Replication Modules
Release Notes
Version 2.7.300

STOREWAY DPA

Replication Modules

Release Notes
Version 2.7.300

Software

May 2008

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Modules for data replication in file mode or block mode

The StoreWay DPA now includes network replication features. Two StoreWay DPA network replication modules: file mode (NExt) and block mode (ASM replication) enable organizations to free themselves totally of tape and physical media management tasks.

On a standard StoreWay DPA, replication is performed by duplicating data backed up on disk to another media (tape/DVD according to the models). Network replication modules comprise two components: a StoreWay DPA Client (either NExt file mode or ASM block mode) which is an appliance installed in a remote site or agency site, with replication performed on a StoreWay DPA which centralizes data. This StoreWay DPA is equipped with a "Data Center" (either NExt file mode or ASM block mode).

Network replication is available in the form of two complementary modules which can be added to a StoreWay DPA:

> the replication module in file mode (NExt), enables you to duplicate protected data in file mode from one StoreWay DPA to another StoreWay DPA,

> the replication module in block mode enables you to duplicate protected data in block mode in the ASM space to another StoreWay DPA.

The installation of the replication modules in file or block mode requires you to use the 2.7.300 master installation. It is impossible to update an older StoreWay DPA.

Mastering a StoreWay DPA appliance

IMPORTANT: If you wish to use the network replication features offered by the version 2.7.300 (in file and/or block mode), you must remaster your StoreWay DPA to version 2.7.300.

The CD Master is called **StoreWay DPA Master CD-ROM Version 2.7.300.**

Mastering a StoreWay DPA version 2.7.300 comprises three key steps:

1   The choice of the model StoreWay DPA. Should it have a tape drive? What volume will be required for my externalization configuration?

2   Dimensioning disk space on the StoreWay DPA. In other words: the space you want to dedicate to replications in file mode and, if required, the ASM space dedicated to replications in block mode.

3   The activation of licenses for the replication modules. For more information, please consult:

>   In the case where block mode replication modules are activated, the ASM Console needs to be installed.

Choosing the appliance model

In version 2.7.300, the StoreWay DPA model must be selected with great care depending on the planned use and role of the StoreWay DPA. Some appliances have tape drives, others do not.

When applying the appliance master, a list of models is proposed. The choice of models must be based on the following criteria:

>   The physical model of the appliance (notably its data storage capacity)

>   Whether its role is as a Client or a Data Center and the type of externalization required: file mode and/or block mode,

>   If a tape drive is required on the Data Center StoreWay DPA for supplementary data replication requirements.

NOTE: For more information on mastering the replication appliance, see the DPA_REPLICATION_EN.

Known problems in version 2.7.300

REF: 1515 : The eDisk size is displayed incorrectly displayed when transfered to tape.

The size displayed in the list of eDisks dans le NExt Data Center (page **operations/ Storage/Manage eDisks**) is the only referenced size. When eDisks are transfered to tape, the size no longer corresponds to the global eDisk contents.

REF: 1517 : The logs are not clear when there is no more space on the eDisk and an ePRA is launched.

In the event of a shortage of space on the eDisk, the ePRA does not occur normally. The log generated in this case is not very clear. Before the disk space is filled, an alarm is sent to indicate that the eDisk has reached its threshold. You should modify the space allocated to the disk at this time.

REF: 1521 : The volume of the latest NExt Data Center deposit is always displayed in MB.

NExt Data Center data deposits are always displayed in MB. For significant data deposits (in thousands of MB), there is no conversion to GB.

REF: 1536 : eDisk space allocation does not correspond to the space displayed in the NExt Data Center.

When you allocate eDisk space and the value is not a multiple of 1024, the system modifies the space allocated to the closest multiple of 1024 (rounded down to the nearest decimal). For example : if you allocate 7000 MB (6,8359375 X 1024), the space displayed will be 6963,2 MB (6,8 X 1024).

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