

FUJITSU Software WebTransactions for MVS (Linux systems)

Version 7.5C
May 2020

Release Notice

All rights reserved, including intellectual property rights.
Technical data subject to modifications and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

© 2020 Fujitsu Technology Solutions GmbH

Fujitsu and the Fujitsu logo are trademarks or registered trademarks of Fujitsu Limited in Japan and other countries. BS2000 is a trademark of Fujitsu Technology Solutions GmbH in Germany and other countries.

1 General	3
1.1 Ordering	3
1.2 Delivery	4
1.3 Documentation	4
2 Software extensions	4
2.1 Host adapter MVS	4
2.2 Error corrections	4
3 Technical information	4
3.1 Resource requirements	4
3.2 Software configuration	5
3.3 Product installation	5
3.3.1 General notes	5
3.3.2 Notes on Web-Server	5
3.3.3 Notes on deinstallation	5
3.4 Product use	6
3.4.1 General notes	6
3.5 Discontinued functions (and those to be discontinued)	6
3.6 Incompatibilities	6
3.7 Restrictions	6
3.8 Procedure in the event of errors	7
4 Hardware requirements	7
5 Firmware levels	7
6 Patents and OpenSource use	7

1 General

- This Release Notice is a summary of the major extensions, dependencies and operating information with respect to WebTransactions for MVS (Linux systems)
- *C 7.5C under the Linux operating systems that are not included in the Product Facts and in the manuals.

WebTransactions for MVS is a product for Web-enabling MVS interactive applications to the World Wide Web (WWW). The product contains a terminal emulator which operates like a 3270 terminal. With the aid of a standard template, the application interface is converted one-to-one to HTML.

For the optical design of the application interface there are two methods available. A layout which applies to the entire application can be achieved by modifying the standard templates. An individual layout for individual screens can be achieved using a special capture technique. "Snapshots" of the screens are stored and converted to corresponding templates, which can also be individually structured.

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 at your disposal for all development steps.

- *C The release level is that of: May 2020.
- *C Changes to WebTransactions for MVS (Linux systems) 7.5B from December 2014 are marked with *C.

The Release Notice is shipped on the product delivery medium.

This and other current Release Notices are shipped on the SoftBooks DVD and are available online at <http://bs2manuals.ts.fujitsu.com>

If one or more previous versions are skipped when this product version is used, the information from the Release Notices (and README files) of the previous versions must also be noted.

The use of names, trademarks, etc. in this Release Notice does not entitle readers to assume that these names/designations may be used without restrictions by anyone. Often the names/designations are protected by law or contract, even if this is not indicated here.

1.1 Ordering

- *C WebTransactions for MVS (Linux systems) 7.5C can be ordered from your local distributors and is subject to the general terms and conditions of the software product use and support agreement.

A license is required for WebTransactions for MVS (Linux systems). Appropriate licenses must be ordered and installed in order to use the product.

1.2 Delivery

- *C The WebTransactions for MVS (Linux systems) 7.5C is available in the Internet. Please refer to the delivery information for the for the download address.

WebTransactions is also available on CD on request. Please contact via email:
openSEAS@ts.fujitsu.com

1.3 Documentation

The following documentation is available for WebTransactions for MVS (Linux systems) V7.5:

- WebTransactions V7.5, Concepts and Functions
 - WebTransactions V7.5, Template Language
 - WebTransactions V7.5, Connection to MVS Applications
- Additional manuals for WebTransactions V7.5:
- WebTransactions V7.5, Access to Dynamic Web Contents
 - WebTransactions V7.5, Client-APIs for WebTransactions
 - WebTransactions V7.5, Web-Frontend for Web Services

The documentation this and other Release Notices and readme files are available in the form of online manuals at <http://bs2manuals.ts.fujitsu.com> .

The manuals may be supplemented with readme files. These contain changes and extensions to the manual of the product concerned.

The manuals are shipped as PDF files on the product medium.

2 Software extensions

Only the extensions and improvements over the previous version WebTransactions for MVS (Linux systems) V7.5C are described in the following section.

2.1 Host adapter MVS

- *C - INTRA-SYS AllInOne 3270 adapter emulator 10 is supported
(Manual reference: WebTransactions V7.5, Connection to MVS Applications)

2.2 Error corrections

- *C - In the HTTP-adapter the protocol version is wrong
- *C - F5 during admin session lose control

3 Technical information

3.1 Resource requirements

Required disk space:	50 MB
Required virtual memory:	64 MB
- Additionally per concurrent user:	>5 MB

3.2 Software configuration

*C WebTransactions for MVS (Linux systems) V7.5C is released for use on servers with:

- *C - SUSE Linux Enterprise Server as of 11/12/15 (SLES11/12/15)
- *C - Red Hat Enterprise Linux as of release 6/7/8 (RHEL6/7/8)

Further software prerequisites:

- A WWW server with CGI and/or ISAPI interface.
- Access to the host using telnet 3270

For individual user exits:

- C compiler

For Java integration (optional):

- *C - JAVA as of V1.6

A 32-bit Java runtime system is needed on 64-bit Linux installations.

3.3 Product installation

Installation is described in chapter 2 of manual "Connection to MVS Applications"

3.3.1 General notes

*C WebLab:

- *C WebTransactions WebLab (Windows) V7.5C runs on all systems, including
- *C servers supported by Windows 8.1/10, Windows Server 2012/2012R2/2016/2019
- *C after download via web browser. The download is available at

Fehler! Linkreferenz ungültig.

Ordering the activation key:

A license key is required in order to set up the licenses. Start the WebTransactions Administration, select Licenses and follow the instructions.

3.3.2 Notes on Web-Server

The WWW server used for WebTransactions applications needs write access right to the installation folder of WebTransactions, the subdirectory webtav75 in the document root areas of the WWW server and to all base directories which should be created.

Using Apache servers "Options Indexes FollowSymLinks" must be set for document root area of the WWW server.

3.3.3 Notes on deinstallation

All administration settings are retained during deinstallation. This concerns the files within <install>/config/wtaccess (containing administration data for managing identification, access and applications) as well as all files for cluster <install>/config/cluster/*. If necessary delete these files after the deinstallation.

Deinstallation of WebTransactions is not available for Linux. To remove all installed products of WebTransactions, please erase all data of the WebTransactions installations folder (Default: /opt/WebTrans/7.5).

3.4 Product use

The integrated print server supports 9 printers at most. If you need more printers (e.g. for static assignment of a single printer to a specific user) the INTRA-SYS product "Printer Gateway" can be used. More information about the integrated print server is available in the manual "Connection to MVS Applications".

Each MVS connection uses a message queue and a shared memory. If the operating system default settings are insufficient, the limits must be set accordingly:

- Linux in /etc/sysctl.conf
kernel.msgmni = xxx
kernel.shmmni = yyy)

3.4.1 General notes

Demos:

The demos supplied with the product can be started with the link
Fehler! Linkreferenz ungültig.

WebLab/external HTML editors:

If you want to use an external HTML editor, please make sure that the editor is compatible with the templates of WebTransactions. In general, when working with external HTML editors you must not use nested wt-tags.

Web browsers:

In order to use Mozilla Firefox as browser for sessions started by WebLab, enter the application name "firefox" in the WebLab menu Options/Preferences/Programs. Using Mozilla Firefox the maximum length for a valid URL may be exceeded. To avoid this, create base directories with shortest path names as possible.

Java:

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

If following error occurs during initialization of the Java Virtual Machine "Error occurred during initialization of VM. Signal chaining not allowed for VM interrupt signal, try -XX:+UseAltSigs.", before the first java call (x=new WT_JAVA.....).the option '-XX:+UseAltSigs' must be set. It must be set either new for example with "WT_SYSTEM.JAVA_OPTIONS=new Array ('-XX:+UseAltSigs');", or existing options must be extended.

3.5 Discontinued functions (and those to be discontinued)

3.6 Incompatibilities

3.7 Restrictions

3.8 Procedure in the event of errors

If an error occurs, the following error documents are needed for diagnostics:

- Test case scenario (A detailed description of the error condition, indicating whether and how the error can be reproduced)
- Templates and field files
- Holder-Trace (activated e.g. via WebLab)
- Recording of the host-communication (Emulation trace)
- Files in the folder diagnosis in WebTransactions installation folder, if they exist.
- System dumps / cores (if available)
- System traces (if available)
- Wtgate traces (if available)
- INTRA-SYS AllInOne 3270 adapter diag files (if available)

4 Hardware requirements

- *C WebTransactions for MVS (Linux systems) V7.5C runs on all Intel x86 based servers supported by SUSE Linux Enterprise Server (SLES11/12/15) and Red Hat Enterprise Linux (RHEL6/7/8).
- *C
- *C

5 Firmware levels

6 Patents and OpenSource use

WebTransactions

Protected by U.S. patent 6,725,254,
German patent DE 198 14 859

OpenSource module libc

License:
GNU Lesser General Public License (LGPL)
<http://www.gnu.org/licenses/licenses.html>

OpenSource module Zip/UnZip

License:
<http://www.infozip.sourceforge.net/license.html>

OpenSource module Expat (XML Parser)

License contained in package (COPYING):
"...Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software..."

OpenSource module BCG ControlBar Library

License documented in source:
"... You may use, compile or redistribute it as part of your application for free..."

OpenSource module OpenLDAP

License:

<http://www.openldap.org/software/release/license.html>

OpenSource module OpenSSL

License:

<http://www.openssl.org/source/license.html>

OpenSource module SASL2

License:

<http://www.cyrusimap.org/imap/download/getcyrus.html?highlight=license#licensing>

Freeware module ScriptX, free basic version

License:

<http://scriptx.meadroid.com/license-pricing/free-deployment.aspx>