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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 AS400 under the Windows 2000/2003 operating system.

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

WebTransactions for AS400 is a product for Web-enabling AS400 interactive applications to the World Wide Web (WWW). The product contains a terminal emulator which operates like a 5250 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 available for all development steps.

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### 1.1 New functions

- 1.1.1 License sharing in cluster  
Cluster licenses of the cluster controller are valid for all the servers participating in the cluster.
- 1.1.2 On-demand licenses  
On-demand licenses to cover temporary peak loads.
- 1.1.3 Integration in portals (SAP 6.0, Oracle and JSR168)  
Out-of-the-box integration of WebTransactions and

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BizTransactions applications for the portals of SAP and Oracle and all portals that support JSR168.

### 1.1.4 Screen-end recognition

Helper to recognize that the data on screen is complete.

### 1.1.5 WTML enhancements

- Date class: processing of dates up to year 9999.
- Use of function statements within functions.

### 1.1.6 WebLab enhancements

- Project as main entry point.
- BizTransactions wizard.
- File selection by filtering the display in the template tree and during the packing and distribution of applications.
- Possibility of formatting templates.
- Display the values of variables in an own window.

## 2. Installation

### 2.1 Resource requirements

Necessary main memory (RAM) (per current user):	3 MB
Required main memory (RAM):	64 MB
Required hard disk space:	26 MB

### 2.2 Hardware requirements/support

WebTransactions V7.0A00 for AS400 can be used on all systems on which Windows 2000/2003 will run.

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 AS400:

- Windows 2000 Server with service pack 3
- Windows 2003 Server
- A WWW server with CGI and/or ISAPI interface

on the Host:

- access to the host via telnet

For individual user exits or Java integration:

- A development environment for creating a Windows dll and/or
- JAVA as of V1.3.1

### 2.4 Additional installation information

WebTransactions (Windows) for AS400 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](mailto:WebTransactions@fujitsu-siemens.com).

Installation is described in the WebTransactions manual "Connection to AS400 Applications", in chapter 2.

If you want to install only parts of the product (WebTA runtime-system or demos) within a silent-installation they must be given with the parameter ADDLOCAL. "Runtime" for the WebTA runtime-system and "Demos" for the demos.

Example: ADDLOCAL="Runtime"

A license key is required in order to be able to set up the licenses.

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Use the process that is described under Licenses in the WebTransactions Administration.

When starting a WebTransactions application with this variant, WebTransactions for MVS or WebTransactions for UNIX systems the process ntallin1.exe will be started. This process will not be stopped when the application terminates. Before installing one of these WebTransactions products make sure that no ntallin1.exe process is running by rebooting the system.

The WebLab70.msi file is stored in the webtav7 subdirectory in the document root directory of the Web server. To install WebLab local or on a client machine (Windows 32-bit), use a Web browser to download this file and then start the installation.  
Easy call of a download page: <http://<computer>/webtav7> via default page.

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 uninstalling.

During the installation a dialogue box may appear with the reference that a DLL was not found. If you click the dialogue box away the installation is terminated normally. In this case the necessary "Intra Sys SERV" service could not be started and you must either start the service manually or you reboot your system.

### 3. Technical Information

#### 3.1 Information for product use

##### Security Settings in Windows 2000/2003

For the use of WebTransactions access rights are needed for some files and folders. This paragraph describes which authorizations are to be set for which files and folders.

First you have to know the user-context of the webserver you use with WebTransactions. If you use the Microsoft Internet Information Server the standard pre-defined users are IUSR\_<computername> for cgi and/or IWAM\_<computername> for ISAPI. This webserver authorization must have access rights for the following files and folders (NTFS - file system).

After installing WebTransaction (with Administrator rights ) WebTransaction uses the following folders:

- WebTransactions installation folder
- pool folder for base directories
- document root folder of the webserver

The installation folder of WebTransactions contains

- executable files (e.g.: <installation folder>\lib\WTHolder.exe) which need the right for executing files
- configuration files (e.g.: <installation folder>\config\wtaccess) which are read and written
- folders (e.g.: <installation folder>\admin\tmp) in which files and subfolders can be created, read, written and deleted.

Permissions needed for the subfolders/files of the installation folder:  
( not specified subfolders need read-permissions only )

folder	permissions
<install>\admin\tmp\	read, create, write, delete

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<install>\lic\	read, create, write, delete
<install>\clie\	read, create, write, delete
<install>\config\	read, create, write
<install>\config\cluster\	read, create, write, delete
<install>\diagnosis\	read, create, write
<install>\allin1\	read, create, write

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file	permissions
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<install>\lib\WTHolder.exe	read, execute
<install>\allin1\ntallin1\ntallin1.exe	read, execute
<install>\allin1\prserv\ntprserv.exe	read, execute

WebTransactions base directories consist of two parts in different folders connected by a symbolic link. One part will be created in the pool folder (<pool>). The other part will be created as a subfolder of the document root folder using the name of the virtual path of the WebTransactions pool. You define a WebTransactions pool and its virtual path with the WebTransactions administration.

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folder	permissions
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<pool>\<basedir>\tmp\	read, create, write, delete
<document root>/<virtual path>	read

If you work on a basedir with Weblab ( with help of WTEdit.exe) you need much more access rights than described above. For example with Weblab you create and manipulate files and Weblab reads folders to represent them in his template-tree.

During the installation the folder webtav7 is created in the document root folder of the webserver. This folder contains the WebTransactions demos files, if these were selected within the installation. This folder webtav7 needs permissions for executing, reading, writing, creating and deleting files and folders (inclusive subfolders). In order to avoid security risks, the demoes should be installed only on a test computer.

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folder	permissions
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<document root>\webtav7\	read
<document root>\webtav7\<demos>\	read, create, write, delete (*)

(\*) only if you have installed the Demos  
( JavaDemo, PortalDemo, ShoppingDemo )

You can set the permissions with the windows explorer. Select Properties in the Context Menue to get the Properties window. Select Security to set the permissions for this folder. Please notice that access permissions can be inherited from an superordinate folder or can be leaved to an subfolder. In Windows 2003 you have the possibility to check the effective user permissions of a folder.

Not terminated sessions can be terminated via the WebTransactions administration. The sessions cannot be terminated via the task manager.

If WebTransactions is to be used with the Microsoft Internet Information Server, the setting for the desktop heap must be increased if there are more than approx. 60 parallel users. To do this use regedt32. In the Registry in HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Control\Session Manager\SubSystems\Windows change the SharedSection value from 1024, 3072

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or 1024, 3072, 512 to 1024, 3072, 4096 and then restart the server. 4096 is now the size of the desktop heap. Please note that Microsoft points out that problems due to a wrong use of the registry editor possibly can not be repaired.

We recommend to use WebTransactions not on a Windows 2000 system with a terminal server since there the MIIS gets not enough resources.

All files and directories that WebTransactions stores in the Web server's document directory are located in the webtav7 subdirectory.

The demos supplied with the product can be started with the link:  
[http://<Web\\_server\\_machine>/webtav7/startDemos\\_e.htm](http://<Web_server_machine>/webtav7/startDemos_e.htm)

### 3.2 Obsolete functions and those to be discontinued

The wtOnCreate- and wtOnReceice-tags are canceled. For this functionality you can use wtOnCreateScript- and wtOnReceiveScript-tags in a more comfortable way. The wt... controll-structure-tags still work.

The java userexit interface is canceled. The java integration covers this functionality at all.

Class templates are canceled for the next version. With taggedOutput and taggedInput you can get the same functionality.

### 3.3 Incompatibilities

The Date class of WebTransactions can process dates >2037, therefore the format output by the function toLocaleString has been changed to the effect that the year is given as a four digit number instead of a two digit number. You can force toLocaleString to use the old format by setting the system attribute WTML\_VERSION to 6.0.

### 3.4 Restrictions

Using class templates with single step tracking can lead to problems.

When using Internet Explorer or Netscape Navigator as browser you have to use version as of 6.0 for the full functionality of cursor control.

The integrated print service support a maximum of 9 printer. These can be assigned dynamically. If there are more printer stations necessary (e. g. for a static assignment to users) the INTRA-SYS product "Printer Gateway" can be used.

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.

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>

Java output to java.lang.System.out is put to stderr instead of stdout if the trace is activated.

### 3.5 Procedure in the event of errors

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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
- 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)
- The file <install-dir>\allin1\ntallin1\ntallin1.rpt  
if existing. Afterwards please delete the file because it is  
written in append mode
- Files in the folder diagnosis in WebTransactions installation-path  
if they exist.

#### 4. Documentation

WebTransactions for AS400 includes the following manuals:

- WebTransactions V7.0  
Concepts and Functions
- WebTransactions V7.0  
Template Language
- WebTransactions V7.0 for AS400  
Connection to AS400 Applications

Additional manuals:

- WebTransactions V7.0  
Access to Dynamic Web Contents
- WebTransactions V7.0  
Client APIs for WebTransactions
- WebTransactions V7.0  
WebFrontend for Web Services and Business Objects
- WebTransactions V7.0  
Master Index

These manuals can be obtained via the Internet from the following  
WWW address in the Manuals/FAQs 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.

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

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