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Datasheet
FUJITSU Software BS2000
RFA V20.0

Remote File Access

SHORT DESCRIPTION

Using RFA (Remote File Access) it is possible for BS2000 users to access the databases of other BS2000 systems from their task. In this regard, it is irrelevant whether these systems run on a native basis on a server or as guest systems under VM2000.

Access can be effected via interfaces of the BS2000 data administration system (DVS), both via BS2000 commands and via program interfaces.

Each task can establish an RFA connection with a maximum of 16 other systems. Prerequisite to this is that all the systems involved form a subset of a BCAM network.

RFA thus enables users to process data stored on another system without having to copy these data to the local system.

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Product Characteristic

When using RFA to access files, the communication partners can be connected locally or remotely, and the requested files can be stored on private or public volumes. Except for EAM, all DMS access methods are supported in addition to the majority of DMS commands and many of the utility routines. RFA also supports file transfer from one BS2000 server to another.

There is generally no need to modify the user program in order to access files via RFA. Only the job control language (JCL) needs to be converted in order for jobs generated for local data processing to be able to access data stored on other BS2000 systems.

Setting up a partner task

Before a task can access data stored on another BS2000 system, it must first send a special command in order to initiate a partner task on that BS2000 system. This partner task is set up under the user ID and account number of the initiating task.

Each user task can operate with up to 16 partner tasks.Data access.

Data access

All data access operations are conducted via the partner task, without any direct communication between the partner task and the initiating process. The latter submits its requests to the operating system in the normal way, and it is the operating system which then handles the communication with the partner task through the medium of the RFA component.
The data access itself is performed by the partner task (i.e. by a user task created under the user ID of the initiating task). In other words, this provides a simple means of ensuring that the normal BS2000 data protection measures are not violated even when using remote access.

RFA V20.0 supports RFA links to following BS2000 systems:

- BS2000 OSD/BC V11.0 via RFA V20.0

RFA supports the access to files > 32 GB.
RFA supports the access to the encrypted files.
But not their encryption or decryption (ENCRYPT-FILE and DECRYPT-FILE commands).

Technical details

Technical Requirements **Hardware**	BS2000 Business Server
Technical Requirements **Software**	BS2000 OSD/BC V11.0 openNet Server as of V4.0 TIAM V13.2
Implementation Language	Assembler, SPL
User Interface	Commands English Message texts either English/German
Installation	By the user, on basis of the Release Notice
Documentation	RFA V14.0A Remote File Access User Guide (also applies to RFA V20.0) The documentation is available as online manuals, see http://manuals.ts.fujitsu.com/mainframes.html,or in printed form which must be paid for and ordered separately at http://manualshop.ts.fujitsu.com .
Training	See course offer at: http://globalsp.ts.fujitsu.com/dmsp/Publications/public/ca_bs2000-course_de.pdf (german)
Conditions	This software product is supplied to the customer against a single payment or installments in accordance with our conditions for the use of software products.
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