

# Quick Start Guide

## Version 2.6

STOREWAY DPA





# STOREWAY DPA

## Quick Start Guide Version 2.6

### **Software**

March 2008

**BULL CEDOC  
357 AVENUE PATTON  
BP.20845  
49008 ANGERS CEDEX 01  
FRANCE**

**REFERENCE  
DPA\_QUICKSTART\_V2\_6\_EN**

The following copyright notice protects this book under Copyright laws which prohibit such actions as, but not limited to, copying, distributing, modifying, and making derivative works.

Copyright © Bull SAS 2008

Printed in France

Suggestions and criticisms concerning the form, content, and presentation of this book are invited. A form is provided at the end of this book for this purpose.

To order additional copies of this book or other Bull Technical Publications, you are invited to use the Ordering Form also provided at the end of this book.

### **Trademarks and Acknowledgements**

We acknowledge the rights of the proprietors of the trademarks mentioned in this manual.

All brand names and software and hardware product names are subject to trademark and/or patent protection.

Quoting of brand and product names is for information purposes only and does not represent trademark misuse.

The information in this document is subject to change without notice. Bull will not be liable for errors contained herein, or for incidental or consequential damages in connection with the use of this material.

---

## Table of Contents

<b>Chapter 1. Setting up the StoreWay DPA .....</b>	<b>7</b>
Starting the StoreWay DPA: initialization.....	8
<b>Chapter 2. Log on to the StoreWay DPA.....</b>	<b>9</b>
Logging on to the StoreWay DPA .....	10
First log on.....	11
<b>Chapter 3. Installing Agents .....</b>	<b>12</b>
Installing an agent on Windows 98, NT4, 2000, 2003, XP, Vista .....	13
Installing a Linux agent .....	14
Installing a Unix Agent .....	15
Installing a Netware Agent .....	16
<b>Chapter 4. StoreWay DPA Interface.....</b>	<b>17</b>
Home page overview.....	18
Menu structure .....	19
<b>Chapter 5. Quick configuration.....</b>	<b>20</b>
Declaring and creating systems.....	21
Starting a manual backup.....	23
Restoring data .....	24
FAQ .....	27
<b>Index .....</b>	<b>29</b>



---

# Chapter 1. Setting up the StoreWay DPA

See:

["Starting the StoreWay DPA: initialization" page 8](#)

# Starting the StoreWay DPA: initialization

## Initialize the StoreWay DPA

- 1 Unpack the StoreWay DPA.
- 2 Connect the power supply.
- 3 Connect it to the network.
- 4 Start the Appliance:
  - For models without a tape drive and models with a single tape drive, press the **on/off** button on rear of the appliance then on the push button on the front.
  - For models with an integrated tape library, the appliance starts automatically.

**WARNING:** For models with an integrated tape library, connect the tape library to the power supply before switching on the disk array.

Once the StoreWay DPA is switched on, it is ready to be initialized (name + network address plan):

- 5 Insert the CD-ROM **StoreWay® DPA Initial Setup (Windows), Agents (Windows, Linux, Netware, MAC OS), Graphical User Interface Setup, ASM & Disaster Recovery Agents Windows) Version X.X.XXX** on the Windows server you wish to protect.

**NOTE:** You can also configure the appliance in console mode if there is a screen and keyboard connected. In this case, use the log on: «console», default password « console », options: DHCP, DNS Server.

**NOTE:** If the web page does not open, run **d:\setup\install.htm**, where d: is the CD-ROM drive.

- 6 Follow the set up procedure.
  - The detected StoreWay DPA or the list of detected StoreWay DPA is displayed. A newly-detected StoreWay DPA appears with just its ID (which corresponds to the serial number).
  - Select the StoreWay DPA you wish to initialize and complete the StoreWay DPA **name** field. Only use alphanumeric characters, the first character must be a letter and the name not exceed 19 characters.
  - Select the elements required for the network configuration, typically use an automatic IP and DHCP address configuration, then enter the SMTP mail server name:
  - A summary of this configuration is displayed. Click **Next** to apply the configuration. Wait until the «Configuration Finished» window is displayed.  
**Open a browser and log onto the StoreWay DPA:**

**http://<my\_StoreWay\_DPA\_name>**

- 7 Click **Connect** to start the wizard as soon as the StoreWay DPA is free. See the following chapter for a description of how to log onto a StoreWay DPA for the first time.

---

## Chapter 2. Log on to the StoreWay DPA

See:

["Logging on to the StoreWay DPA" page 10](#)

["First log on" page 11](#)

## Logging on to the StoreWay DPA

To log on to the StoreWay DPA, you simply need a web browser on any workstation connected to the network and the StoreWay DPA name or IP address.

**https://<my\_StoreWay\_DPA\_name>**

or

**https://172.16.10.111**

When you log on for the first time, an installation and configuration wizard guides you through the final stages of the configuration. For subsequent logins, a login window opens and you can log on with the admin user account you configured with the installation and configuration wizard.

# First log on

The activation and configuration of a StoreWay DPA comprises 6 stages:

## 1 Accepting the license

- This screen informs you of the conditions of use of the software provided with the StoreWay DPA. Please read license details before accepting.

## 2 Configuring the date and time

- To ensure synchronization between your systems and the StoreWay DPA, it is important to apply the current date, time and time zone.

## 3 Activating the StoreWay DPA

- To obtain your license, download your appliance identification file then log onto the activation web page where you must provide this file along with the license keys.
- If you do not have a license yet, select the option « 30-day trial period » to be able to use your appliance immediately: you can activate your license at a later date before the end of this trial period.

## 4 Configuring the administrator's account.

The StoreWay DPA has a privileged user called « admin ». This user can access all StoreWay DPA functions.

- Provide an email address (mandatory) and a password (minimum 6 characters). Keep this password in a secure place.
- The email address is used to send important messages about your appliance.

## 5 Configuring and setting storage space.

- This step allows you to configure the space reserved for the Advanced Storage Module (ASM). This space is used to backup Windows partitions in real time using the ASM agents.
- The license key code to activate ASM space is the following:

**S11AT-XTZRQ-7FAZA**

**NOTE:** This feature is unavailable on models without a tape drive which are equipped with DVD burners.

## 6 Final wizard window

- The wizard sequence is now over. Click on the **Connection** button to go to the login page.
- Your StoreWay DPA is now operational. You can install the agents on the servers and work stations to protect and configure your backup strategy (data, applications, frequencies, timeslots, retention periods etc.).

---

## Chapter 3. Installing Agents

This chapter explains how to install a StoreWay DPA Agent on client machines to enable their backup.

See:

["Installing an agent on Windows 98, NT4, 2000, 2003, XP, Vista" page 13](#)

["Installing a Linux agent" page 14](#)

["Installing a Unix Agent" page 15](#)

["Installing a Netware Agent" page 16](#)

# Installing an agent on Windows 98, NT4, 2000, 2003, XP, Vista

The installation procedure is the same on Windows 98, Windows NT 4, Windows 2000, Windows 2003, Windows XP and Windows Vista.

## 1 Install the StoreWay DPA agent on Windows machines.

You can either:

- Insert the CD-ROM **StoreWay® DPA Initial Setup (Windows), Agents (Windows, Linux, Netware, MAC OS), Graphical User Interface Setup, ASM & Disaster Recovery Agents Windows) Version X.X.XXX** CD-ROM in the CD-ROM drive of the machine where you want to install the agent.

or:

- Enter the following address in your browser to access the install packages on the StoreWay DPA:

**https://<@ip\_StoreWay\_DPA>/agents/**

or

**https://<StoreWay\_DPA\_name>/agents/**

(where @ip\_StoreWay\_DPA is the StoreWay DPA IP address and has this format: 192.168.2.7).

**NOTE:** If this page is not displayed within a few seconds after inserting the CD-ROM, click the « Workstation » icon on your computer desktop, then in the CD-ROM drive, double click the « install.htm » file in “setup”.

## 2 Follow the setup program.

After confirming your information, the agent is installed on the machine.

**NOTE:** You will need to restart the machine (now or later).

## Installing a Linux agent

- 1 Insert the CD-ROM **StoreWay® DPA Initial Setup (Windows), Agents (Windows, Linux, Netware, MAC OS), Graphical User Interface Setup, ASM & Disaster Recovery Agents Windows) Version X.X.XXX** in the CD-ROM drive of the machine where you want to install the agent.
- 2 Follow the instructions on the page displayed automatically.
- 3 Select **Linux - StoreWay DPA agent** to install the agent on the computer.
  - The installation program is displayed.
  - Non-graphical mode: Follow the instructions in the readme.txt file in the **StoreWay® DPA Agents (Unix, Linux, AS400 & MAC OS) Command Line Interface Setup Version X.X.XXX** CD-ROM.

**NOTE:** Under Linux, the installation program may request you to enter the name of your StoreWay DPA and not to select it from a list.

The installation is the same as for Linux in command-line mode: follow the instructions provided in the readme.txt file in the **StoreWay® DPA Agents (Unix, Linux, AS400 & MAC OS) Command Line Interface Setup Version X.X.XXX** CD-ROM.

## Installing a Unix Agent

This installation is identical to the Linux installation in non-graphical mode : follow instructions provided in the readme\_en.txt on the **StoreWay® DPA Agents (Unix, Linux, AS400 & MAC OS) Command Line Interface Setup Version X.X.XXX** CD-ROM.

## Installing a Netware Agent

Refer to the StoreWay DPA Netware agent installation guide.

---

## Chapter 4. StoreWay DPA Interface

See:

["Home page overview" page 18](#)

["Menu structure" page 19](#)

## Home page overview

- > The **alarm** button  displays alarms sent by the StoreWay DPA.
- > The **logs** button  displays StoreWay DPA logs.
- > The **Central zone** displays information accessible via the different menus.
- > The **event bar** contains action buttons (updates, deletes etc.) which correspond to information in the central pane.
- > The **Online help** button  opens a new window which contains context sensitive help.
- > The **Log off** button  closes the interface and displays the StoreWay DPA log on window.
- > The **homepage** shortcuts give direct access to the pages you want without using the menu. The shortcuts are not displayed on other pages, and in their place there is the StoreWay DPA **Navigation** pane (directory tree of declared applications and systems or sub-menus).
- > The **General Menu** comprises 4 items: **settings, operations, alarms** and **reports** (see "Menu structure" page 19).
- > The **Homepage** link which accesses the homepage from anywhere in a browse sequence.

## Menu structure

---

### SETTINGS MENU

---

Creation, deletion, modification of backed up client systems and applications.

Backup parameters: profiles, retention periods, media rotation management.

User accounts and privileges.

StoreWay DPA configuration (network, license, date and time, updates etc).

---

### OPERATIONS MENU

---

Data restoration.

Data backup.

Media management, ASM storage space, library management (DPA > 900 models).

---

### ALARMS MENU

---

Consultation of alarms.

---

### REPORTS MENU

---

Reports on previous backups.

Diary of events, diagnosis.

Media management, ASM storage space, library management (DPA > 900 models).

---

---

## Chapter 5. Quick configuration

See:

["Declaring and creating systems" page 21](#)

["Starting a manual backup" page 23](#)

["Restoring data" page 24](#)

## Declaring and creating systems

By default, each system where the agent is installed is automatically detected and identified by the StoreWay DPA. Two system detection modes are available:

- > The **semi-automatic mode** is predefined in the **settings/StoreWay DPA/Systems Creation** mode.
- > An **automatic mode** is also available which enables you to define an association matrix for systems to be declared automatically in the interface and associated with a backup profile. This means that backup is immediately operational on these systems. The semi-automatic mode requires a confirmation of declared systems, by associating them manually with a profile. See the online Help system for more information on declaring and creating systems.

### Associate systems automatically detected by the StoreWay DPA

- 1 The administrator can display the list of detected systems awaiting declaration by opening the **settings/Systems** menu and clicking the  icon.
- 2 The administrator then associates a profile of his choice with each of the systems listed and declares all the systems in a single click.

The profile enables you to define backup frequencies and timeslots in addition to the retention periods.

**NOTE:** If no profile is selected, the system will be declared but not associated with a backup profile.

### Create a system manually

- 1 In the StoreWay DPA interface, select **configuration/Systems**.
- 2 Click the icon **Create a new system** .
- 3 Enter the system name.
- 4 Choose the system type from the drop-down menu.
- 5 Check the backup profile to which the system will be associated (the «/» character in the part **Associated data to backup** field means that all system disks are backed up).
- 6 Click **create** in the event bar.

### System: Create

Description

Name:

Type:

Status:  ●

Characters encoding:

Comments:

Backup

File systems options

Backup all file systems

Data to backup

Add:

Type	Directory name
Directories	<input type="text"/>

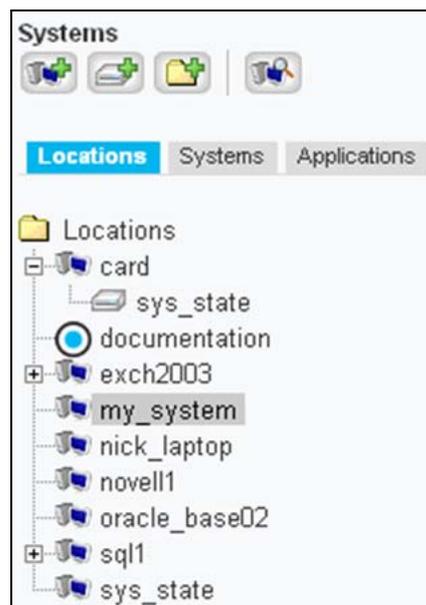
Data to be excluded

Filter

Available profiles for this system

Activated	Name	Associated data to backup
<input type="checkbox"/>	Critical servers	All disks
<input type="checkbox"/>	Laptops	All disks
<input checked="" type="checkbox"/>	Workstations	C:\Documents and Settings

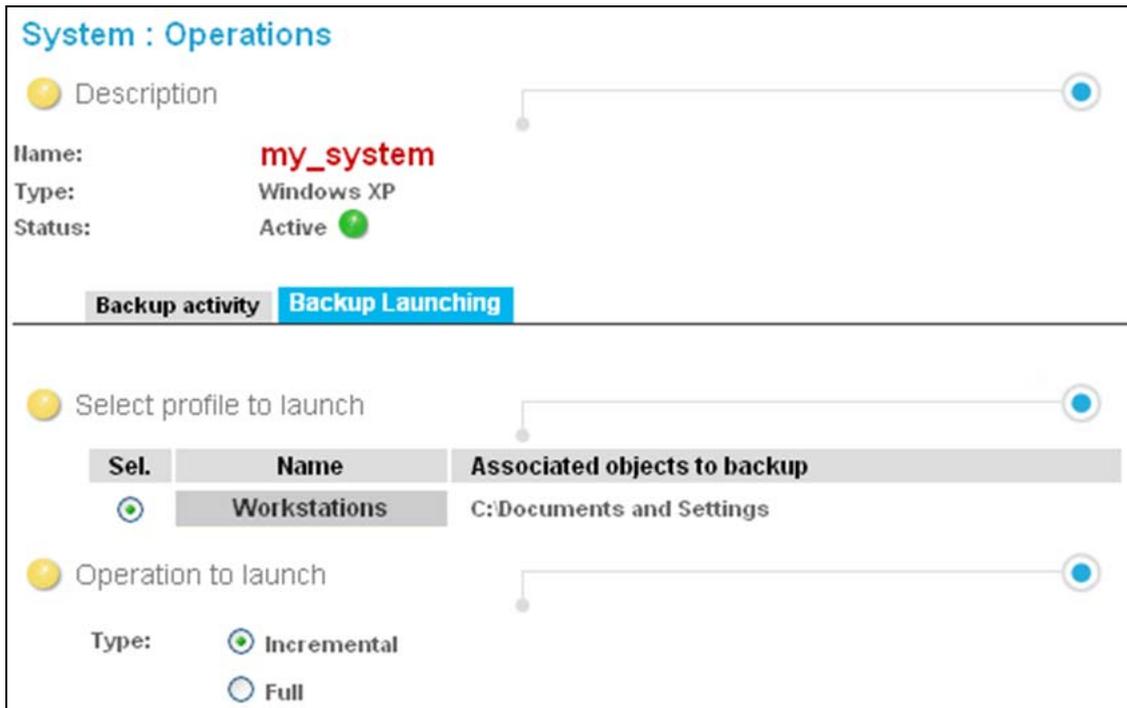
The system created is displayed in the Navigation pane and accessible in edition mode for any possible modifications.



# Starting a manual backup

## Start a quick system backup

- 1 Select **operations/backup**.
- 2 In the **Navigation** pane, click the system you wish to back up to display the system in operations mode in the central pane.
- 3 Click the **Backup Launching** tab.
- 4 Choose the profile which will define the backup configuration.
- 5 Select the **Full** backup type for the first system backup.
- 6 Click the **Start** button.



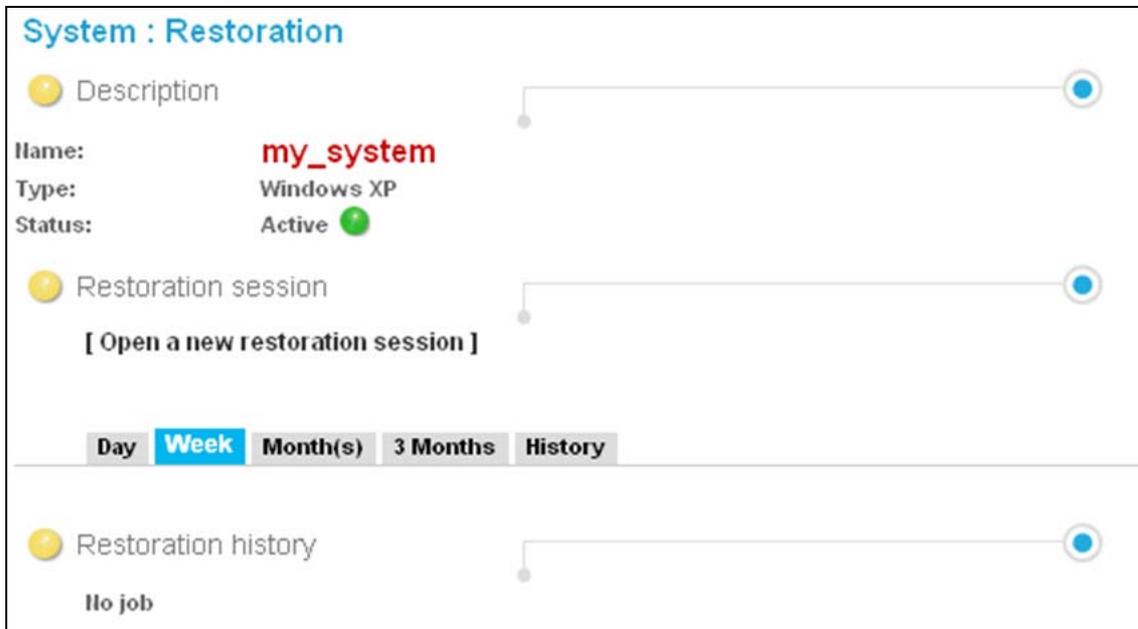
The backup job appears as being planned, and the backup starts as soon as possible.

- 7 To follow the progress of all planned backup jobs, click **Global view of backups** in the **Navigation** pane.

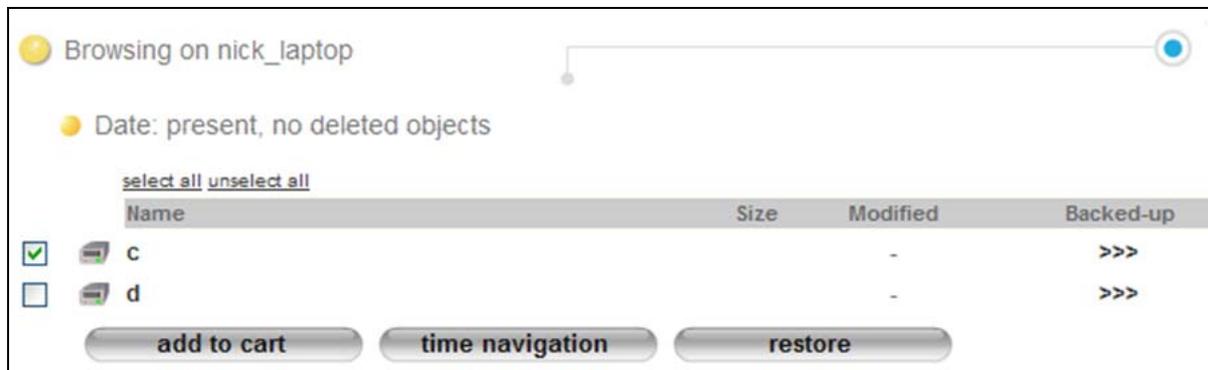
## Restoring data

### Perform a rapid restoration click operations/restoration

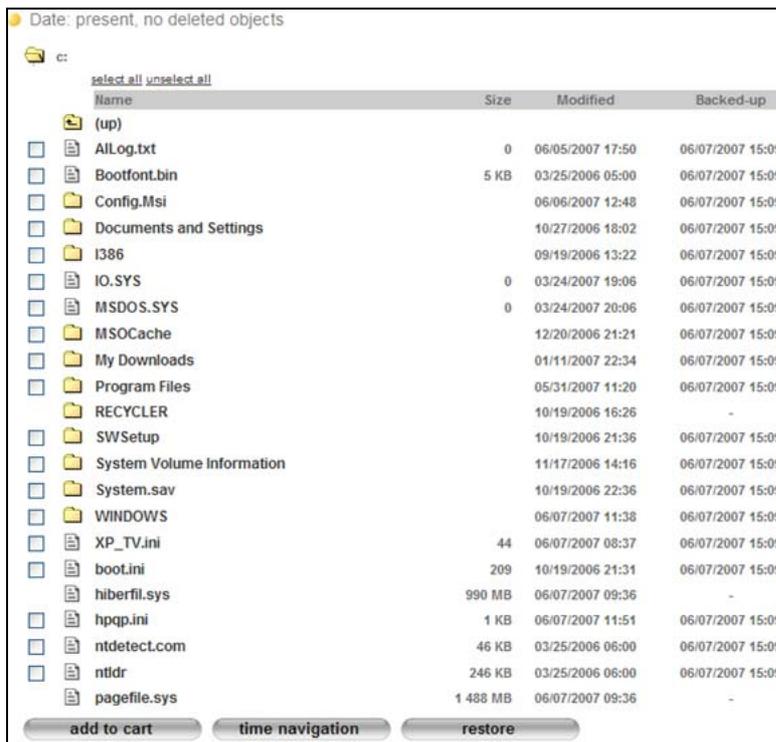
- 1 In the **Navigation** pane, click the system from which you want to restore data to display the system in restoration mode in the central pane.
- 2 Click the link [ **Open a restoration session** ].



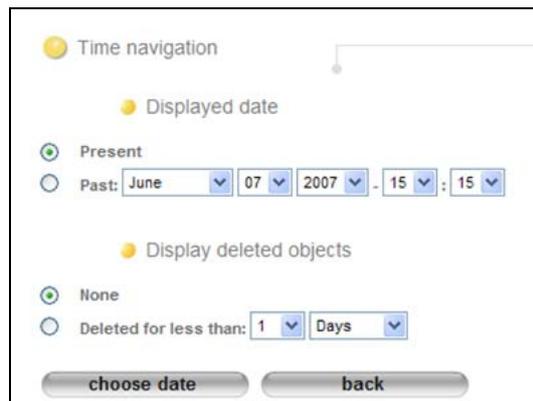
- 3 Access the tree system partition list.



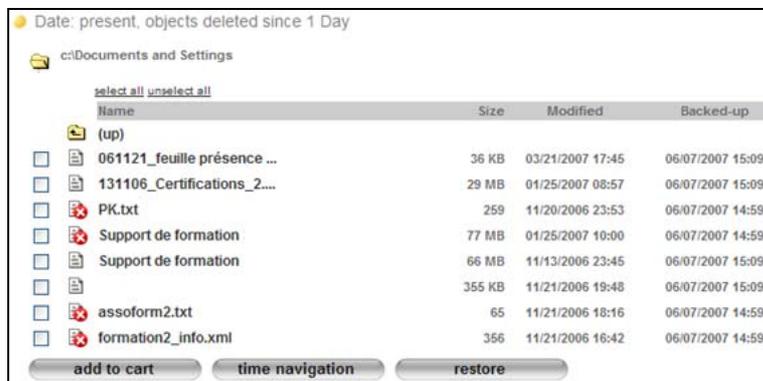
- 4 Expand the tree structure by clicking the partition letter (« c: » in this example):



- 5 Click on **time navigation** to modify the navigation date to restore data on specific date, or display missing files:

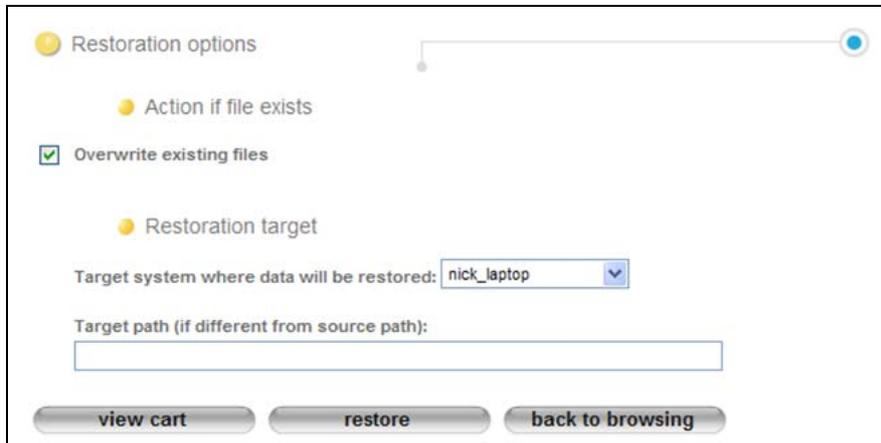


- 6 Display the missing file in the present. A missing file is tagged with a cross on a red background:



**NOTE:** Only backed up data can be viewed.

- 7 Select the file(s) to restore then click **add to cart**: this locks the selection:
- 8 Click **restore** to display the cart contents:
  - You can remove articles from the cart at this time by selecting the article and clicking **remove from cart**. Otherwise, to restore the article(s), click the checkbox and click **restore**:
- 9 Select restore options if required.



The screenshot shows a 'Restoration options' dialog box. At the top, there is a yellow circle icon and the text 'Restoration options'. Below this, there is a section titled 'Action if file exists' with a yellow circle icon. Underneath, there is a checked checkbox labeled 'Overwrite existing files'. The next section is 'Restoration target' with a yellow circle icon. It contains a dropdown menu labeled 'Target system where data will be restored:' with 'nick\_laptop' selected. Below that is a text input field labeled 'Target path (if different from source path):'. At the bottom of the dialog, there are three buttons: 'view cart', 'restore', and 'back to browsing'.

- Restore by overwriting existing data.
  - Restore to another StoreWay DPA system (which must be declared).
  - Restore to another directory (syntax system).
- 10 Click **restore**.  
The restoration begins.  
The restoration completes and the files are restored.

## FAQ

### **When I install a StoreWay DPA Agent, the installation procedure does not propose the name of the appliance.**

The installation procedure uses a specific protocol to find the appliance, which can be filtered by a network element (router filter, firewall). In this case, enter the appliance name manually.

### **The backup does not begin.**

Consult the list of alarms by clicking on the coloured button in the bottom left of the page. The alarms usually highlight the source of the problem.

### **An alarm indicates that an agent cannot be reached.**

The appliance cannot connect to the process which needs to run on its agent. Check that the service or agent process has started.

### **An alarm informs that the agent address is unknown.**

The appliance cannot resolve its agent's IP address. Check the appliance's network information by consulting the **settings/Configuration/StoreWay DPA/Network** menu. Enter the DNS server or the agent IP address in the Hosts file located in **settings/StoreWay DPA/Network/Hosts**.



---

# Index

## A

- activate
  - StoreWay DPA 11
- administrator
  - configure account 11
- agents
  - installation 12
- automatic mode
  - systems creation 21

## B

- backup
  - manual 23

## C

- client 12
- configure
  - administrator's account 11
  - storage space 11
- create
  - systems 21

## D

- data
  - restore 24
- date and time
  - configure 11
- declare
  - systems 21

## F

- FAQ 27

## H

- homepage
  - access 18

## I

- initialize
  - StoreWay DPA 8
- installation
  - agents 12

- interface
  - StoreWay DPA 17

## L

- Linux
  - installation of agents 14
- log off 18
- log on
  - StoreWay DPA 9

## M

- manual system creation 21

## N

- Netware
  - installation of agents 16

## O

- online help 18

## R

- restoration
  - data 24

## S

- semi-automatic mode
  - systems creation 21
- start
  - StoreWay DPA 8
- storage space
  - configure 11
- StoreWay DPA
  - activate 11
  - initialize 8
  - interface 17
  - log onto 9
  - start 8
- system
  - manual creation 21
- systems
  - create 21
  - declare 21

systems creation  
    automatic mode 21  
    semi-automatic mode 21

## T

time navigation 25

## U

Unix  
    installation of agents 15

## W

Windows  
    installation of agents 13





**BULL CEDOC**  
**357 AVENUE PATTON**  
**B.P.20845**  
**49008 ANGERS CEDEX 01**  
**FRANCE**  
**REFERENCE**  
**DPA\_QUICKSTART\_V2\_6\_EN**

