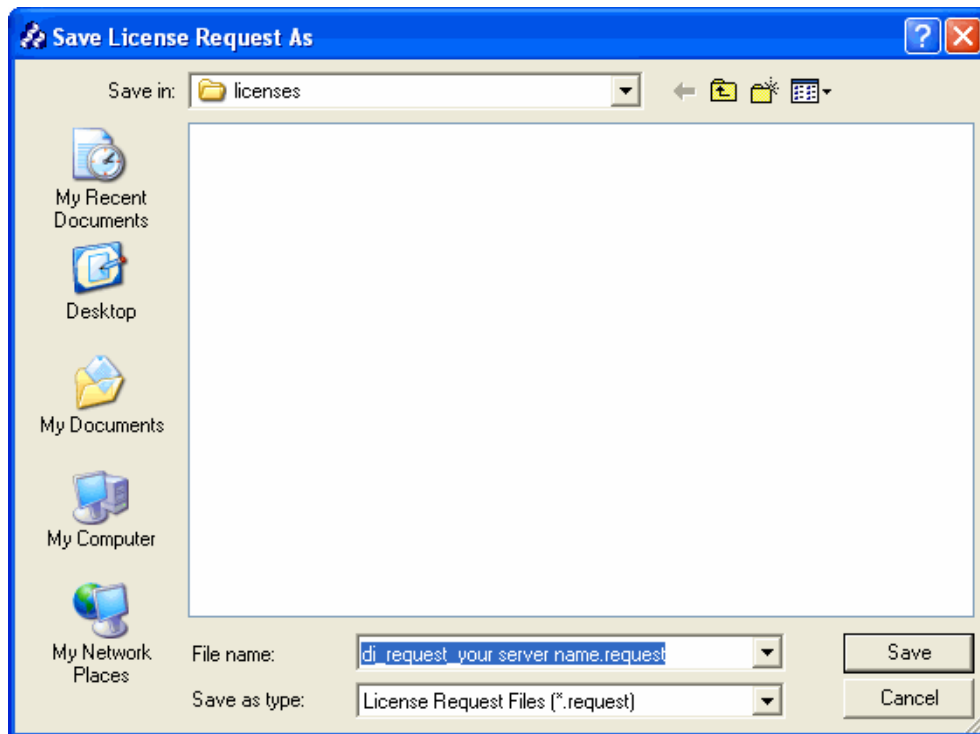
## Comments/Questions

This area should be used for any comments or questions about the licensing process that you wish to submit.

Any additional licenses you have purchased need to be indicated in the Comments/Questions text box.

## Save Button

Once all information has been filled into the license request form, clicking the **Save** button opens the **Save License Request As** dialog shown below, allowing you to save the current request for future use or to e-mail separately



If you have purchased DI software through a partner or distributor, use the **Save** button to create a request file and e-mail it to your contact, who will then forward the request to DI with any relevant additional information.

## Submit Button

Once all information has been completed, the **Submit** button becomes active. Clicking **Submit** will send the request to Dimensional Insight. A standard non-secure Internet Connection is required for request submissions. If an Internet connection is not available on the machine for which keys are being requested, please see **Import Machine Info on page 3-13**.

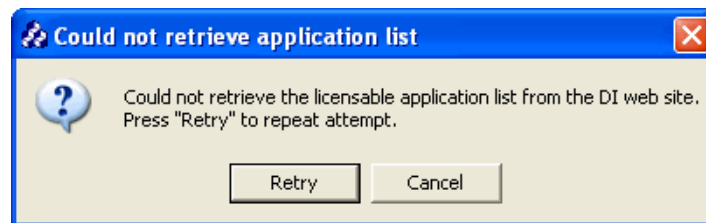


After the request is submitted, a file containing the requested license keys will be sent back to the address listed in the Email field. This file needs to be placed in a location, such as a directory named license files, on the DI product server so that it can be installed using the Manage Licenses tab. More information about installing license keys can be found under [Installing Licenses on page 3-10](#) and [Sample Registration Steps on page 1-12](#).

## Requesting a License Without a Connection

DI-License-Admin is designed to be used on or off a network, and in some circumstances, DI-License-Admin may be run on a server that cannot connect to Dimensional Insight. When this occurs, the request must be generated and submitted manually using the steps below.

1. Start **DI-License-Admin**.
2. Click **Cancel** on “Could not retrieve application list”, if it appears, as shown below:

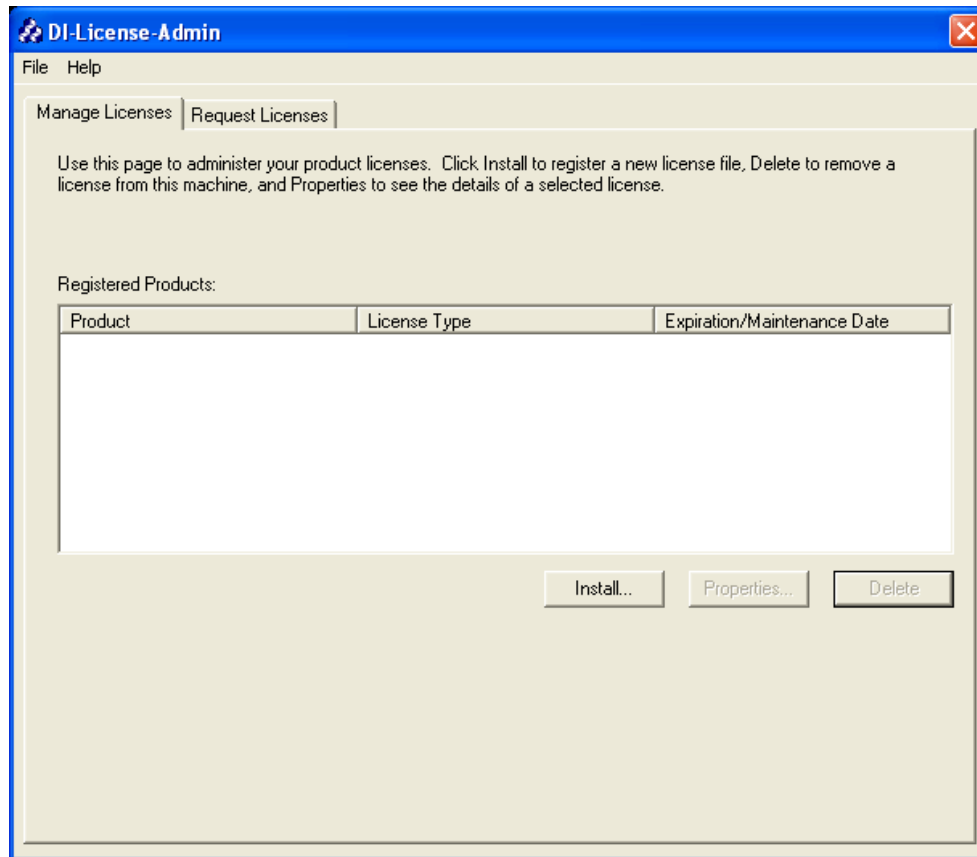


3. Click **File > Export Machine Info** to save the machine info file.
4. Close DI-License-Admin.
5. Send the exported file to [license-registrar@dimins.com](mailto:license-registrar@dimins.com) along with the following information:
  - Name
  - Company
  - Email
  - License requested – for example ProDiver 6.4, Diver Solution 6.4, DiveLine:<port>, or Developer Package 6.4. The licenses that can be requested are listed below:
    - Diver Solution 6.4 -- DiveLine:<port>
    - Diver Solution 6.3 -- DiveLine:<port>
    - Developer Package 6.4
    - Developer Package 6.3
    - DiveLine 6.4:<port>

- DiveMaster 6.4
  - DI-Diver 6.4
  - ProDiver 6.4
  - DiveLine 6.3:<port>
  - DiveMaster 6.3
  - DI-Diver 6.3
  - ProDiver 6.3
  - Builder 5.1
  - Integrator 5.1
  - plus older version of Builder and Integrator
6. Alternatively, the saved info file can be sent to a machine that is on the network, and sent to DI using DI-License-Admin as follows:
- a) Open DI-License-Admin.
  - b) Click the **Request Licenses** tab.
  - c) Click **File > Import Machine Info** to import the information from the saved machine info file.
  - d) Complete the Request form and click **Submit**.

## Manage Licenses Tab

The Manage License tab, which allows you to install, view, and delete licenses, appears as follows:



### Registered Products

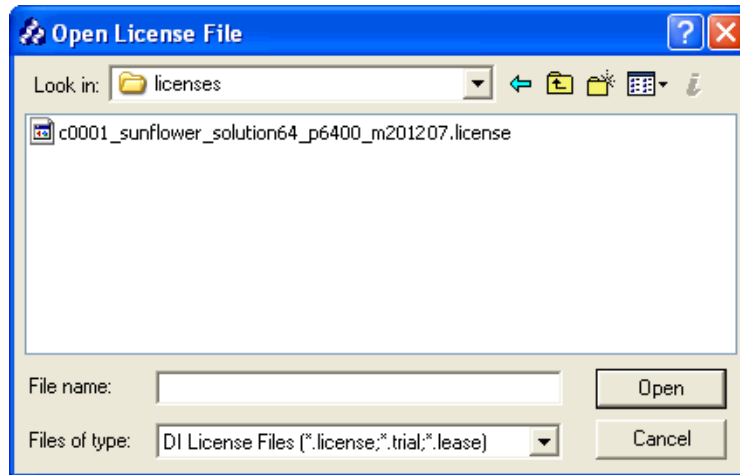
This area lists each Product, License Type, and Expiration or Maintenance Date for all valid license keys that are currently installed.

- **Product** name lists the specific software to which the license applies – for example, DiveLine 6.4.
- **License Type** lists either Perpetual or Trial, depending on the type of software that was installed and licensed.
- **Expiration/Maintenance Date** lists either a software expiration date for Trial software or a maintenance expiration date for Perpetual software.

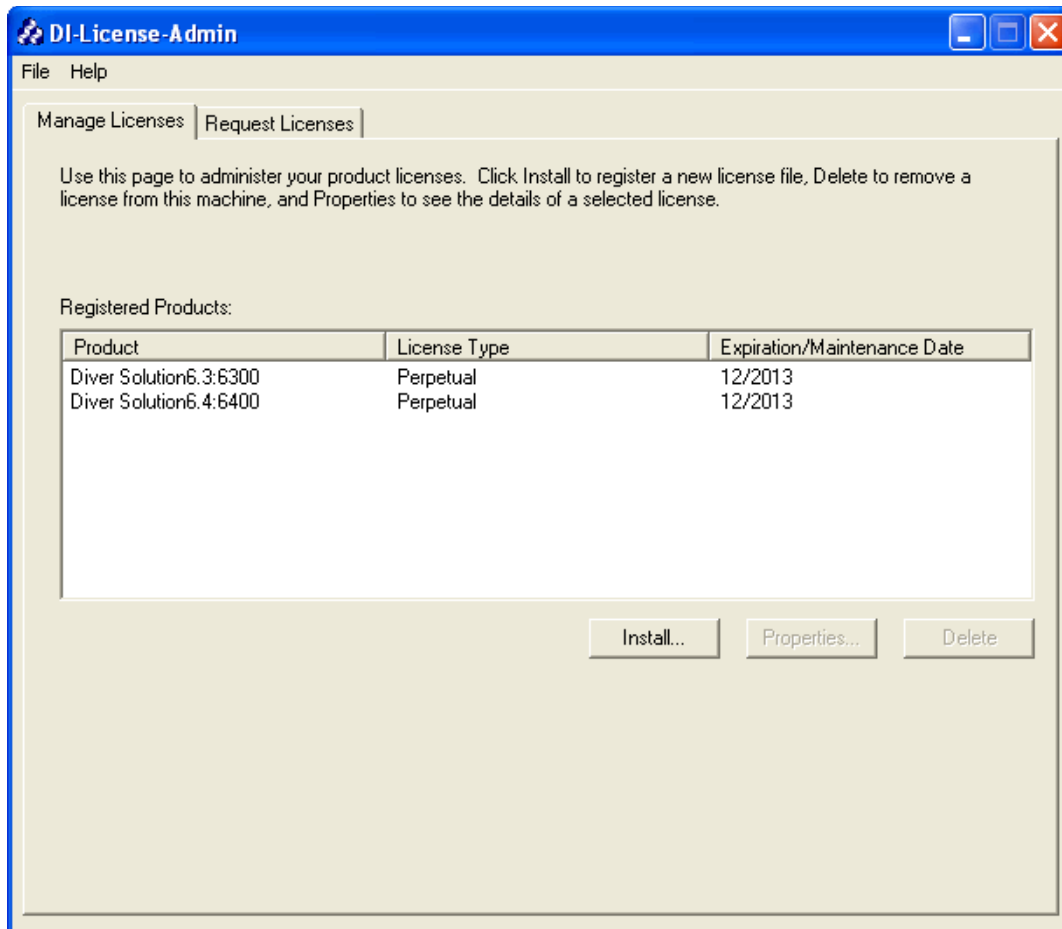
Each of the columns in the Registered Products area can be sorted up or down by clicking on the desired column header.

## Installing Licenses

When new license keys are obtained from Dimensional Insight, they can easily be installed using the Install... button. After the desired license file is highlighted, clicking the **Open** button will automatically install the license, storing the license string in the machine registry. The current user must have permission to make registry changes. The license file is no longer necessary although we recommended you retain it as a reference.

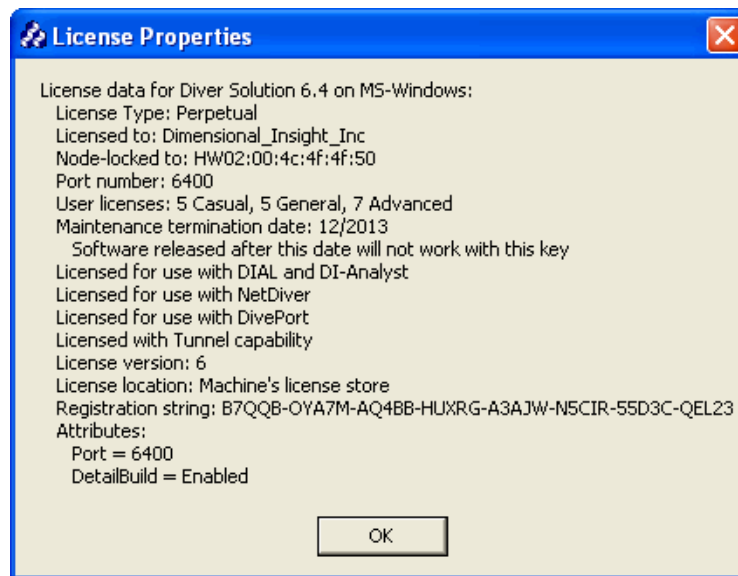


After a license key file has been installed, the Manage Licenses tab will appear as shown below:



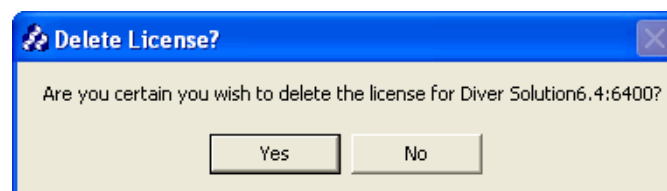
## Properties

After a license or set of licenses has been installed, the **Properties** button becomes active. This button opens the License Properties dialog that lists the specifications of a currently installed license, as shown below. To view the properties of a specific license, highlight that license in the Registered Products list and click the activated **Properties** button.



## Delete

The **Delete** button allows you to delete a key from the server. To delete a key, highlight it in the Registered Products list and click the **Delete** button. You will be prompted with the confirmation dialog below:



Click **Yes** to confirm the license deletion or **No** to return to the Manage Licenses tab.



If a license is being renewed, the expired license does not need to be deleted before installing the new one. Installation of the new license will overwrite the existing expired license key.

## File Menu

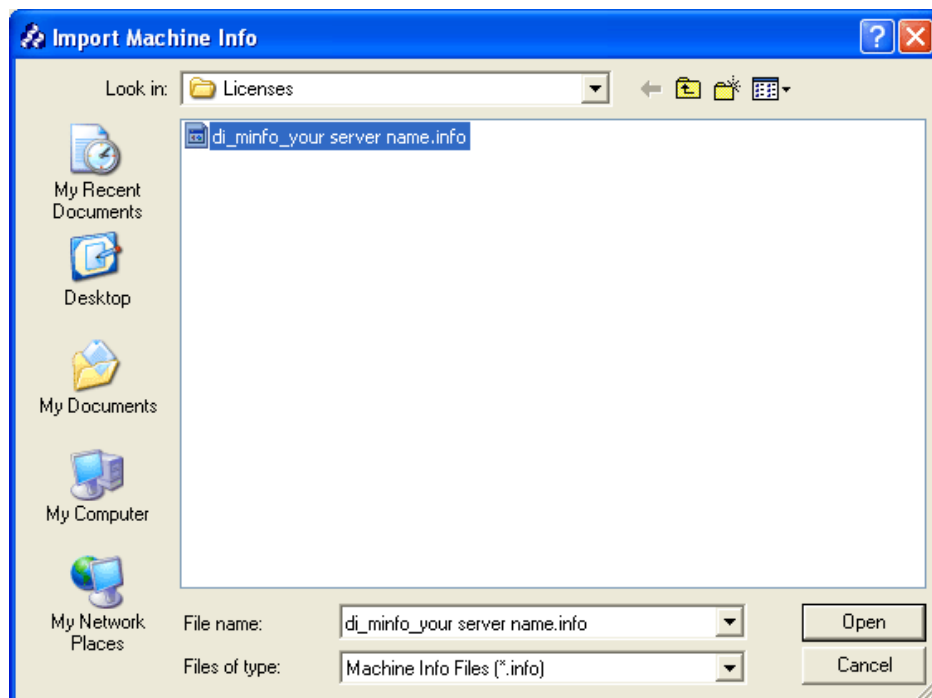
The File menu consists of four options:

- Import Machine Info
- Export Machine Info
- Import Request File
- Exit

### Import Machine Info

When machine information is exported to an external `.info` file as described in the next section, this file can be moved to another computer that has a standard Internet connection. The DI-License-Admin executable can then be run on this machine to import the file and communicate with Dimensional Insight.

1. Select **File > Import Machine Info** to view the Import Machine Info dialog:

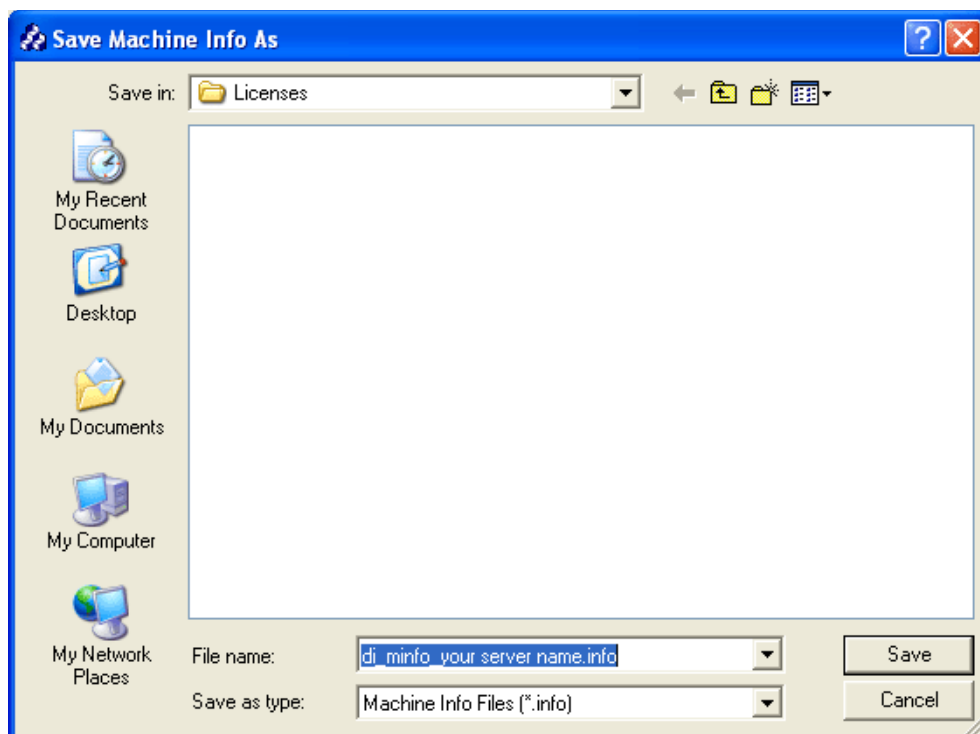


2. Select the file to import and click **Open**.
3. After the `.info` file has been imported, fill in the required Customer Information fields.
4. Click **Submit** to send the information to [license-registrar@dimins.com](mailto:license-registrar@dimins.com).

## Export Machine Info

The DI-License-Admin executable only acquires machine information for the Windows server that it is running on. It then returns this information to Dimensional Insight when a request is submitted as described in **How Does It Work? on page 3-1**. This submission of information, however, requires that a standard Internet connection be available on the server that the executable is being run on. If an Internet connection is not available, the machine information can be exported to an external file.

1. Click **File > Export Machine Info** to view the Save Machine Info As dialog shown below:



2. Name the file and click **Save** to save the machine info locally.

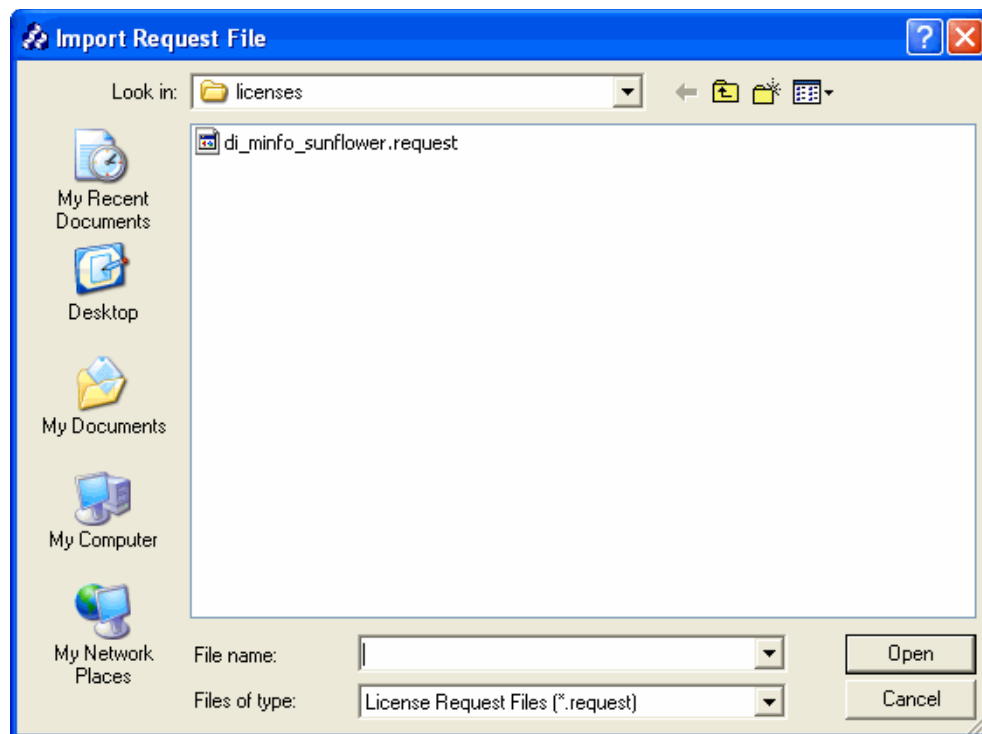


The default filename for exported machine information is `di_minfo_your server name.info`. The `di` stands for Dimensional Insight, `minfo` stands for “machine info”, and `your server name` represents the name of the server entered in the Machine Name field on the Request Licenses tab.



## Import Request File

A license request file can be imported and sent to Dimensional Insight. This is used when a third-party customer (such as a distributor's customer) needs to obtain a license key. The customer uses DI-License-Admin to create a license request file with their machine and customer information (name, company, phone number, etc.), the software being licensed, and the number of users needed for each tier level, which is then sent to the customer's distributor. The distributor then imports the file, verifies the software and tiered user information, and submits the request to DI.



## Exit

The Exit menu item closes the DI-License-Admin executable.

## Help Menu

The Help menu consists of two options:

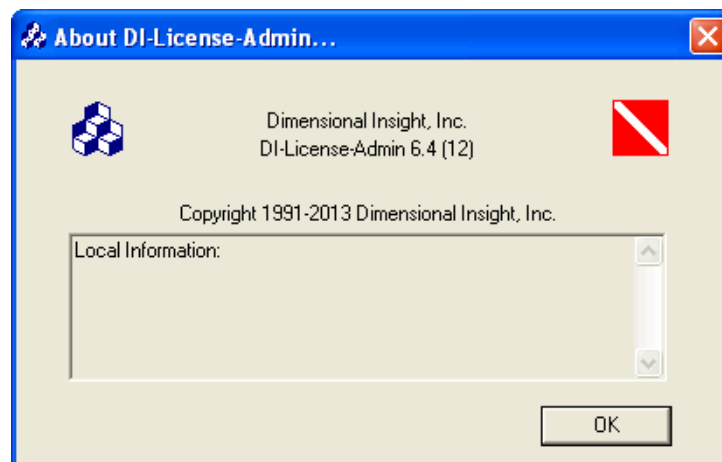
- PDF Help
- About

## PDF Help

PDF Help allows you to access the DI-License-Admin documentation, if specified in the `diver.ini` file. See *The Diver Solution Installation Guide* for directions.

## About

About provides version information for the version of DI-License-Admin being used.



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