

WebTransactions V7.0A00 for openUTM for UNIX
Release Notice Edition: January 2006

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1. General

The file contains important information, which is not noted in the manuals or Product Information Sheet, for using WebTransactions V7.0A00 for openUTM under the operating systems SOLARIS as of 8 and LINUX as of kernel 2.4.21 (as of SuSE SLES8, RedHat ES3).

This delivery unit is a licensed product and the product may only be used with the number of licenses purchased.

WebTransactions can be used to connect existing openUTM applications to the World Wide Web (WWW). To optimize your application user interface and dialog for the WWW, you can either take over existing formats after conversion or program HTML masks. You can also create an HTML interface for new applications to allow the user to control the application and data output via a WWW browser. The WebLab development environment is provided for this purpose.

WebTransactions is also suitable for client/server applications: it provides the link between the server application and client browser.

With the functions for dialog reengineering, dialog sequences can be combined or separated and therefore restructured more ergonomically without having to modify the logic or the data structures of the underlying host application. The user-friendly development environment WebLab is available for all development steps.

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1.1 New functions

1.1.1 Integration of BizTransactions

- the BizTransactions run time system for openUTM is a component of this product (only on Solaris).
- host applications as Web services.
- asynchronous callable methods.

1.1.2 License distribution in the cluster

With the cluster master registered licenses can to be distributed on all at the cluster members.

- 1.1.3 On-Demand-User
 - With on-demand-licenses peak load, which arise only on certain days, can be intercepted.
- 1.1.4 Portal support for SAP 6.0, Oracle and JSR168.
The integration of WebTransactions and BizTransactions applications into the portals of SAP and Oracle as well as into portals, which support the JSR168 standard, is supported by tools.
- 1.1.5 Parameters for recognizing end of screen
There are aids to recognize over that the structure of screen is finished.
- 1.1.6 Improvements in WTML
 - the DATE class can work on years to 9999 now.
 - functions can be nested now into one another (local functions).
- 1.1.7 Improvements in Web Lab
 - working in projects.
 - BizTransactions Wizard.
 - file filters for file tree as well as for packing and distributing.
 - formatting of templates
 - values of variables are shown in an own window.

2. Installation

2.1 Resource requirements

Necessary main memory (RAM) per parallel user: 3 MB
Minimum of necessary main memories (RAM): 64 MB
Necessary disc-space approx.: 29 MB

2.2 Hardware requirements/support

WebTransactions V7.0A00 for openUTM is executable on the following hardware:

SOLARIS:
- PRIMEPOWER (GP7000F)
- SUN Sparc

LINUX:
- Intel based x86 machine

WebLab can be used on current Windows 32-bit systems.

2.3 Software configuration

The following products are required for using WebTransactions V7.0A00 for openUTM:

- SOLARIS as of 8 or
- LINUX as of kernel 2.4.21 (as of SuSE SLES8, RedHat ES3)

necessary for the product component of WebTransactions

- A WWW server with CGI interface

necessary for the product component of BizTransactions:

- for the employment with BizTransactions produced Java Webservices Tomcat starting from V4.0 or OC4J is necessarily

For automatic mask conversion:

- IFG as of V7.0 in OSD
- openFT as of V6.0 or

readmeUTM-platform-UNIX.txt
ftp for transferring binary data from
UNIX to BS2000/OSD
or
- FORMANT as of V3.1 in UNIX

for individual user exits:
- C-compiler

for java-interface:
- as of JAVA V1.3

An application to be linked in must run under
- openUTM as of V4.0

2.4 Additional installation information

WebTransactions (UNIX) for openUTM is available in the Internet.
Please refer to the delivery information for the address.

WebTransactions is also available on CD on request.
Please contact via eMail WebTransactions@fujitsu-siemens.com.

Installation is described in the WebTransactions manual
"Connection to openUTM Applications via UPIC", in chapter 2.

A license key is required in order to be able to set up the licenses.
Use the process that is described under Licenses in the
WebTransactions Administration.

The WebLab70.msi file is stored in the webtav7 subdirectory
in the document root directory of the Web server. To install WebLab
on a client machine (Windows 32-bit) or on the server, use this
URL: [http://<localhost>:<Port>/webtav7\[/WebLab70.msi\]](http://<localhost>:<Port>/webtav7[/WebLab70.msi]) on a
Web browser to download this file to the machine and start the file.

To deinstall WebTransaction in LINUX delete the directory 7.0 and
its contents in the WebTransactions installation-path (/opt/WebTrans).

All settings of the administration are retained during uninstalling.
This concerns the files <installation_path>/config/wtaccess containing
the administration dates of the the management of the identification,
the access and the applications and it concerns as well all files for
cluster <installation_path>/config/cluster/*.
If necessary delete these files after the deinstallation.

3. Product use

3.1 Product operation

Safety attitudes in UNIX

For the use of WebTransactions user specific authorizations are
needed for certain directories/files. This section describes, which
authorizations for which directories and files are needed by
WebTransactions.

All files and directories that WebTransactions stores during
installation in the Web server's document directory are located in
the webtav7 directory. Also write access is necessary
for the Web server.

The Web server used for the WebTransactions applications must
have write access to the WebTransactions installation directory
and the basedirs to be created. Also write access is necessary
for the directory webtav7 in the document-root folder.

The demos supplied with the product can be started with the link:

[http://<web_server_machine>/webtav7\[/startDemos.htm\]](http://<web_server_machine>/webtav7[/startDemos.htm])

Only for Solaris:

There may be bottlenecks on the harddisk where the basedir is on. You will avoid them by mounting the tmp directory of the basedir not on the harddisk but as a temporary directory in the swap state. This may be done by the subsequent shell command:
mount -F tmpfs swap <basedir>/tmp

Only for Solaris:

After having made a live upgrade of the operating system you must copy the directory /opt/WebTrans/config with its complete content to the new environment. In config the WebTransactions administration or the creation of new basedirectories could have changed something during the live upgrade.

Class templates delivered with WebTransactions for openUTM contain instructions for the analysis of dynamically changeable field attributes. They cover many default situations that may occur with openUTM applications with dynamically changeable field attributes. They are designed for immediate use or as samples for programming of individual class templates. To improve performance, these templates should generally be adapted to the respective application and the individually used dynamic attributes. This means that they can vary for INPUT- and OUTPUT fields.

3.2 Obsolete functions and those to be discontinued

The wtOnCreate- and wtOnReceive-tags are no longer supported. Those functionality can be better achieved by wtOnCreateScript- and wtOnReceiveScript-tags. Wt... Control structure tags remain.

The Java Userexit interface is cancelled. The Java integration covers this functionality fully.

The classtemplates is cancelled to the next version. With the functions taggedOutput and taggedInput contained in the mastertemplate the same functionality can be achieved.

3.3 Incompatibilities

3.4 Restrictions

The use of classtemplates in the single step mode can lead to problems.

WebTransactions for openUTM cannot be used for applications which work with FHS-DE (Dialog Extension). In this case please use WebTransactions for OSD.

WebTransactions for openUTM does not support -(minus)formats. In this case please use WebTransactions for OSD.

The full functionality of the cursor control in the templates is only ensured on use of the Browser Microsoft Internet Explorer or Netscape navigator in each case starting from version 6.0.

Currently Microsoft FrontPage or Netscape Composer can not be used as HTML editor within the WebLab function 'export'. FrontPage deletes WTML commands hidden as comments (maybe this is an error in FrontPage). The Composer is not usable because it does not support form tags. The HTML editor HoTMetal can be recommended only with restrictions since it considers WebTransactions tags as unknown HTML commands but it is possible to define this commands in HoTMetal.

readmeUTM-platform-UNIX.txt

The HTML editors Dreamweaver from Macromedia and HotDog from Sausage Software can be recommended without restriction.

In general, when working with HTML editors you must not use nested wt-tags.

You can find further informations about working together with HTML editors in the FAQs:

<http://www.fujitsu-siemens.com/webtransactions>

If an output is sent to java.lang.System.out and the WebTransactions-trace is switched on, this output will be sent to stderr instead of stdout.

WebTransactions V7.0A00 for openUTM is approved on Solaris10 only for the use in the global zone.

The BizTA-Runtimesystem is installed under /opt/WebTrans/7.0/, not under /opt/BizTrans/7.0/ how described in the manual.

If an error occurs during initialization of the Java-Virtual Machine like "Error occurred during initialization of VM signal chaining need allowed for VM interrupt signal, try -XX:+UseAltSigs." the option '-XX: + UseAltSigs' must be set before the first java call (x=new WT_JAVA....).

It must be set either anew for example with:

```
"WT_SYSTEM.JAVA_OPTIONS=new Array ('-XX: + UseAltSigs') ;"
```

or existing options must be extended. If WebTa-trace is switched on you can find the error message in the file "stdout" in the trace-directory.

Only for Solaris:

If BizTa-Businessobjects are started in a WebTa-Script they are running under the account of the related webserver. In order to trace the business object, the BizTransactions administration must be started under the account of the related webserver.

The administration data is stored in the file BizTaV3.properties in the home directory of the useraccount of the webserver. If this useraccount has no home directory it must be created.

3.5 Procedure in the event of errors

In the event of a problem, please contact the

Call Management Center (CMC):

Telephone service Mon. to Sun.: 0:00-24:00 (365 days a year)

Opening times for services: Mon. to Fri.: 8:00-17:00

(except public holidays)

Phone: +49 1805 4040

Fax: +49 1805 336779

Internet: <http://service.its.siemens.de/wcm/ICME/contact.htm>

For the purposes of diagnosis the following error documents will be required:

- address, IDENT-No., date of purchase
- an exact description of the error situation and details as to whether the error can be reproduced
- Templates and field files
- Trace (activated e.g. via WebLab)
- UPIC trace
- The file <install-dir>\allin1\ntallin1\ntallin1.rpt if existing. Afterwards please delete the file because it is written in append mode
- all informations of the diagnosis-directory in the installation-directory of Webtransactions

4. Documentation

WebTransactions for openUTM includes the following manuals:

readmeUTM-platform-UNIX.txt

- WebTransactions V7.0
Concepts and Functions
- WebTransactions V7.0
Template Language
- WebTransactions V7.0 for openUTM
Connection to openUTM Applications via UPIC
- BizTransactions V7.0
Application Integration with Business Objects

Additional manuals:

- WebTransactions V7.0
Access to Dynamic Web Contents
- WebTransactions V7.0
Client APIs for WebTransactions
- WebTransactions V7.0
WebFrontend for BeanTransactions and BizTransactions
- WebTransactions V7.0
Master-Index

These manuals can be obtained via the Internet from the following WWW address in the Documentation area:

<http://www.fujitsu-siemens.com/webtransactions>

The manuals are in PDF format.

You can read PDF files with Adobe's Acrobat Reader which is free of charge. The appearance of the pages in PDF format is the same as you are used to from printed manuals. From the table of contents or index you can move to the specific information you require with a click of the mouse. The cross-references within the text can also be clicked.

The Acrobat Reader File/Print... command enables you to print out the entire manual or individual parts of the manual.

You can also reach the WebTransactions tutorial via the WebTransactions home page

<http://www.fujitsu-siemens.com/webtransactions>