

DataScale

Read Me First

NOVASCALÉ



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Chapter 1. Overview

The DataScale offering comprises four pre-assembled configurations combining NovaScale servers, StoreWay EMC CLARiiON AX4 storage sub-systems and related implementation software and services, supporting Red Hat EL 5.1 Advanced Platform and Oracle:

- DataScale Standard
- DataScale Enterprise 1
- DataScale Enterprise 2
- DataScale Enterprise 3

Three service packs are available to Customers for all DataScale solutions:

- | | | |
|--------------------|----------------------|----------|
| • Service Pack (0) | Default installation | included |
| • Service Pack (1) | System installation | optional |
| • Service Pack (2) | Oracle installation | optional |

1.1 Service Pack 0 (Included) – DataScale Default Installation

Service Pack 0 (SPO) is the default service level. This service pack ensures that DataScale is ready for System installation and configuration. It includes:

- factory rack-assembly and internal wiring
- factory configuration of the AX4 storage subsystem
- factory pre-load of RHEL 5.1 Advanced Platform
- factory pre-load of Bull Database Load Partitioning (DDFA), used to allocate resources according to needs
- factory pre-load of EMC Powerpath 5.1, used to obtain information about SCSI hosts and devices

If you have not subscribed to Service Packs 1 and/or 2, please consult the **System Release Bulletin** provided with the software media for guidance about Red Hat and the **DataScale Release Bulletin** provided on the **DataScale Media & Documentation DVD** for guidance about installing Oracle.

1.2 Service Pack 1 (Optional) – DataScale System Installation

Service Pack 1 (SP1) is an optional service level for System installation and configuration. The names of the System Installation service packs associated to each DataScale solution are:

- DataScale Standard System Installation
- DataScale Enterprise 1 System Installation
- DataScale Enterprise 2 System Installation
- DataScale Enterprise 3 System Installation.

These service packs ensure that DataScale is ready for Oracle installation and configuration. They include:

- on-site unpacking and depalletization
- on-site installation, including connection to the electric network
- on-site installation, including connection to the customer network
- on-site installation, including re-configuration of the AX4 storage subsystem on the customer network

Note:

If you have not subscribed to Service Pack 2, please consult the **DataScale Release Bulletin** provided on the **DataScale Media & Documentation DVD** for guidance about installing Oracle.

1.3 Service Pack 2 (Optional) – DataScale Oracle Installation

Service Pack 2 (SP2) is an optional service level for Oracle installation and configuration. The names of the Oracle Installation service packs associated to each DataScale solution are:

- DataScale Standard Oracle Installation
- DataScale Enterprise 1 Oracle Installation
- DataScale Enterprise 2 Oracle Installation
- DataScale Enterprise 3 Oracle Installation.

These service packs require the prior installation of RHEL 5.1 Advanced Platform and ensure that DataScale is ready for operation. They include:

- on-site installation of Oracle ASMLib 2.0
- on-site node configuration for Oracle
- on-site installation of Oracle Clusterware 10.2.0.3 or 11.1.0.6, as appropriate
- on-site installation of Oracle Database 10.2.0.3 or 11.1.0.6, as appropriate
- on-site installation of Oracle Patchset 10.2.0.3
- on-site creation of a test database, using ASM

Note:

If you have not subscribed to Service Pack 1, please consult the **DataScale Release Bulletin** provided on the **DataScale Media & Documentation DVD** for guidance about installing Red Hat.

Chapter 2. Software and Documentation Media

A complete software and documentation media set is provided with each DataScale configuration. According to the service level associated with your order, you may or may not need the software and documentation to install and configure your DataScale system.

The following table itemizes the software and documentation media sets provided with DataScale configurations.

DataScale Model	CD or DVD Title	SPO	SP1	SP2	SW	Doc
All	Red Hat Enterprise Linux Server V5.1 for EM64T M&D	X			X	X
	Red Hat Enterprise Linux Server V5.1 – up to 2 sockets – 1 Yr Support	X			X	
	Bull DDFA Linux on NovaScale Universal Series	X			X	X
	DataScale Integration Software & Documentation			X	X	X
Enterprise 1	Bull Application Roll-over Facility			X	X	X

Table 2-1. DataScale software and documentation sets

Chapter 3. Installation and Configuration Workflow

The following table recapitulates the installation and configuration steps for the different DataScale models. A pointer to the relevant software and documentation media and/or printed documentation is given for each step. Please consult the *DataScale Release Bulletin, 86 A2 69EJ* for installation and configuration information and instructions.

Step	DataScale Model	SPO	SP1	SP2	Software & Documentation Media	Printed Documentation
Physical Installation						
Unpacking	All		X			Documentation on rack
Depalletization	All		X			Documentation on rack
Connection to electric network	All		X			Documentation on rack
Connection to customer network	All		X			According to the customer needs
Software Installation and Configuration						
RHEL 5.1 Advanced Platform	All	X			On RHEL5.1 CD	System Release Bulletin
Bull DDFA	All	X			On Bull DDFA CD	
EMC Powerpath 5.1	all	X			On DataScale DVD	
Bull ARF	Enterprise 1			X	On Bull ARF CD	System Release Bulletin
Bull NovaScale Master HW	Enterprise 1			X	On DataScale DVD	DataScale Release Bulletin
Oracle ASMLib2.0	All			X	On DataScale DVD	DataScale Release Bulletin
Oracle Clusterware 10.2.0.1	Standard Enterprise 2 Enterprise 3			X	On DataScale DVD	DataScale Release Bulletin
Oracle Clusterware 11.1.0.6	Standard Enterprise 2 Enterprise 3			X	On DataScale DVD	DataScale Release Bulletin
Oracle Database 10.2.0.1	All			X	On DataScale DVD	DataScale Release Bulletin
Oracle Database 11.1.0.6	All			X	On DataScale DVD	DataScale Release Bulletin
Oracle Patchset 10.2.0.3	All			X	On DataScale DVD	DataScale Release Bulletin

Table 3-1. DataScale installation and configuration workflow

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