DATA SHEET
FUJITSU Software WebTransactions for openUTM V7.5

WEB-INTEGRATION OF OPENUTM APPLICATIONS

WebTransactions for openUTM

Business processes call for comprehensive and smooth-running support provided by the company's IT unit. To enable provision of this support, existing and new applications on the various platforms must be integrated fast and reliable into a consistent and expandable system. With WebTransactions openSEAS provides a product, which allows approved host applications to be used in new business processes and modern application scenarios.

WebTransactions provides all possibilities:

- Prepare existing host applications for new web based scenarios.
- Host applications and –data can be used via Standard Web browser without need to change anything on the host side.
- Application interfaces can be improved and brightened
- Dialog steps can be adapted to customer-special needs (Dialog-Reengineering)
- Interfaces created with WebTransactions can be seamlessly integrated in portals or prepared for usage with different mobile clients.

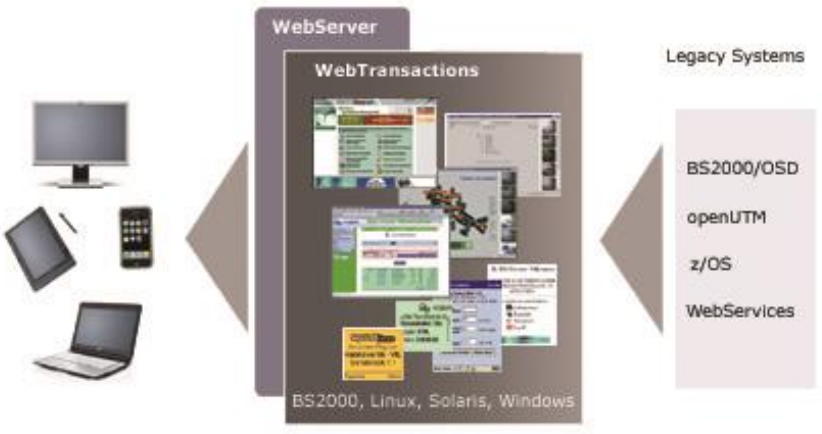
All creation activities can be performed both rapidly and conveniently with the development environment, supported by easy-to-use and self-explanatory wizards.

WebTransactions for openUTM enables the web integration of openUTM applications regardless of what system platform the openUTM application is running on or on which platform WebTransactions is to be installed.
The product is available on the BS2000, Solaris, Linux, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012 and Windows Server 2012 R2 platforms.

Communication with the openUTM application is set up via the integrated openUTM-Client component.

The openUTM application can work with any data storage/management solution available on the corresponding system platform, and can be integrated into the WWW without any need to change the application logic.
Thanks to its flexible architecture and its conformance to open standards, WebTransactions also has no problem with special connections.
WebTransactions is open for future HTML extensions, either as specified in the standard or offered by WWW browsers.

Dialog reengineering functions enable dialog steps to be grouped together or split up in order to present the end user community with a completely new and ergonomically enhanced dialog layout.
All development and "facelifting" activities are supported by the tools provided in WebLab, a friendly yet powerful development environment that is supplied free of charge with all WebTransactions products.



Green IT

FEATURES AND BENEFITS

MAIN FEATURE	BENEFIT
RENEWAL OF USER INTERFACE	
■ Conversion is based on templates	■ Starting point for global development and „facelifting“ of different formats
■ Design of web interface via scripting language	■ All HTML means and additional instructions and control structures are available
■ Automatical conversion of BS2000 formats	■ Individual design of single formats
COMMUNICATION	
■ Integrated communication component	■ Connection to any openUTM applications and communicate with them
DEVELOPMENT ENVIRONMENT WEBLAB	
■ Different wizards to generate or design	■ Graphical support in all operations of development and facelifting
■ Dialog-reengineering functions	■ Dialog steps can be grouped together or split up for ease of use

OFFERING

User interface

- **Templates**
  WebTransactions transforms the original (typically character-based) interface of an application into a format that can be handled by a web browser.
  This transformation is based on the use of templates which are generated automatically by WebTransactions for different mask formatting systems. These templates provide a starting point for making global changes to the look and feel of the interface (e.g. setting the background color or inserting a company logo) as well as for visually enhancing individual screens.
- **Scripting language**
  A comfortable scripting language is available to design the web user interface. All elements of HTML are included as well as additional instructions and control structures in the syntax of Javascript that are interpreted by WebTransactions while runtime. The means of scripting language allow adapting the layout of a host application while presenting in the web to a corporate design.
- **Conversion of BS2000 screens**
  Tools are available for automatic conversion of BS2000 formats for formatting system FHS in BS2000. So you have a one-to-one user interface in the web.
  Support for customizing individual screens is provided by a special “capture technique”, whereby snapshots of the screens are taken and converted into corresponding templates. These, in turn, can be individually modified. Graphical improvements can be made to the interfaces in stages, using the automatically generated templates as a basis.

Communication

- **Communication component**
  The client server communication protocol UPIC (Universal Programming Interface for Communications) is integrated in „WebTransactions for openUTM“. UPIC is a complex communication protocol that performs more than pure data exchange. By communication via UPIC WebTransactions is able to use some openUTM features such as user concept and the automatic restart functions.
  For this protocol also provides information about format names and openUTM function keys so that openUTM applications can be integrated into the internet/intranet/extranet without any changes to the application logic.

Development environment WebLab

- **Generating and design wizards**
  By means of development environment WebLab you can generate corresponding templates out of existing alpha numerical formats. FHS formats can be converted automatically by the OSD tool IFG2FLD. The templates have the look and feel of the terminal format.
  WebLab provides wizards for generating typical graphical dialog controls (e.g. drop down lists or radio buttons). A further wizard helps to produce a template out of a html site. WebLab adds WTML instructions to the site needed to communicate and to exchange data with the host.
- **Dialog reengineering functions**
  Dialog reengineering functions enable dialog steps to be grouped together or split up in order to present the end user community with a completely new and ergonomically enhanced dialog layout, without the need to modify the logic or data structures of the underlying host application.

Differences to previous version V7.1 (all variants)

- **Support of current browser versions and popular platforms**
  WebTransactions in release V7.5B is available on Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2 and current Linux platforms (32 and 64 bit).
  Current browser versions are supported.
- **Template language WTML**
  The WebTransactions internal scripting language is extended by some global functions and object methods. The features vary from file management over dialogue control to output.
- **Host adapters**
  In WebTransactions for OSD and WebTransactions for MVS the recognition of modified fields was enhanced so that a modification of a field with identical content is recognized.
  The possibility to specify the http request method was added to HTTP host adapter.
- **Miscellaneous**
  If a syntax error occurs in a script dynamically parsed by eval() or setTimeout() and not in a normal template additional information is created to ease diagnosis. The exception object is extended by the attributes strLine, strColumn and strText.
  If a POST request with contentType=text/* is arrived by WebTransactions the content of the bodys is saved in the attribute BODY of WT_POSTED object to be worked on.

TECHNICAL DETAILS

TECHNICAL REQUIREMENTS HARDWARE		
CPU	**Platform** Windows Solaris Linux BS2000	**Architecture** All server supported by Windows Server 2008 / Windows Server 2008 R2 / Windows Server 2012 / Windows Server 2012 R2 Primepower Sun Sparc x86 x86-64 All CPU supported by OSD/BC as of V9.0, resp. OSD/XC as of V9.0
Memory requirements disk	Windows Solaris / Linux BS2000 POSIX	30 MB 30 MB 150 PP 30 MB
Memory requirements RAM	Windows Solaris Linux BS2000	64 MB at least >5 MB / parallel user 64 MB at least >5 MB / parallel user 6,4 MB / parallel session

TECHNICAL REQUIREMENTS SOFTWARE	
Operating system	• for BS2000: OSD/BC as of V9.0 rsp OSD/XC as of V9.0 POSIX-BC with POSIX-SH (part of OSD/BC) Apache V2.2 with Apache API ONETSERV as of V3.3 (CMX is part of ONETSERV) For user exits: C-Compiler (Shell Level 2) for Java classes: Java SDK • for Windows: Windows Server 2008 Service Pack 1 Windows Server 2008 R2 Windows Server 2012 Windows Server 2012 R2 WWW server with CGI or ISAPI interface for user exits: SDK to build Windows dlls for Java classes: Java SDK • for Solaris (SPARC): Solaris as of V9 WWW server with CGI interface TCP/IP connection to OSD host for C user exits: Sun WorkShop Compiler C 5.0 for Java classes: Java SDK • for Linux(x86): SuSE as of Linux Enterprise Server 10.0 (SLES10) or Red Hat as of Enterprise Linux AS release 5 (RHEL5) WWW server with CGI interface for C user exits: GCC as of V1.0 for Java classes: Java SDK **<u>openUTM application to integrate:</u>** • **for BS2000**: openUTM as of V6.1 for automatic template generating: IFG as of V8.3A • **for Windows, SOLARIS, LINUX**: openUTM as of V6.1

USER INTERFACE	
Language	English

INSTALLATION	
Installation	By the user in accordance with the Release Notice

DOCUMENTATION	
Manuals	In electronic form only (as PDF file)

DEMANDS ON THE USER	
Demands on the user	Web server administration experience, CMX administration experience, knowledge of HTML and JavaScript

TRAINING	
Training	On demand

CONDITIONS	
Conditions	This software product is supplied to the customer under the conditions for the use of software products against instalments or a single payment. On request, customers may try out the product for a free 30 days evaluation period.

ORDERING AND DELIVERY	
Delivery	This software product may be obtained from your local Fujitsu regional office

FUJITSU PLATFORM SOLUTIONS

In addition to FUJITSU openFT/Software, FUJITSU provides a range of platform solutions. They combine reliable FUJITSU products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the FUJITSU Dynamic Infrastructures approach, FUJITSU offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from FUJITSU technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
http://www.fujitsu.com/ts/products/software/middleware/openseas-oracle

Software
http://solutions.ts.fujitsu.com/software-catalog/start.php

MORE INFORMATION

Learn more about FUJITSU openFT/Software, please contact your FUJITSU sales representative or FUJITSU Business partner, or visit our website.
http://ts.fujitsu.com/WebTransactions

FUJITSU GREEN POLICY INNOVATION

FUJITSU Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at
http://www.fujitsu.com/global/about/environment

COPYRIGHT

DISCLAIMER

CONTACT

FUJITSU Technology Solutions
Address: Mies-van-der-Rohe-Str. 8, Munich, 80807, Germany
Email: openseas@ts.fujitsu.com
Website: http://www.fujitsu.com/ts/WebTransactions
2014-12-09 EM EN