



License Activation Guide

EonStor DS

SANWatch Software Suite

Version 1.1 (October 2010)

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About This Manual

This document provides step-by-step instructions for EonStor DS data service license application, activation, upgrade and renewal.

The instructions are divided in three sections.

- Section 1: Configuring parameters
- Section 1: Generating the License Apply File
- Section 2: Generating the License Key
- Section 3: Uploading the License Key

The instructions in Section 1, 2, and 4 apply to all licenses. The instructions in Section 3 may differ per license. Check the sub-headers in italics in Section 2 for instructions related to your license.

Before starting any EonStor DS license application or activation process, please check whether Infortrend's SANWatch management suite, which was shipped together with the EonStor DS storage system, has been properly installed.

Revision History

Version	Description	Date
1.0	Initial release	October 2010
1.1	Added optimal configuration parameters Updated the formatting	November 2010



1 Configuring Your EonStor DS

1.1 Optimal System Configurations

Before you apply, upgrade, or renew the license, we strongly recommend you to configure your EonStor DS subsystem to the optimal state as follows.

BBU (Battery Backup Unit): Installed

System configurations: As follows

Parameter	Value
RAID Controller Caching Mode	Write-back
Drive Delayed Write	Disabled
BBU Event-Triggered Operation	Enabled



NOTE

If the above conditions are not met, after applying for a license, a popup message will appear on the screen each time you activate SANWatch software suite.

1.2 Configuring System Parameters

Configuring these parameters is available from the Storage Manager program inside the SANWatch suite. To activate the Storage Manager, follow these steps.



NOTE

Configuring the system settings is available only for users who logged in with the **Configuration** user name. For more details, refer to the SANWatch user manual.

1. In SANWatch Commander sidebar, select the subsystem you want to configure.

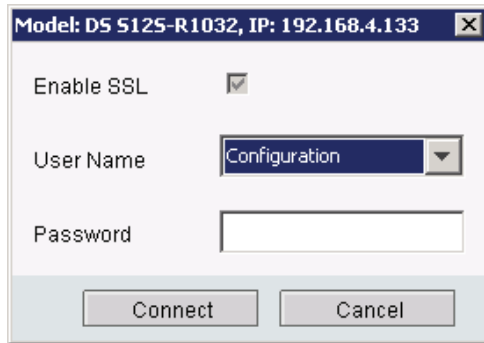




- Click the Storage Manager icon or select the *Tools > Storage Manager* menu.

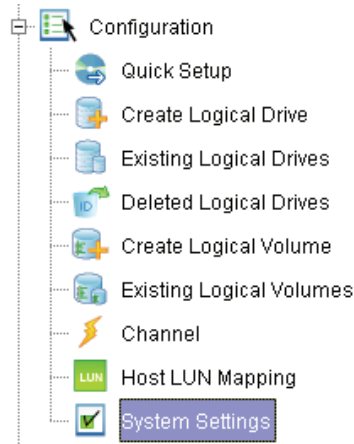


- Select the Configuration User Name (= user level) and enter the password (by default, no password is required).



- Click the Connect button. The Storage Manager will appear. (By default, the Quick Setup menu will appear.)

Select *Device > Configuration > System Settings* from the sidebar or the *Configuration > System Settings* menu. The Statistics window will appear.



- Configure the parameters.

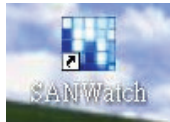
Parameter	Tab	Value
RAID Controller Caching Mode	Controller	Write-Back Cache: Enabled
Drive Delayed Write	Drive-side	Drive Delayed Write: Disabled
BBU Event-Triggered Operation	Trigger	BBU Low or Failure: ON

2 Generating the License Apply File

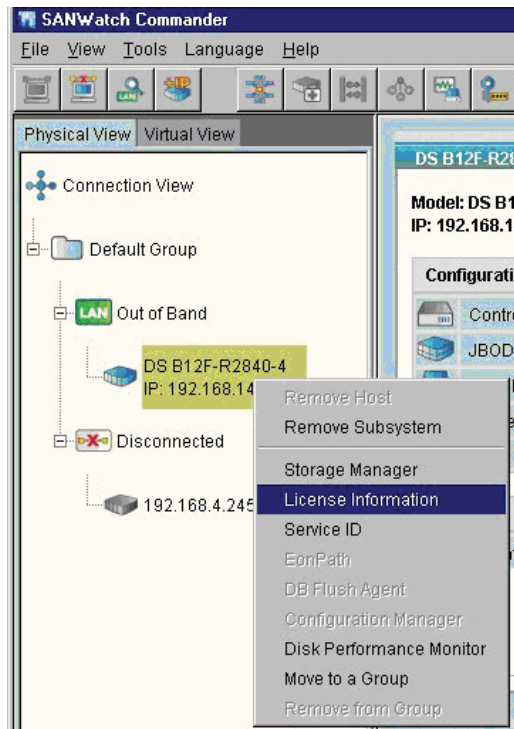
File

Before starting any EonStor DS license process, please check whether Infortrend's SANWatch management suite, which was shipped together with the EonStor DS storage system, has been properly installed.

1. Start SANWatch. In Windows, you may double-click on the SANWatch icon.



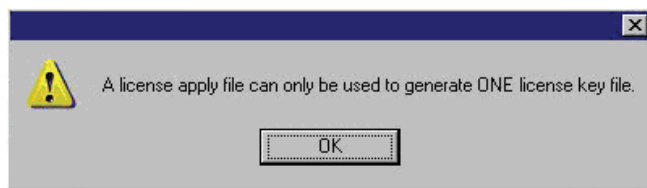
2. After starting up SANWatch, the SANWatch Commander GUI (Graphical User Interface) appears. In the left-side column, click on **Out of Band** to see a list of connected storage systems. In the left-side column, right-click on a selected system and choose **License Information** from the menu.



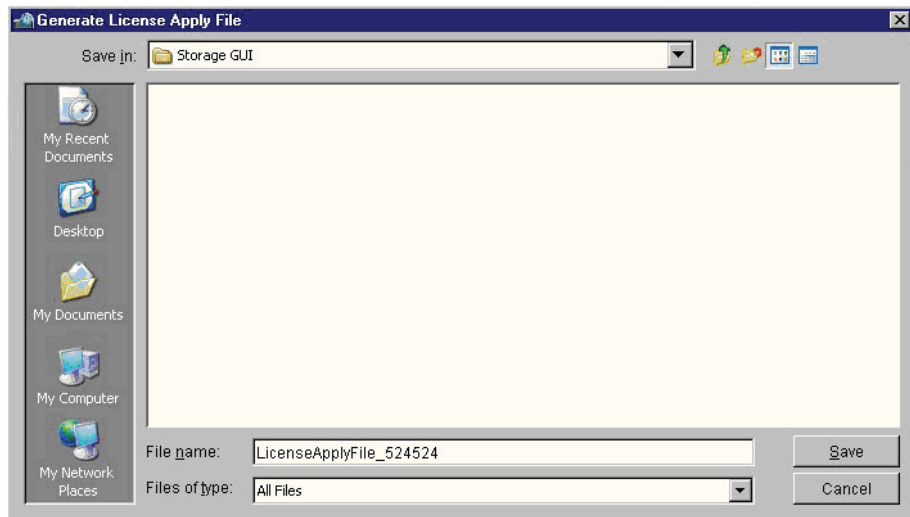
3. In the window that appears, select **Generate License Apply File**.



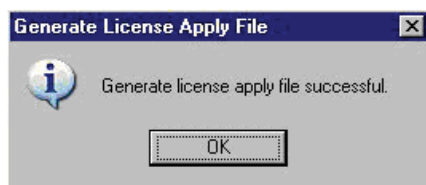
- 4. A reminder appears explaining that a License Apply File can only be used to generate one License Key File. Click **OK**.



- 5. Select a preferred location for the License Apply File and click **Save**.



- 6. A message appears stating the License Apply File was successful. Click **OK**.

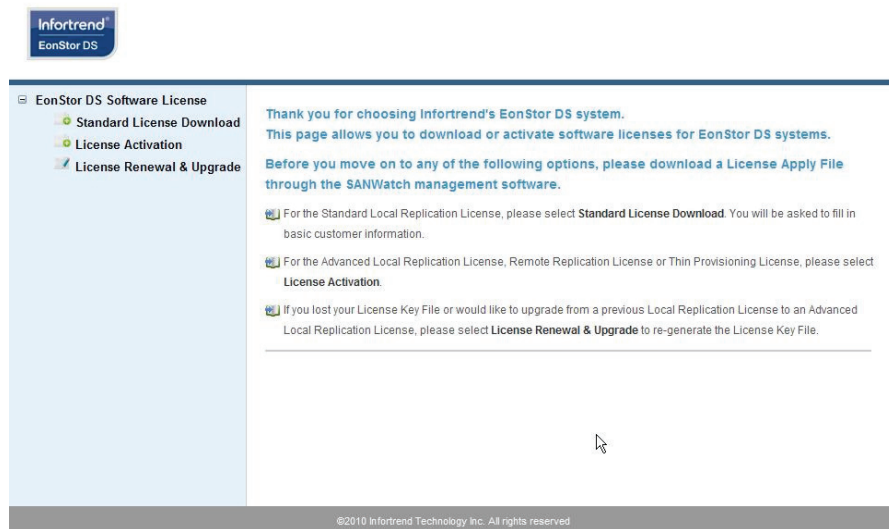




3 Generating the License Key

3.1 Standard Local Replication License

1. Visit Infortrend's EonStor DS Software License website to generate a license key: <http://www.infortrend.com/dsls/>



2. For a Standard Local Replication License, please select **Standard License Download**.



3. Carefully read the information and click Next.

EonStor DS Standard Local Replication License Download

Please read the following notification and requirement before click **Next**.

- ▶ The standard license includes snapshot and volume copy/mirror.
- ▶ SANWatch version must be v.2.1.b or later.
- ▶ After finishing the process, you must download the License Key File directly since you will not receive any e-mail notifications.

I have read and understand the above information.

Next



4. Upload the License Apply File you obtained through the SANWatch software and click **Next**.

EonStor DS Standard Local Replication License Download

Step 1 . Upload License Apply File

Step 2 . Fill in customer information

Step 3 . Download License Key File

Please upload License Apply File generated in SANWatch, then click "Next".

License Apply File	<input type="text"/>	<input type="button" value="Browse..."/>
<input type="button" value="Next"/>		

5. Fill in customer information and click **Next**.

EonStor DS Standard Local Replication License Download

Step 1 . Upload License Apply File

Step 2 . Fill in customer information

Step 3 . Download License Key File

Please Fill in the following required information, then click "Next".

Name*	<input type="text"/>
Email Address *	<input type="text"/>
Confirm Email *	<input type="text"/>
Company	<input type="text"/>
Phone	<input type="text"/>
Company Address	<input type="text"/>
Country *	<input type="text" value="Select"/>
Industry *	<input type="text"/>
EonStor DS Vendor Name	<input type="text"/>

The fields marked with an asterisk * are required.

I wish to receive product information from Infotrend

6. Download the License Key File by clicking on Download and save the file in a preferred location.

EonStor DS Standard Local Replication License Download

Step 1 . Upload License Apply File

Step 2 . Fill in customer information

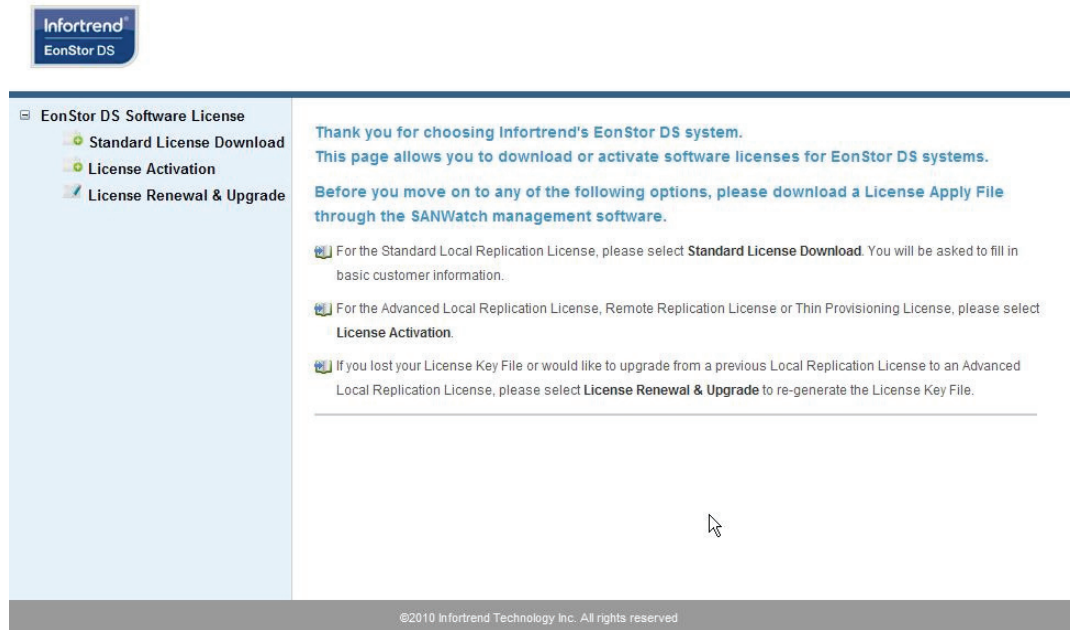
Step 3 . Download License Key File

Please click on **Download** to receive the License Key File immediately



3.2 Advanced Local Replication License

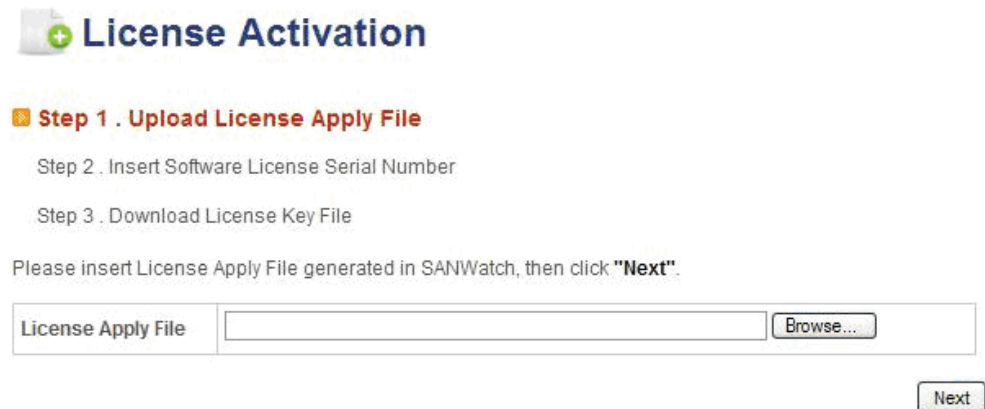
1. Visit Infortrend's EonStor DS Software License website to generate a license key: <http://www.infortrend.com/dsls/>



2. For an Advanced Local Replication License, please click on **License Activation**.



3. Upload the License Apply File you obtained through the SANWatch software and click **Next**.



4. Fill in the License Serial Number you received, then click Add. After adding the



License Serial Number, click **Next**.

License Activation

Step 1 . Upload License Apply File

Step 2 . Insert Software License Serial Number

Step 3 . Download License Key File

Please insert a valid and non-activated License Serial Number, then click on **"Next"**.

Please use "Add" and "Remove" if you would like to activate multiple software licenses in this EonStor DS system.

License Serial Number	<input type="text"/>	<input type="button" value="Add"/>
License	<input type="text"/>	<input type="button" value="Remove"/>
Activated License	<input type="text"/>	



NOTE

You can generate multiple licenses in a single activation process. Simply fill in another License Serial Number and click add. The added licenses will be listed in the **License** box.

5. Click on **Download** to receive the License Key File.

License Activation

Thank you for purchasing DS Software License.

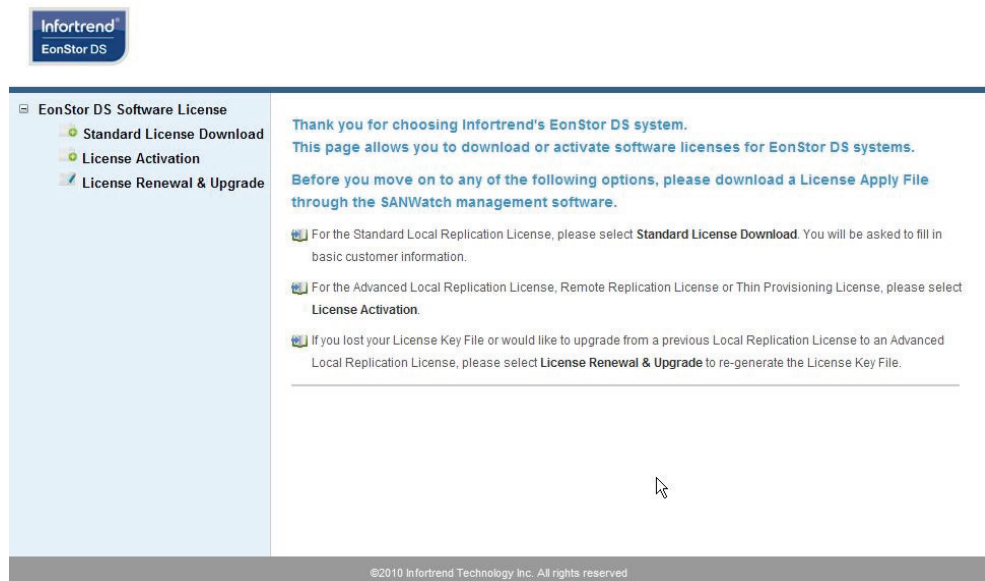
Please click on **Download** to receive License Key File immediately. You will not receive any e-mail notification for license activation.

6. Save the License Key File in a preferred location.

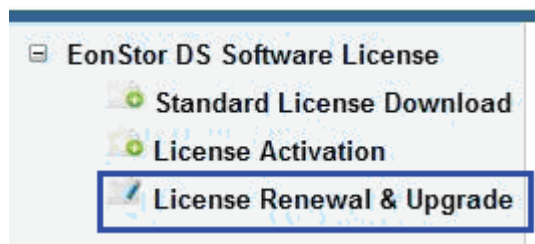
3.3 Upgrading the License

Here we will introduce how to upgrade from previous local replication license to the new advanced local replication license.

1. Visit Infortrend's EonStor DS Software License website to generate a license key: <http://www.infortrend.com/dsls/>



2. If you already purchased an EonStor DS Local Replication license, and now wish to upgrade to the Advanced Local Replication License, please click on **License Renewal & Upgrade**.



3. Upload the License Apply File you generated through the SANWatch software and click **Next**.



EonStor DS License Renewal & Upgrade

Step 1 . Upload License Apply File

Step 2 . Download License Key File

Please insert License Apply File generated in SANWatch, then click "**Next**".

License Apply File	<input type="text"/>	<input type="button" value="Browse..."/>
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4. Click on **Download** to receive the License Key File immediately.

EonStor DS License Renewal & Upgrade

The application is completed.

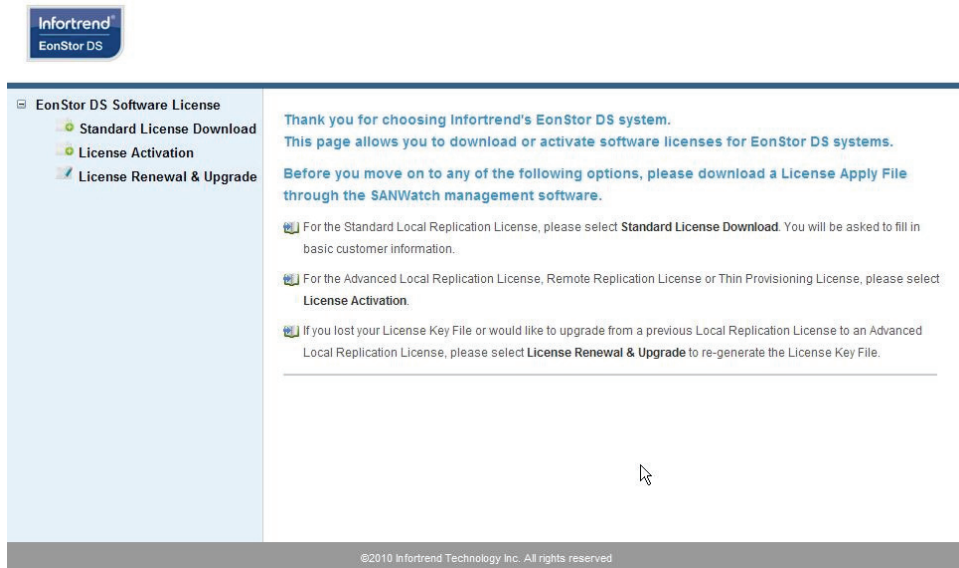
Please click on **Download** to receive License Key File immediately. You will not receive any e-mail notifications for license activation.

5. Save the License Key File in a preferred location.

3.4 Renewing the License

If you have lost a previously generated License Key File, you can re-generate this file.

1. Visit Infortrend's EonStor DS Software License website to generate a license key: <http://www.infortrend.com/dsls/>



2. If you already purchased an EonStor DS Local Replication license, and now wish to upgrade to the Advanced Local Replication License, please click on **License Renewal & Upgrade**.



3. Upload the License Apply File you generated through the SANWatch software and click **Next**.



EonStor DS License Renewal & Upgrade

Step 1 . Upload License Apply File

Step 2 . Download License Key File

Please insert License Apply File generated in SANWatch, then click "Next".

License Apply File	<input type="text"/>	<input type="button" value="Browse..."/>
--------------------	----------------------	--

4. Click on Download to receive the License Key File immediately.

EonStor DS License Renewal & Upgrade

The application is completed.

Please click on **Download** to receive License Key File immediately. You will not receive any e-mail notifications for license activation.

5. Save the License Key File in a preferred location.

4 Uploading the License Key

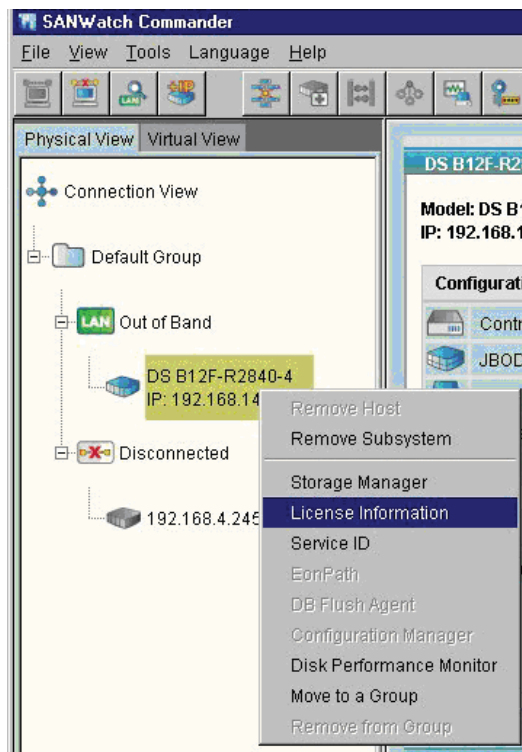


NOTE

If a pop-up window appears during this process showing the below text, simply click **OK** to continue (no need to fill in a password):

You had lost the controller's lock, please input Controller's Password

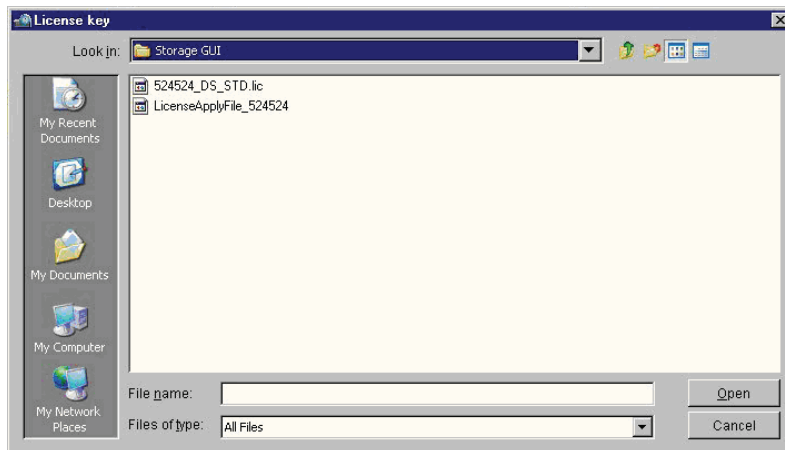
1. After obtaining and saving the License Key File, again go to the model list in the left-side column in SANWatch and right-click on a selected model. Select License Information from the menu.



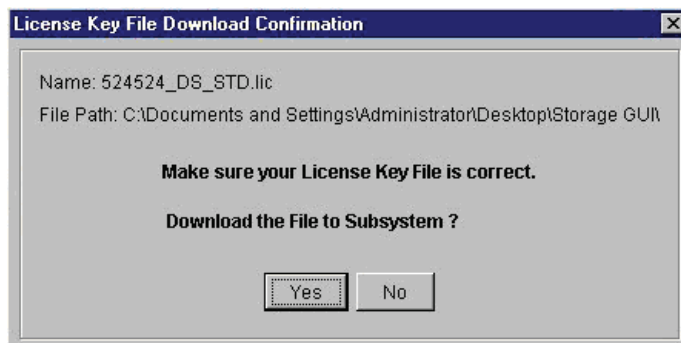
2. In the window that appears, select **Browse License File** under **Apply New License**.



3. Select the previously obtained License Key File.



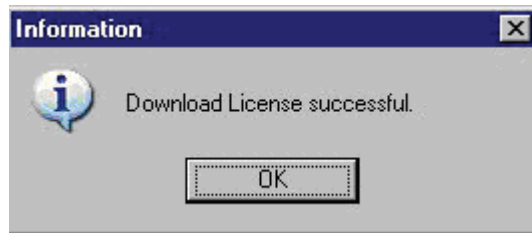
4. A reminder appears asking you to confirm whether the selected License Key File is correct and whether you want to download it to the system. Click **Yes** if you want to proceed.



5. After you download the License Key File, the system will show a notification that



the download was successful. Click **OK**.



6. The newly activated license will appear under License in the SANWatch Commander.