

Licenses

Version 2.7

User's Guide

STOREWAY DPA



STOREWAY DPA

Licenses Version 2.7

User's Guide

Software

May 2008

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Table of Contents

Chapter 1.	Licenses: an overview.....	7
Chapter 2.	StoreWay DPA Licenses	8
	Configuration wizard	9
	Activate your StoreWay DPA	11
Chapter 3.	Managing ASM agent Licenses.....	12
	Understanding ASM agent and FileSafe licenses	13
	The StoreWay DPA ASM space	13
	Installing ASM agents	14
	Activating ASM and FileSafe licenses with a network connection	15
	Activating ASM and FileSafe licenses (offline)	16
	Receiving your license files	16
Chapter 4.	Licenses for block mode replication configuration options	17
	Enter ASM Console licenses	17

Chapter 1. Licenses: an overview

There are 4 types of licenses in a StoreWay DPA solution:

- > The StoreWay DPA license which are registered on the StoreWay DPA after activation.
- > The StoreWay DPA license for the activation of ASM space on the StoreWay DPA.

NOTE: The StoreWay DPA ASM activation license is a special case: it is a product key which is entered directly on the StoreWay DPA during the configuration phase (the first time you connect to your StoreWay DPA web interface after installation).

NOTE: This key unblocks the possibility of being able to reserve ASM space on the StoreWay DPA.

- > ASM agent licenses (DiskSafe, FileSafe, Snapshot Agents...) which needs to be activated on each ASM agent on each protected machine.
- > Licenses which are activated during a block mode replication configuration using the ASM Console.

Chapter 2. StoreWay DPA Licenses

The StoreWay DPA appliance comes with a 30-day evaluation license. After this period, you must activate the license.

Licenses keys and information are entered when you initialize your StoreWay DPA – the first time you connect to the StoreWay DPA web interface after installation. You need to answer a certain number of questions via a wizard to be able to use your StoreWay DPA.

The wizard enables you to:

- > Accept the user license.
- > Configure the date and time.
- > Activate the appliance by sending the StoreWay DPA license file and identification details to Bull via the dedicated site <http://support.bull.com/ols/online/keys/index.htm>.
- > Configure the administrator account.
- > Configure the StoreWay DPA storage space (the part reserved for standard backups and the part, if required, to be used for ASM space).

See:

[Configuration wizard" on page 9.](#)

Configuration wizard

The StoreWay DPA configuration comprises 5 steps. The configuration wizard opens automatically when you first log onto your StoreWay DPA. You can return to this wizard at any moment via the following address.

`https://StoreWay DPA_name(or IP address)/config/wizard_init_welcome.php/`

- > Click next.

Step 1 – User License agreement

This screen enables you to be informed about the StoreWay DPA software utilization. Read this document carefully before accepting it. Check the **Accept** radio button and click **next**.

Step 2 - Date and time Setup

- > You need to synchronize the date and time of your StoreWay DPA with the current date and time.

Step 3.a - StoreWay DPA Activation

- > To obtain your license, download the identification file which corresponds to your appliance, then log onto the <http://support.bull.com/ols/online/keys/index.htm> web site to register this file.
- > While waiting for your permanent license keys, you can select the option **Trial period: 30 days** to be able to start using the appliance immediately. You can activate your permanent license key at a later date.

NOTE: After nine day's use of your evaluation license, you will receive a regular message in the form of an alarm reminding you to activate your StoreWay DPA license. No message is sent for the first nine days.

Step 4 - Administrator's account Setup

The StoreWay DPA has a privileged user account called « admin ». This user has access to all StoreWay DPA features.

- > Enter a valid Email address (compulsory) and a password (6 characters minimum).
- > The Email address will be used to send important messages concerning the appliance activity.

Step 5 – Configuring StoreWay DPA disk space

- > This step enables you to configure the space which will be reserved for the ASM space. This space is used to back up Windows partitions in real time by ASM agents (DiskSafe, FileSafe and related Snapshot Agents).
- > These agents handle protection:
 - in block mode for Windows systems (DiskSafe),
 - partitions and applications (using Snapshot agents).

Select one of the backup options

- > Use the entire StoreWay DPA disk space for regular backups not as part of a Disaster Recovery solution.
- > Reserve a part of the StoreWay DPA disk for ASM. Check this box if you intend to use DiskSafe or FileSafe). You will need to enter the ASM product key. This key is provided with your StoreWay DPA. The key is as follows:

S11AT-XTZRQ-7FAZA

- > You will need to evaluate the total space required for the backup of:
 - your Disaster Recovery protections,
 - DiskSafe partitions,
 - block mode files (using FileSafe),
 - the replication of ASM spaces from other remote StoreWay DPA.

WARNING: At this point, you need to evaluate the space required for ASM backup and add between 15 and 25% to this space to ensure backup consistency.

After this configuration, you cannot add or modify ASM space without completely reinstalling the StoreWay DPA.

NOTE: On models without a tape drive, this feature is not available.

Finalizing the wizard

The wizard is now complete. The StoreWay DPA will restart.

- > Click on the button **connection** to access the login page.
- > Your StoreWay DPA is now operational. You now need to install and activate the licenses for the relevant StoreWay DPA agents on the servers and workstations to protect and configure your backup strategy for applications and data (backup frequencies, schedule, retention periods, ...).

Activate your StoreWay DPA

Once your StoreWay DPA is installed and in production, initialize the appliance by selecting the evaluation period of 30 days. The license must be activated for this period. You will then of course need to activate your permanent license key.

The activation phase has two parts:

- > The activation request.
- > Register the activated license file (this file is sent back to you within 5 days of the request).

Connect to the activation site for further instructions regarding the activation of your StoreWay DPA. <http://support.bull.com/ols/online/keys/index.htm>

Chapter 3. Managing ASM agent Licenses

See:

[Understanding ASM agent and FileSafe licenses" on page 13.](#)

[Activating ASM and FileSafe licenses with a network connection" on page 15.](#)

[Activating ASM and FileSafe licenses \(offline\)" on page 16.](#)

Understanding ASM agent and FileSafe licenses

The StoreWay DPA ASM space

The ASM space is space which is reserved on the StoreWay DPA for data backed up in block mode managed by the ASM engine which receives data from clients (ASM DiskSafe, Snapshots) and stocks this data in the ASM space on the StoreWay DPA.

This space must be created and correctly sized when the StoreWay DPA is configured. The ASM engine must be up and running to receive data.

The following ASM products (plus FileSafe) are available on the StoreWay DPA agents CD.

- > DiskSafe ASM agent
- > FileSafe agent
- > FileSystem Snapshot module
- > Exchange 2000/2003 Snapshot module
- > Message Recovery Option for Exchange (MRE). **Important:** this agent requires the Snapshot agent for Snapshot Exchange 2000/2003 to be installed beforehand.
- > Lotus Notes Snapshot module
- > SQL Server Snapshot module

Important: Snapshot modules require the installation of the DiskSafe ASM agent.

When you install DiskSafe or any other DiskSafe agent (Exchange for example), you can use the product for a period of:

- > 5 days without any key (permanent or evaluation).
- > 30 days with an inactivated evaluation license key. The 30-day license keys for all ASM products are listed here:

Product Description	Version	30-day evaluation key
FileSafe	v3.2	24R4TQQ545VMRB4G6L44E5TQF
DiskSafe ASM agent	v3.5+	29DJKEJ06KTUAT0VR4F8CBWF5
Snapshot Module	V4.0	6WJ14HNBMF9K9L95X9LL53VXE
* Use this agent for any other application or database (Lotus Notes, SQL and MS Exchange).		
Message Recovery Option for Exchange (MRE)	V1.0	R3408XTN3D5L3PGH6JCCMQU9K

Installing ASM agents

ASM agents are installed from the StoreWay DPA Agents CD. See the relevant ASM documentation for more details.

- > During the installation, the Setup asks you to enter your ASM license. Enter your DiskSafe Disaster Recovery license then click on the **Add** button.
- > This key is:
 - **EITHER: the 30-day license key.** This key is provided in this documentation (see the section above). **IMPORTANT:** If you do not activate the evaluation license within 5 days, your ASM product will be unusable.
 - **OR: your permanent license key.**
- > Repeat this operation for each product to add. **IMPORTANT:** It is recommended to install and activate all your ASM products at the same time to facilitate the exchange of activation information.
- > At the end of the Setup, the program requests your log on details for the machine on which the agent is installed.

Activating ASM and FileSafe licenses with a network connection

Once you have entered your ASM license, it needs to be activated. If your machine is connected to the network, activation is rapid and automatic:

- 1 Open the SAN Disk Manager by clicking on the menu **start/All programs** and selecting **SAN Disk Manager** in the list of available programs.
- 2 In the SAN Disk Manager, click on **Licenses**: licenses you have already entered are listed and the **Activated** column contains **No**.
- 3 Right-click on the agent to activate and select **Online activation**.

If the Windows server is unable to connect to the ASM license activation server, you need to follow the offline activation procedure.

See:

[Activating ASM and FileSafe licenses \(offline\)" on page 16.](#)

Activating ASM and FileSafe licenses (offline)

If the Windows server is unable to connect to the ASM licenses activation server, this is the procedure to follow.

- 1 Enter all your license keys following the procedure outlined in the previous section.
- 2 In the SAN Disk Manager, reopen the list of licenses.
- 3 Click on each one of the products by right-clicking and selecting **Offline activation**.
- 4 In the window which opens, click on **Export license file**, and save the activation file to disk. Choose a different name for each activation file that you export.
- 5 Open Bull's activation site <http://support.bull.com/ols/online/keys/index.htm> and follow instructions.

Receiving your license files

- 1 On receiving these files from Bull, save them to disk on your Windows server.
- 2 Import your license files in the SAN Disk Manager.
You must now import the license files into your products.
- 3 Open the SAN Disk Manager, and open the list of licenses.
- 4 Click on each inactivated product and select **Offline activation**.
- 5 In the window which opens, click on **Import license file**, and select the corresponding license file on your disk.
- 6 Your license has been imported and is now activated and ready for use.

You can check the activation status of your licenses in the **SAN Disk Manager**, by looking in the **Activated** column.

Chapter 4. Licenses for block mode replication configuration options

If you wish to use certain block mode replication configuration options with the ASM Console, you need to enter a number of license keys ("Keycodes"). These keys unblock the following options:

- > Continuous mode (data is sent continuously from the primary disk and the StoreWay DPA).
- > Data compression (data is compressed before being sent to the StoreWay DPA with a view to reducing network traffic).
- > Data encryption (data is encrypted before being sent to the StoreWay DPA with a view to ensuring data security over the network).

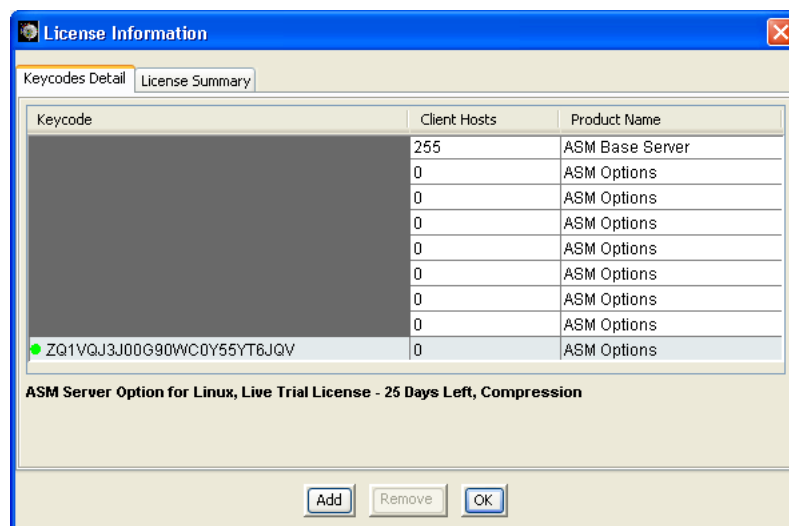
The keys for these three options are as follows:

Option	30-day evaluation key
Continuous Mode	C69E8-5UAHG-5121J-RNVDD-YT8AV
Compress Data	ZQ1VQ-J3J00-G90WC-0Y55Y-T6JQV
Encrypt Data	QRKCW-GU6NB-W3U9F-WWA7V-ZG4RV

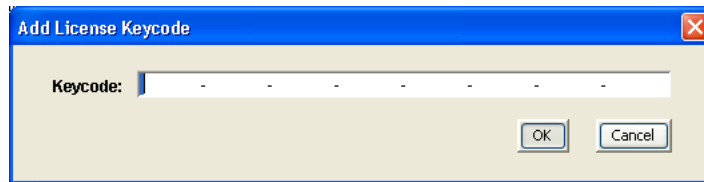
For more details on configuring block mode replication using the ASM Console, please consult the DPA_REPLICATION_V2_7_EN.pdf documentation.

Enter ASM Console licenses

- 1 In the ASM Console, right-click on the StoreWay DPA for which you want to configure a block mode replication solution. Select **License**.
- 2 In the list of licenses under the **Keycodes Detail** tab, click **Add**.



- 3 Enter one of the following evaluation keys in the **Add License Keycode** dialog box.



- 4 Repeat this operation for each option you want to activate.

NOTE: You don't need to activate these keys in the SAN Disk Manager.

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