

DESCRIPTION PAPER

WEBTRANSACTIONS AND MS IIS 6.0 UNDER WINDOWS 2003

INSTALLATION / CONFIGURATION REMARKS

CONTENTS

1.	Install Windows 2003	2
2.	Install web server (IIS 6.0)	2
3.	Administrare web server	2
4.	Install WebTransactions	2
5.	configure applications in Web server (IIS)	2
6.	Access rights 1	2
7.	Configure license and pools	3
8.	Access rights 2	3
9.	Create basedir using WebLab, start application	3
10.	Set access rights for demo applications, start Demo applications	3
	Appendix: General hints for access	3

1. INSTALL WINDOWS 2003

- e.g. Windows 2003 Enterprise Version
-

2. INSTALL WEB SERVER (IIS 6.0)

- login user with admin rights
 - call server administration and call "add function or remove function" and add application server.
or
Start/control panel/Add or Remove Software/Add,Remove Windows Components and select application server
 - after installation the IIS will be displayed in the list of servers.
-

3. ADMINSTRATE WEB SERVER

- login user with admin rights
 - call server administration and "administrate this application server"
or
Start/Administrative tools/Internet Information Services
 - Optional: in the "application server administration" enhance the "internet information service manager", then enhance <computer name>(local computer). beneath select "websites" right click Properties, select register "Service" and the checkbox "Run web service in IIS5.0 isolation mode" – if you want the IIS V5.0 mode – hmmm: I didn't – but webta is running..
 - Enhance <computer name>(local computer) and select "Application Pools". Notice that calling the WebTransactions ISAPI dll an identity for the used application pool is used (default: DefaultAppPool) which must have enough rights (e.g. starting a process) on the local system. Otherwise WTHolder process may not be started. As default the identity "network service" is used for DefaultAppPool, which has not enough rights to start WebTA. Create a new application pool: right mouse click/New application pool, type "WebTA" as Application pool ID and use existing application pool "DefaultAppPool" as template. Use right mouse click on the new created pool WebTA and open properties dialog for the corresponding application pool, clicking the tab identity, the identity may be configured – local system.
 - In application server administration click on "default web site" and open context menu with right mouse click. Select "New..." and "virtual directory...". A wizard for creating a virtual directory is called. create "script" as alias and allocate a physical directory for this alias e.g.: c:\inetpub\scripts und finally assign the Virtual Directory Access Permissions (execute – such as ISAPI or CGI).
 - If the WebTransactions process shall be able to run scripts (visual basic script, windows scripting ...) a new local user account is to be created with fixed password (no need to change) e.g. webta. This user account should be member of users and administrators. Finally set this user to be used for the just created virtual directory: select the virtual directory, right mouse click/Properties/Directory Security/Authentication and access control/Edit/Enable anonymous access – fill in the new user and its password.
 - Use right mouse click on the new created virtual directory, Properties. In the select list "Application pool" select the just created pool named "WebTA".
-

4. INSTALL WEBTRANSACTIONS

- During installation assign the document root directory, the alias and the real "virtual directory".
-

5. CONFIGURE APPLICATIONS IN WEB SERVER (IIS)

- Login user with admin rights
 - call server administration
 - start "administrate this application server"
 - enhance the "internet information server", enhance <computer name>(local computer). beneath select ,web service extensions" . Then call "Add New web service extension" , type a name e.g. "webta". Then add WTPublish.exe as needed file .e.g. c:\inetpub\scripts\WTPublish.exe. Do the same for the files WTPublishISAPI.dll, WTEdit.exe and WTCcluster.exe. The new web service "webta" may be reused here. Then "Set extension status to allowed".
-

6. ACCESS RIGHTS 1

- set access rights for WebTransactions administrations basedir:
 - c:\Programme\WebTransactionsVx\admin\lmp
 - set access rights for WebTransactions Licenses:
 - c:\Programme\WebTransactionsVx\lic
 - set access rights for WebTransactions Cluster und wtaccess Datei file:
 - lc:\Programme\WebTransactionsVx\config
 - The users IUSR_<hostname> and IWAM_<hostname> must have the following access rights for the above listed directories
-

7. CONFIGURE LICENSE AND POOLS

- With WebLab or `http://<host>/<script_alias>/WTPublish.exe/server-admin` start the administration. Type user „admin“ (no password till now) and login. Register and configure the license. Create the pools and users - (see WebTransactions manual).

8. ACCESS RIGHTS 2

- The basedirs consist of two different real directories. So for both the access rights have to set separately. E.g.: the pool is `c:\basedirs` and the document root is `c:\InetPub\wwwroot` and the virtual path for the pool is `webta`. The users `IUSR_<hostname>` and `IWAM_<hostname>`. must get access rights to `c:\basedirs` and `c:\InetPub\wwwroot\webta` (access rights to be set including subdirectories). See following table for the needed rights.

9. CREATE BASEDIR USING WEBLAB, START APPLICATION

- In WebLab use Generate/Basedirectory... (see WebTransactions manuals).
- Test the WebTransactions application.

10. SET ACCESS RIGHTS FOR DEMO APPLICATIONS, START DEMO APPLICATIONS

- If the Demos are installed, the folder e.G. `<documentroot>\webtav75` need access rights for the user ID's `IUSR_<computer name>` und `IWAM_<computer name>`. (access rights inherit to childs). See table down here for needed access rights.
- type following e.g. URL in Browser: `http://<computer name>/webtav75` and start Demo.

APPENDIX: GENERAL HINTS FOR ACCESS

The minimal needed access rights (file system NTFS) are listed in the following table, the access rights should be inherited to childs. Additional to setting the new access rights for the user ID's `IUSR_<computer name>` and `IWAM_<computer name>` it should be checked, weather restrictions are inherited from superior directories. To be sure the effective access rights should be controlled.

For each folder and each file the effective permissions may be detected as follows:

right mouse click->Properties->Security->Advanced->Effective Permissions,
select user: `IUSR_<computer name>` oder `IWAM_<computer name>`

Permission	1	2	3	4	5	6	7
Full control							
Traverse folder / execute file	X			X	X		X
List folder / read data	X	X	X	X	X	X	X
Read attributes	X	X	X	X	X	X	X
Read extended attribute	X	X	X	X	X	X	X
Create files / write data	X	X	X	X	X	X	X
Create folder / append data	X	X	X	X	X	X	X
Write attributes	X	X	X	X	X	X	X
Write extended attributes	X	X	X	X	X	X	X
Delete subfolders and files	X	X	X	X	X	X	X
delete	X	X	X	X	X	X	X
Read permissions							
change permissions							
Take ownership							

1)Folder: `<installdir>\admin\tmp`

temporary folder for WebTransactions Administration

2)Folder: `<installdir>\lic`

Folder for the licence file and for WebTransactions Administration

3)Folder: `<installdir>\config`

WebTransactions folder for Administration or for Cluster definitions

4)Folder, in which the pools shall be created

Folder in which the WebTransactions pools shall be created

5)Folder: `<pool>` (should not be set individual, but inherited from 4)

Folder for the individual WebTransactions application (basedir)

6)Folder: `<documentroot>`

Folder for the individual WebTransactions application (basedirs)

7)Folder: `<documentroot>\webtav6`

Folder for the WebTransactions Demos, needed additional to step 6 – the access right. ... \JavaDemo\clipBooks additionally needs write access

PUBLISHED BY

webtransactions@ts.fujitsu.com
ts.fujitsu.com/webtransactions

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. For further information see ts.fujitsu.com/terms_of_use.html

Copyright © Fujitsu Technology Solutions GmbH 2010