

openUTM-Client (BS2000/OSD) Version 5.3 High End Transaction Monitor

Issue March 2007

Pages 2

Support for the CPI-C and XATMI interfaces in BS2000 for communication with openUTM applications

Product Characteristics

openUTM-Client (BS2000/OSD) supports communication between BS2000 applications and openUTM server applications in Unix/Windows systems or BS2000. This enables a client/server architecture to be implemented between BS2000 and Unix/Windows systems or another BS2000 system, i.e. part of the processing can be exported to the client.

For communication, openUTM-Client (BS2000/OSD) offers the X/Open programming interfaces CPI-C and XATMI, with UPIC as the carrier system. These interfaces enable programming to be done uniformly on both the client and the server. In addition, openUTM supports programming on the server with KDCS. The interfaces can be used in a C and a Cobol environment.

Under UPIC, the initiative for communication is always with the openUTM-Client program. The UPIC protocol is used as the transaction protocol.

The security and restart functions of openUTM are supported. Following a crash, applications can be restarted from the most recent status of the transaction.

openUTM-Client supports:

- the implementation of client/server architectures, where the number of servers (tasks) in openUTM can be set as required,
- connection of batch and DCAM applications to openUTM applications in BS2000,
- access from batch to Unix/Windows systems,
- access from batch to distributed, transactionally secure applications (e.g. openUTM CICS/IMS connection),
- greater flexibility for application architectures,
- generation of compatible client application programs

Functional description

Connection of BS2000 applications to openUTM (Unix/Windows systems) and openUTM (BS2000/OSD):

openUTM-Client (BS2000/OSD) supports access from any BS2000 task (batch and DCAM applications) to openUTM applications in Unix/Windows systems or in BS2000.

Support for client/server architecture:

Not all functions of an OLTP (online transaction processing) application need to be subject to strict transaction security controls. These functions can run outside of openUTM on a client.

The actual processing, especially access to the database, is performed with transaction security in the openUTM application (server).

Connection to other computers

Connection to an openUTM application on a remote BS2000/OSD computer is possible using openUTM-D. Connection to an openUTM application on a remote Unix/Windows computer is possible too.

New in version V5.3

- With openUTM-Client V5.3 all new features implemented since version 4.0 for open platforms now are realized in BS2000/OSD too.

Product structure

openUTM-Client is part of openUTM. openUTM in BS2000/OSD Version 5.3 is a software product consisting of the following usage rights:

- openUTM
- openUTM-D (Supplement to openUTM for Distributed Transaction Processing, the software is integrated in openUTM, the right of usage must be ordered separately)
- openUTM-Crypt (Supplement to openUTM for Encryption)
- openUTM-Client
- openUTM-CL-CR Supplement to openUTM-Client for Encryption)

Usage rights of openUTM product are offered for development, testing and runtime. They exist as usage rights for a system (in variants made for performance classes) and in the performance classes as usage rights for user classes.

For distributed transaction processing there are add-on usage rights openUTM-D available in the same range.

openUTM-Client for client applications in BS2000/OSD is add-on software with according usage rights.

For further openUTM products and usage rights cf. openUTM datasheet.

A set of manuals is available on the product DVD. The manuals can also be downloaded from the web. Single manuals are available as printed material under <http://fsc-manualshop.com/>.

Technical Data	
Technical requirements for hardware	All systems of S-series with /390-architecture All SX systems Memory requirements: Main memory: dependent on the size of the application program (min. 1.7 Mbytes) Hard disk: 3.6 Mbytes
Technical requirements for software	<ul style="list-style-type: none"> - BS2000/OSD as of V5.0 for series with /390 architecture - OSD/XC as of V1.0 for SX systems - openUTM-CL-CR V5.3A if encryption is used in openUTM applications - openNET Server as of V3.0A - DSSM as of V3.0A <p>For client/server communication optional:</p> <ul style="list-style-type: none"> - openUTM Enterprise Edition (UNIX-Systeme) as of V5.1 - openUTM Enterprise Edition (Windows) as of V5.1 - BeanConnect (Unix systems/Linux/Windows) as of V2.0 (contains JConnect as of V2.0) and Oracle AS 10g <p>For further connections cf. data sheet of openUTM (BS2000/OSD).</p>
Mode of usage	client/server
Implementation language	C
User interface	English, German, user defined
Installation	By the customer on the basis of the release notice
Documentation	<p>on openUTM WinAdmin CD, online via internet and in printed form (further documtations cf. data sheet of openUTM (BS2000/OSD)):</p> <ul style="list-style-type: none"> - openUTM-Client V4.0 for the OpenCPIC Carrier System - openUTM-Client V5.3 for the UPIC Carrier System <p>Documentation of X/OPEN interfaces:</p> <ul style="list-style-type: none"> - XATMI - Description by X/Open - CPI-C - Description by X/Open - TX - Description by X/Open <p>Manuals (English and German) for users and system administrators, in printed form via http://fsc-manualshop.com/ or as PDF files; also available on the Internet via http://www.fujitsu-siemens.com/openseas</p>
Demands on the user	BS2000 knowledge and if necessary knowledge of the partner system. Knowledge of CPI-C/XATMI interface.
Training	Courses are held in the Technical Training Academy von Fujitsu Siemens Computers under the currently valid conditions. For further information see http://training.fsc-mediaserver.com/elearningmedia/tectrac/
Conditions	This software product is supplied to the customer under the conditions for the use of software products against instalments or a single payment
Warranty	Class: A Delivery format: Machine language
Ordering and delivery	This software product may be obtained from your local Fujitsu Siemens Computers regional office