

FUJITSU Software BS2000 FDDRL

Version V21.0A
June 2021

Release Notice

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1 General

This Release Notice is a summary of the major extensions, requirements and operating information with regard to FDDRL V21.0A under the BS2000 operating system.

FDDRL (Fast Disk Dump and ReLoad) is a software product for BS2000 which is used for physical backup and restore of the contents of disks and pubsets. FDDRL supports public and private disks in BS2000 format.

FDDRL enables you to physically back up the contents of a disk to disk or tape cartridges. You can then use the backup data media to restore the contents of this disk. During the physical backup of data using FDDRL, all metadata required to operate the disk (disk labels, file catalogue, paging file, boot function) are backed up as well.

FDDRL V21.0A knows several tape formats which differ in performance and compatibility. Any tape format is linked to an FDDRL version that supports (or supported) it for the first time. A former tape format promises to meet compatibility requirements, later tape formats promise to deliver high performance.

Disk-Set-Backups created with the default setting are created in V17-Tape-Format (if 4-times multiplexing is calculated by FDDRL) or V16-Tape-Format (if 2-times multiplexing is calculated by FDDRL). They can be restored with FDDRL as of the corresponding version.

Single-Disk-Backups created with the default setting are created in V15-Tape-Format. They can be restored with FDDRL as of V15.0A.

The applicable restrictions are described in the FDDRL V21.0A documentation.

The release level is that of June 2021.

These and other current release notices are contained on the SoftBooks DVD and are available online at <https://bs2manuals.ts.fujitsu.com/>.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices (and README files) of the previous versions must be taken in account as well.

1.1 Ordering

FDDRL V21.0A can be ordered from your local distributors.

This software product is supplied subject to a single payment or payment by instalments.

1.2 Delivery

The FDDRL V21.0A files are supplied via SOLIS.

The following delivery components are required regardless of the HSI:

SYSMES.FDDRL.210	Message file
SYSNRF.FDDRL.210	NOREF file for REP processing when loading the FDDRL subsystem
SYSPAR.FDDRL.210	Parameter file for FDDRL
SYSPRC.FDDRL.210	LMS library with FDDRL procedures
SYSRMS.FDDRL.210	Object corrections RMS format
SYSSDF.FDDRL.210	Subsystem syntax file with START-FDDRL command and statements for FDDRL and FDDRL-OS
SYSSII.FDDRL.210	IMON structure and installation information file
SYSSSC.FDDRL.210	Subsystem declarations

The following delivery components are only required on S- and SE-Servers (SE500/SE700):

SYSLNK.FDDRL.210	Object module library for loading the FDDRL modules (/390-HSI); must also be assigned as TASKLIB when duplicating FDDRL backup tapes with PERCON
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The following delivery components are only required on x86-Servers (SE300):

SKMLNK.FDDRL.210	Object module library for loading the FDDRL modules (X86-HSI); must also be assigned as TASKLIB when duplicating FDDRL backup tapes with PERCON
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The current file and volume characteristics are listed in the SOLIS2 delivery cover letter.

1.3 Documentation

The following documentation is available for FDDRL V21.0A:

FDDRL V21.0A Benutzerhandbuch
FDDRL V21.0A User Guide

BS2000 Performance-Handbuch
BS2000 Performance Handbook

The BS2000 documentation is available in German and English on DVD with the title "BS2000 Softbooks".

The handbooks may be supplemented with README files. These contain changes and extensions to the handbooks of the product concerned. The README files are available on the SoftBooks-DVD and online on <http://manuals.ts.fujitsu.com>.

Handbooks and README files are shipped as PDF files on the SoftBooks-DVD.

2 Software extensions

Only the extensions and enhancements over the previous version FDDRL V20.0A are described below:

- The MERGE-PAR procedure for mixing FDDRL parameter files is made available in the SYSPRC.FDDRL.210 library.
- The procedures SYSPRC.FDDRL.210.CHECK-OLS and SYSPRC.FDDRL.210.CHECK-OLS.C are available as J- and SYSJ elements in the library SYSPRC.FDDRL.210

3 Technical information

3.1 Resource requirements

The following storage space is required for FDDRL operation:

Disk storage space (static):	less than 3 MB
Disk storage space (dynamic):	6 KB per FDDRL subtask
Virtual address space (memory classes 3, 4, 5)	static: max. 0.2 MB (/390) max. 0.5 MB (X86)
	dynamic: max. 1.8 MB

3.2 Software configuration

FDDRL V21.0A requires BS2000 OS DX version V1.0A.

The products, which must be purchased, MAREN and/or JV (Job Variables) can be used as optional software.

3.3 Product installation

Installation of the product FDDRL with the IMON installation monitor is mandatory. You must follow the information concerning installation in the delivery cover letter and in the product documentation as well as the information in this Release Notice.

Before calling IMON, you must carry out the actions listed in the delivery cover letter as installation requirements.

After these actions have been executed you have to install the product with IMON. The necessary inputs and the sequence of the installation are described in the IMON documentation.

3.4 Product use

Information on using FDDRL V21.0A can be found in the FDDRL V21.0A documentation.

FDDRL can work with or without MAREN and with or without JV. FDDRL uses these for noting down information about backup volumes which have been used at the data backup with FDDRL.

FDDRL V21.0A will be introduced in line with the workshop BS2BACKUP at Fujitsu Technology Solutions (<http://training.ts.fujitsu.com>).

3.5 Obsolete functions (and those to be discontinued)

None

3.6 Incompatibilities

There are no incompatibilities for FDDRL V21.0A to version V20.0A.

3.7 Restrictions

There are no restrictions for FDDRL V21.0A

3.8 Procedure in the event of errors

If an error occurs, the following error documents are needed for diagnostics:

- System dump (if available)
- SYSOUT log of the FDDRL main task
- Report file
- Correction file used (SYSREP.FDDRL.210)
- Parameter file used (SYSPAR.FDDRL.210)
- Entered FDDRL statements

If the error occurs in conjunction with backup tapes, these should be kept until the cause is found.

4 Hardware support

FDDRL V21.0A will run on all processors supported by BS2000 OS DX V1.0A.

FDDRL V21.0A supports all disk and tape types that are supported by BS2000 OS DX V1.0A.