



Transbase® on MS Windows-Vista/ Windows 7

1. Introduction

Transbase® is running on Microsoft Windows-Vista without restrictions. However, Vista's new User Account Control (UAC) presents some need for adaptation in the structure of Transbase® installations. For current versions of Transbase® these modifications have been integrated into the Transbase® setup routines as far as possible. For older versions being still in use this paper describes how an installation can be made compatible to Vista.

Actually, two aspects must be considered:

- First, UAC controls user privileges more strictly. In particular, standard users by default do not have Administrator privileges and eventually are not granted privileged actions. Administrators and Main Users, in contrast, by default have those privileges, but are prompted interactively on each occasion. As Transbase® usually runs as a service on SYSTEM account, no problems arise from that fact. However, running Transbase® utilities, such as TBADM32, may run into problems.
- Second, Vista does no longer permit to write data into the Programs directory. Instead, each program should be split into read only data (\Program Files) and read write data (\ProgramData).

2. Transbase® Versions older than V6.7

2.1. Installation Directories

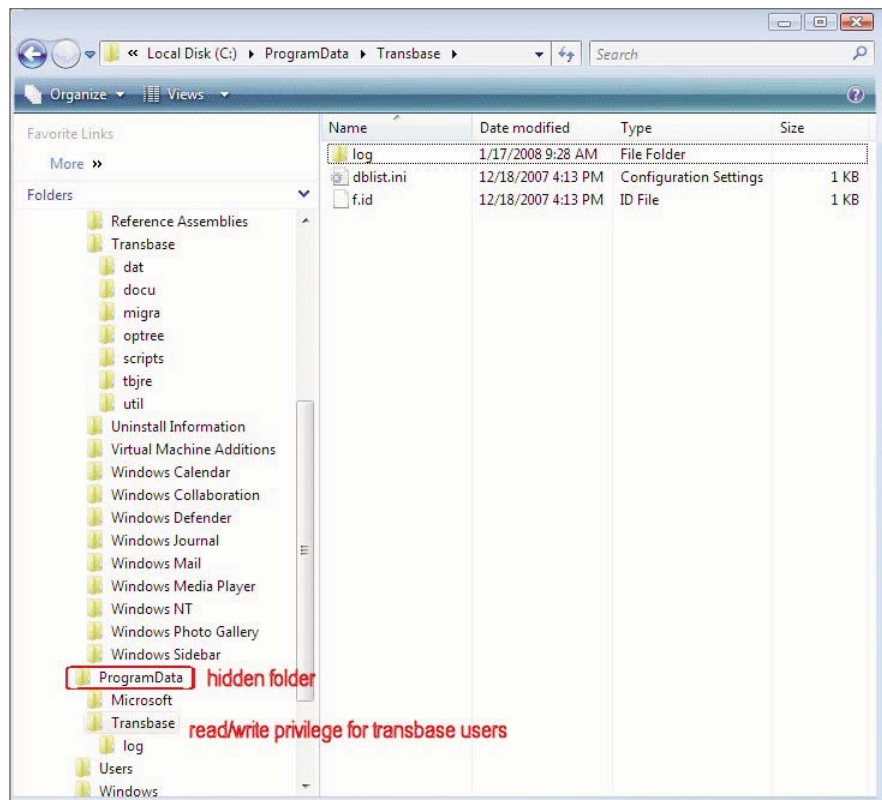
As Transbase® usually installs into `C:\Program Files\Transbase` and under Vista no read/write access will be granted to this directory, the following files must manually be moved to `C:\ProgramData\Transbase`:

- `dblist.ini`, the list of all databases
- `f.id`, a file to administer database IDs
- `log`, a directory to control distributed transactions



Note that the folder C:\ProgramData usually is hidden (non visible). In addition, one should make sure that the directory C:\ProgramData\Transbase is readable and writable by all users.

After having arranged this, the directory should look as follows:



Then, the configuration file TBWIN.INI which itself continues to reside under C:\Program Files\Transbase has to be modified as follows:

```
[ TBWIN]
...
TRANSBASE=C:\Program Files\Transbase

TRANSBASE_LOCAL=C:\ProgramData\Transbase
```



Note that writable files such as `dblist.ini` are located through the variable `TRANSBASE_LOCAL` or if not set through the variable `TRANSBASE`. In this latter case, Vista falsely does not generate an error but relocates the path into the so-called virtual store which however is not global but user-specific. The typical path is:

```
C:\users\\AppData\Local\VirtualStore\ProgramData\Transbase
```

If those paths have been virtualized intentionally or by mistake, Transbase® will be seriously confused.

2.2. User Account Control (UAC)

The second problem with respect to UAC has to be dealt with as follows:

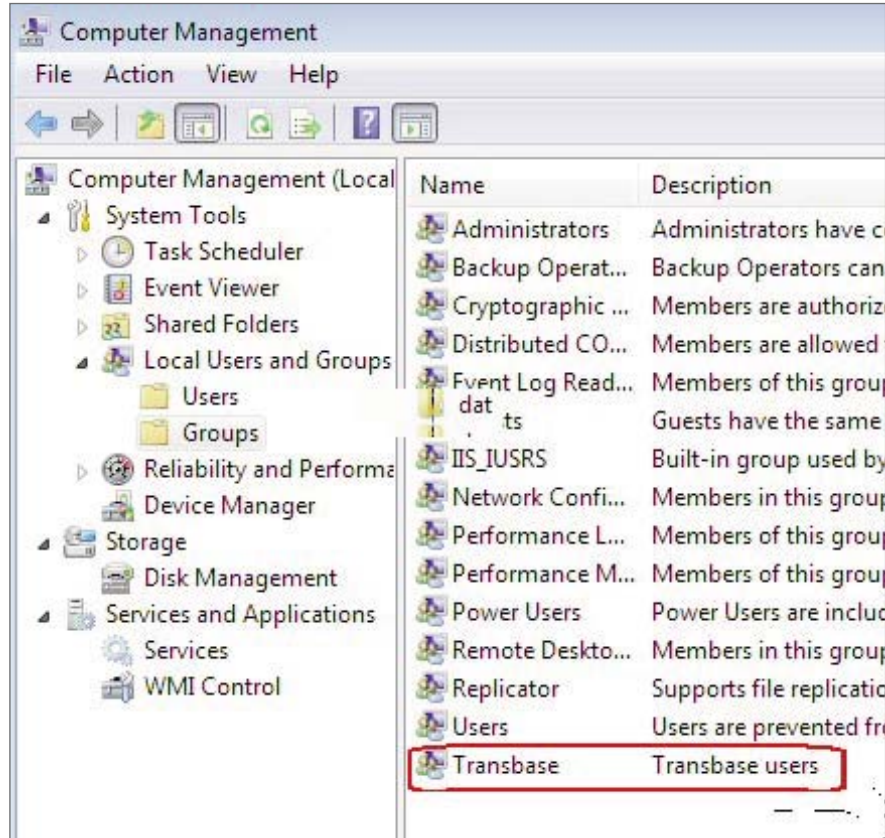
As Transbase® requires access to global objects (namely the shared memory which holds IO buffers and is used to synchronize multiple Transbase® instances), Transbase® users must be granted the privilege to create and access those objects explicitly.

We recommend that a user group named `Transbase` be installed which is explicitly granted the right to create and access shared memory objects. All Transbase® users should be assigned this group to grant them the required privileges.

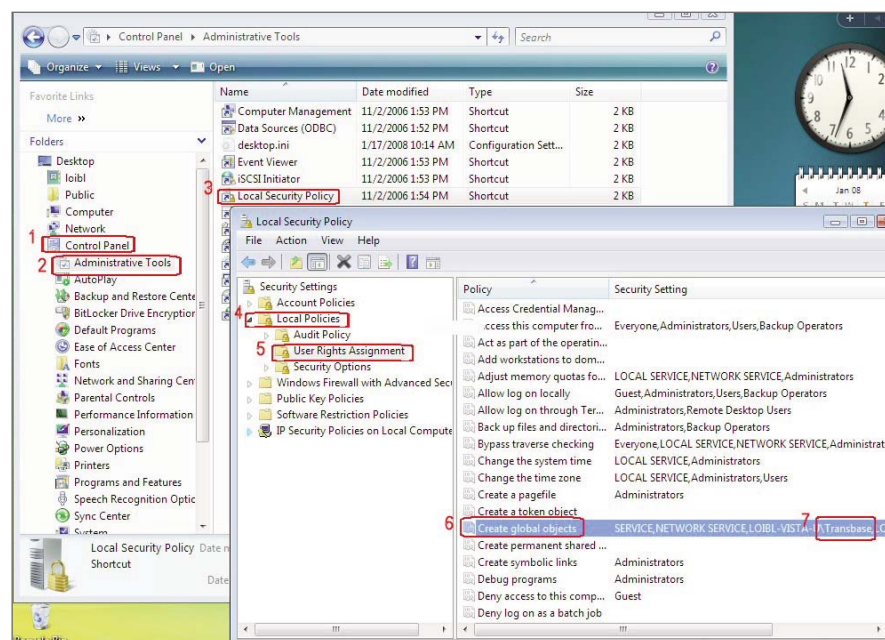
A new group named `Transbase` can be created under

Control Panel\Administrative Tools\Computer Management\Local Users and Groups\Groups

as shown in the following screen shot:



This new group should be granted the right to create and access global objects as shown in the next screen shot:





Finally, users should be in group Transbase as well as in group Users but not in group Administrator in order to avoid failures or being prompted interactively each time the shared memory is accessed.

Note that a Transbase® service by default runs under local system account and has the rights necessary to access global objects.

3. Current Versions (from version 6.7 on)

The setup routines of Transbase® versions from 6.7 on correctly install Transbase® into C:\Program Files\Transbase and C:\ProgramData\Transbase, including the extended TBWIN.INI settings.

Everything said above for UAC related issues applies here.

It remains the database administrator's task, however, to assign users who should be permitted to access Transbase® to the TRANSBASE group and to check that they are not in the Administrator group.

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