

Remote Spool Output

Topics



Product characteristic

RSO (Remote Spool Output) is an optional add-on product supplementary to the central BS2000 spool system. It enables printouts to be produced on network printers ('Host-to-LAN printing').

Product description

RSO supports a great many printer configurations with a variety of connection types. Interoperability with Berkeley-compatible spool systems, made possible by the support for the BSD (Berkeley Software Distribution) / LPD (Line Printer Daemon) protocol (RFC 1179), means that other printers can also be addressed. The additional support of the HTTP based IPP (Internet Printing Protocol) protocol allows the RSO user to access IPP printers (either printer or server) through the Internet/Intranet. Secure printing is supported as of IPP V1.1, i.e. print files can be encrypted before being sent to the network.

Unicode printers (e.g. Printronix P7000) are supported, too.

Thanks to the generic symbolic printer types for the de facto standards PCL, PostScript, IBM Proprinter and EPSON FX/LQ/SQ, practically all printers available on the market are covered.

The universal use of RSO as the central remote spool system in BS2000 is rounded off by the availability of an OLTP interface, which enables RSO also to be used as the spool system for openUTM.

By integrating the functions and user interfaces in the central spool system, uniform, simple yet functionally powerful administration/operation of the printers is assured.

Functional description

Flexible User Interface

The user accesses the devices supported by RSO, as well as all other printers, via the SPOOL commands. All central print functions, so far as they are relevant for the given device, are thus available to him.

In addition there are parameters for calling specific functions of the printer concerned, such as duplex printing, rotation, margin setting, selection of input/output tray or sorter, paper format selection, assigning overlays, etc.

Likewise the printout processes for RSO devices can be controlled (change of priorities) or queried.

Optimum portability of printer jobs (for example when a device breaks down or when new models are installed) between functionally equivalent printers, local or remote, is ensured through the utilization of largely device-independent logical interfaces. A transparent mode and symbolic (generic) printer types are also available to provide rapid support for device types for which there is (as yet) no logical support.

Uniform Administration

Like all other spool devices, the RSO devices can also be managed through the central interface of the system administrator / operator. However, in view of the remote installation of these devices it is often expedient to delegate this function to an authorized user on-site. For this the function of device administrator has been created, who has special powers for certain RSO devices, corresponding to those of the local operator/system administrator. This means that he can

- direct the assignment of devices,
- interrupt/resume printout tasks,
- influence task processing by altering priorities or initiating termination,
- check the status of the printout jobs assigned to his devices,
- optimize the RSO error handling functions to suit local requirements thanks to the flexibility RSO offers for assigning recovery actions,
- influence specific aspects of RSO behavior for an individual printer by editing the parameter file.

The RSO device data are stored and managed in central files. In addition, these files contain detailed descriptions of the forms to be used, as well as character sets. The management in turn falls to the affected device administrators, while the user can find out the current status at any time.

Technical Details

Requirements

Technical Requirements Hardware	BS2000 Business Server Printers supported: Most current printers
Technical Requirements Software	OS DX V1.0 and OSD/XC V11.0
User Requirements	Knowledge of BS2000

Installation

Operating Mode	Interactive and batch mode
Implementation Language	SPL, Assembler, C
User Interface	Commands English Message texts English/German (optional)
Installation	By the user, in accordance with the user guide

Documentation and Training

Documentation	RSO User Guide RSOSERVE User Guide Manuals
Training	See course offer at: Courses (German)

Purchase and Delivery

Conditions	This software product can be purchased by the customer against a single payment or leased in accordance with the conditions for the use of software products.
Order and Delivery	This software product may be obtained from your local Fujitsu Technology Solutions GmbH regional office.

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Contact

Fujitsu
BS2000 Services
Email: bs2000services@fujitsu.com
Website: www.fujitsu.com/emeia/bs2000
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