

RFA (BS2000/OSD) Version 16.0

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Remote File Access

Remote File Access (RFA) enables BS2000 users to access data resources residing on other BS2000 servers and on other VM2000-managed BS2000 systems from their current task.

This remote data can be accessed by means of the access methods of the BS2000 data management system DMS, BS2000 commands and utility routines.

Every user task can be connected to up to 15 partner tasks and every BS2000 system can be connected to a maximum of 24 partner systems, provided that the systems are all part of a BCAM network.

RFA thus enables users to process data stored on another system without the need to transfer the data first by means of volume exchange.

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/OSD 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/OSD systems.

Setting up a partner task

Before a task can access data stored on another BS2000/OSD system, it must first send a special command in order to initiate a partner task on that BS2000/OSD 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 15 partner tasks, i.e. one user task can access data resources on up to 24 partner systems simultaneously.

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/OSD data protection measures are not violated even when using remote access.

RFA V16 supports RFA links to following BS2000 systems:

- BS2000/OSD-BC V7.0
- BS2000/OSD-BC V6.0 via RFA V15.0
- BS2000/OSD-BC V5.0 via RFA V14.0.

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 Data

Hardware

BS2000/OSD business servers of the S series
business servers of the SX series

Software

On business servers of the S series:

BS2000/OSD-BC V7.0
openNet Server as of V3.2
TIAM V13.1

On business servers of the SX series:

OSD/XC V3.0

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 valid for RFA V16.0)

Training

See course offer at:
<http://www.fujitsu-siemens.com/training>

Conditions

This software product can be purchased by the customer against a single payment or leased in accordance with our conditions for the use of software products.

Ordering and delivery

This software product may be obtained from your local Fujitsu Siemens Computers regional office.