

# TRANSWIZ



USER GUIDE

Build 1.17.1094

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# **Introducing Transwiz**

Why Transwiz?



A User Profile is where Windows stores your stuff. It is where your Desktop, Documents, Pictures and Music files are all saved. Your User Profile is also where Windows keeps all the information that makes your computer personal to you, like your desktop wallpaper, Internet favorites and the lists of documents you've recently opened.

When you get a new computer you will probably want to get it up and running with all your personal documents and settings as quickly as possible. This is what Transwiz – the User Profile Transfer Wizard - is for.

Transwiz has been developed to be the simplest and most efficient tool for moving personal data from one computer to another. We hope you like it.

# Installation

# Installing Transwiz



You should run the Transwiz setup program on a single "Administrator" machine. The setup program will install the Transwiz application files and documentation. You can then copy and distribute the Transwiz application files from the **Deployment Files** folder. You can access the Deployment Files folder from the Start menu and ForensiT Transwiz/Deployment Files.

The only files you need to run Transwiz are Transwiz.exe and Transwiz.config. You do NOT need to run the setup program on all the machines whose profiles you want to migrate.

# Licensing

When you purchase Transwiz you will be sent a link by email to download a **Transwiz.config** file. This file contains your licensing information.

To license Transwiz you simply need to copy the license file into the same folder as the Transwiz.exe file.

# **Personal Edition**

Transwiz Personal Edition is a stand-alone executable file. No installation is required.

# **Transferring User Profiles**with Transwiz

This chapter will show you how to use Transwiz to interactively move an existing user profile to a new computer



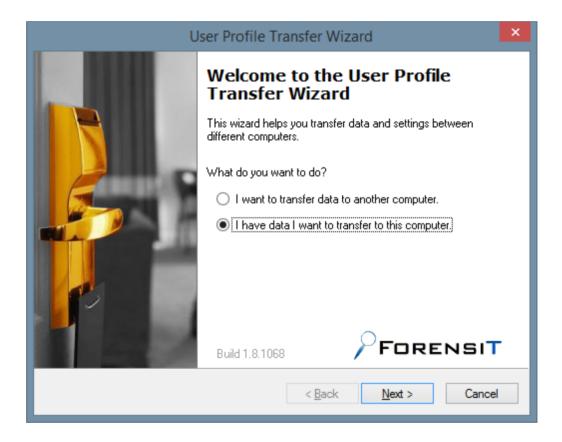
In this chapter we will run Transwiz interactively in GUI mode.

Transwiz creates a transfer file in standard zip file format with the file extension .trans.zip. This file contains the complete user profile, together with the information that Transwiz needs to restore the data on another computer.

# Welcome



When you start Transwiz the first thing you see is the Welcome page. Here you are asked what task you want to perform. You can choose to create a transfer file to move your documents and settings to another computer, or to use a transfer file you have already created to move data to the new computer.



# Task 1: "I want to transfer data to another computer."

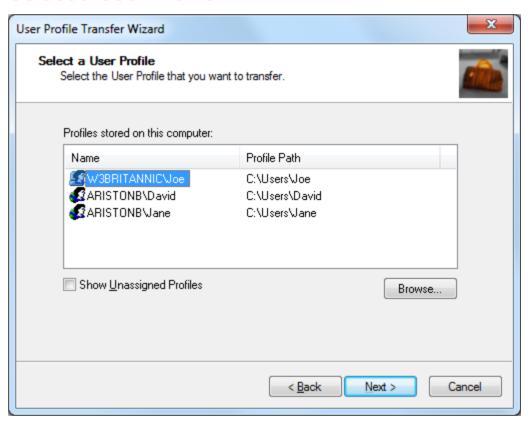
This option allows you to back up a user profile so that it can be transferred to another machine. The data will be stored in a zip file in the location you choose.

Click **Next** to continue

.

# **Select a User Profile**





On the "Select a user Profile" page you choose the profile which you would like to backup.

## **Unassigned Profiles**

Transwiz lists currently assigned profiles: that is, the profile that each user of the machine is currently using.

*Unassigned* profiles are profiles that are not used by anyone. A profile can become unassigned for a number of reasons. For example, if a local user account is deleted, the user's profile will remain on the machine, but it will not be used by anyone.

To list unassigned profiles, tick the "Show Unassigned Profiles" box. The first time you do this, you will get a warning. This is because profiles sometimes become corrupted so that Windows cannot read them. When this happens Windows creates a new profile for a user. If you look in the profiles directory, usually "C:\Users", you will sometimes see profile folders with names like USER.DOMAIN. These are profiles Windows has created because it cannot read the user's original profile. It is obviously not a good idea to use a corrupted profile, and Transwiz warns you of the possibility.

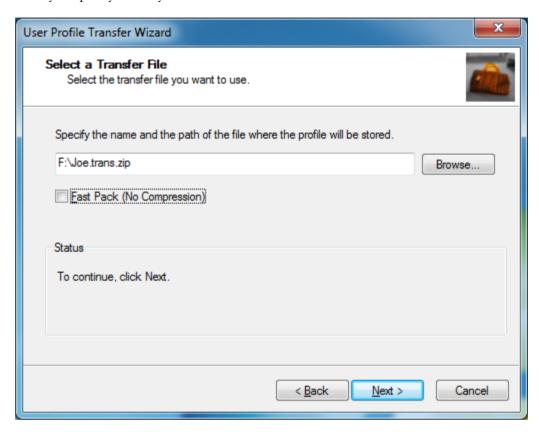
Transwiz lists unassigned profiles with the unknown user icon. The software will always try to resolve the domain and account associated with a particular profile. However, this is not always possible - for example, if a domain is no longer available on the network. In these circumstances you will only see the user account SID (Security Identifier.) However, you should be able to work out the profile you want to transfer by looking at the profile path.

When you have selected the profile, click **Next** to continue.

# Select a Transfer File

Here you specify where you would like the transfer file to be created.





# **Fast Pack (No Compression)**

By default Transwiz compresses files to reduce the size of the transfer file. Compressing files takes extra time. To speed up the transfer process – at the cost of creating a larger transfer file – you can tick the "Fast Pack" option.

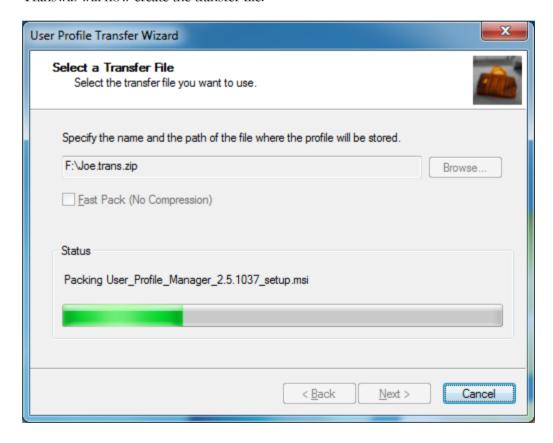
# Click **Next** to continue.

You will be prompted for a password to protect the file. This is optional and if you choose to add a password you will asked for it when you restore the profile.



Click **OK** to continue.

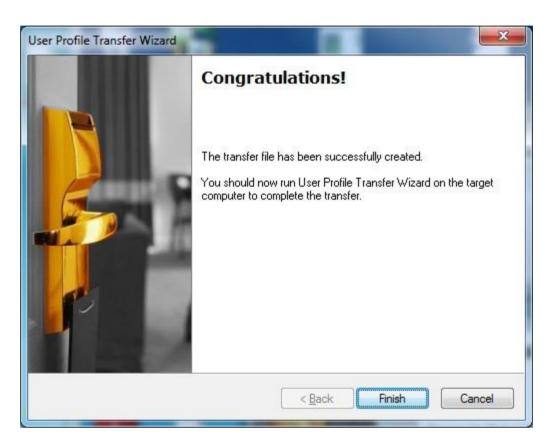
Transwiz will now create the transfer file.



# **Congratulations!**

The transfer file was successfully created.





Click Finish.

# Task 2: "I have data I want to transfer to this computer."

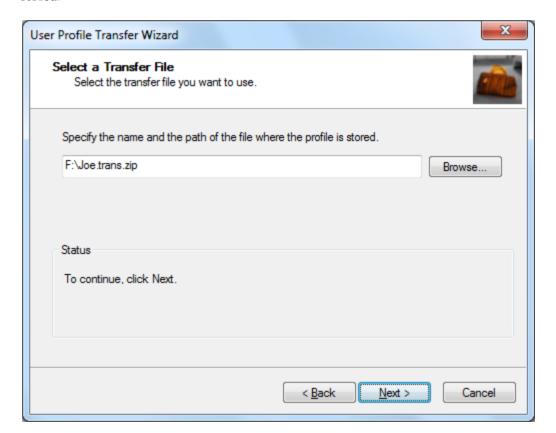
Choosing "I have data I want to transfer to this computer" from the Welcome screen allows you to restore a profile that you previously backed up using Transwiz.

Click **Next** to continue.

# **Select a Transfer File**



Enter a path or Browse to a location where the profile which you wish to restore is stored.



Click **Next** to continue.

If the Transfer File was protected with a password then you will be asked for it at this point.

#### TRANSFERRING USER PROFILES



Enter the password and Click **OK**.

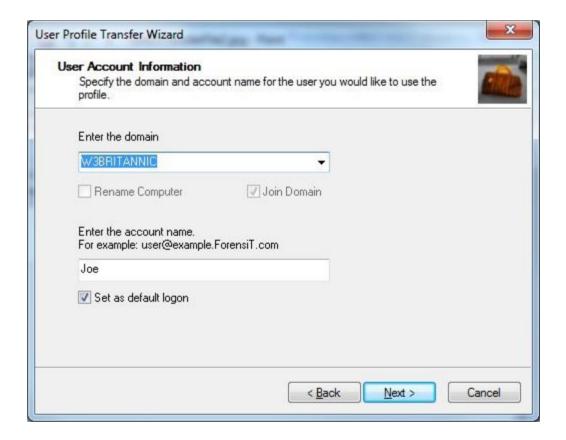
Click **Next** to continue.

# **User Account Information**



Transwiz will read the account information for the user profile from the transfer file. If you would like to assign the profile to the same user, just click **Next** to continue.

Transwiz also allows you to assign the profile to any local or domain user account that you want. To assign the profile to a different account enter the domain and account name of the user who will use the profile.



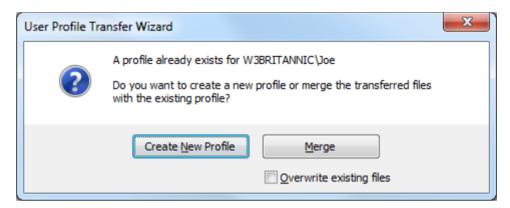
**Rename Computer** By default Transwiz will rename the computer so that it has the same name as the computer where the profile was backed up. Uncheck the box if you do not want to rename the computer.

**Join Domain** If you are migrating a domain user account profile, Transwiz will automatically join the computer to the domain. Uncheck the box if you do not want to Transwiz to join the domain computer.

**Set as default logon** By default the Wizard will set the account you specify to be the default logon on the machine. Remove the tick in the "Set as default logon" text box if you do not want the default logon to change.

# **Merge Profiles**

If a user profile already exists for the user that you have specified, Transwiz will ask you whether you want to create a new profile for the user using the profile data in the transfer file, or whether you want to merge the files in the transfer file with the user's existing profile.



If you just click **Merge** Transwiz will restore the files in the transfer file to the existing profile. If the same file exists in the transfer file and in the existing profile, then, *if the file in the transfer file is newer*, the file in the existing profile will be overwritten.

Let's say there is a file called C:\Users\Joe\Documents\Sales Figures.xlsx. If the version of this file in the transfer file is newer than the version on the hard drive, the version on the hard drive will be overwritten. If, on the other hand, the version on the hard drive is the most recent, then Transwiz will not overwrite it and it will remain unchanged after the profiles have been merged.

If you tick the **Overwrite existing files box**, then the files in the transfer file overwrite the files in the existing profile. If there is a C:\Users\Joe\Documents\Sales Figures.xlsx file in the transfer file, and a C:\Users\Joe\Documents\Sales Figures.xlsx on the hard drive, the version on the hard drive will be overwritten.

# Creating a local user account

If you assign the profile to a **local** user account that doesn't exist, the wizard will can create one for you. This is not the case for a **domain** user account.



Click **Yes** to continue.

The local user is created in 2 steps.

# Step 1



Step 2

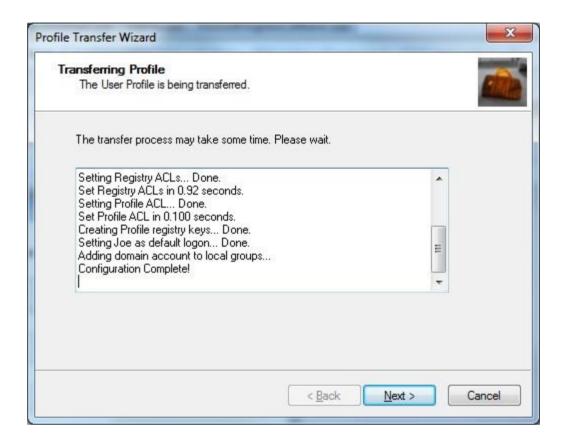
#### TRANSFERRING USER PROFILES



Click **Next** to continue

# **Transferring Profile**





Click **Next** to continue.

# **Congratulations!**





Click Finish.

# **Transferring Profiles on Windows 10**

The only way that Windows Store Apps can be installed is from the Windows Store. This means that it is not possible to simply copy Windows Store Apps from one computer to another.

Transwiz is able to transfer the Windows 10 Start Menu and all your tiles. However, the tiles will only be active if the apps are already installed on the machine.

Additionally, the data associated with a Windows Store App is not transferred. For example, if you set the Weather app for a particular location, that set up will not be remembered when you sign on to the transferred profile. However, in many cases the data for a Windows Store App is stored in the cloud with your personal Microsoft account, and so will be available as soon as you sign in with that account.

# Transwiz Settings and Backing up Additional Folders

This chapter discusses the settings in the Transwiz.config file



The Transwiz.config file allows you to specify settings that make running Transwiz easier. For example, by specifying a domain administrator account Transwiz will not have to prompt you for credentials when restoring a workstation to your domain.

Importantly, Transwiz.config is also where you can specify additional folders to backup that are outside a user's profile folder.

These features are not available with Transwiz Personal Edition.

# **Settings**

```
<!-- ForensiT User Profile Tansfer Wizard run options-->
<!-- Note: options set here are overridden by parameters passed on the command line
-->
```

#### <Domain></Domain>

If you need to join the workstation to a different domain you can specify the new domain name here. You can leave this blank if you are not changing domains.

# <DomainAdmin>

The name of an account with the necessary permissions to add a machine to your domain.

#### <DomainPwd></DomainPwd>

The <DomainAdmin> account password encrypted by a <Key>. To generated an encrypted password run Transwiz.exe from the command line with the /KEY parameter. See page 28.

# <Key></Key>

The key to decrypt the encrypted <DomainPwd> password.

#### <ArchivePwd></ArchivePwd>

The transfer file password. The password can be in plain text, but must be encrypted if you specify a <Key>.

#### <NoDefault>False/NoDefault>

Do not set the user account of the restored profile as the default workstation logon.

## <NoRename>False</NoRename>

Do not rename the workstation.

#### <Silent>False</Silent>

Do not show any error messages

# <Log></Log>

Path to the log file where User Profile Wizard will write the output from the backup/restore process.

Once the additional folders and files are backed up, Transwiz lets you choose what you want to do with them when they are restored.

```
<NoRestore>False</NoRestore>
```

If you set the <NoRestore> value to 'True' Transwiz will not restore the folders to their original locations; instead they will be kept in the user's profile in a folder called "Transferred Documents."

```
<OverWrite>True
```

If the <overWrite> value is set to 'True' Transwiz will replace any existing files in a folder with the files that have been backed up in the transfer file. The existing files will be permanently lost. If <overWrite> is set to 'False' the transferred files will be kept in the user's profile in a folder called "Transferred Documents."

```
<Span>False
```

By default Transwiz uses the Zip64 format to create a transfer file. By using Zip64 Transwiz can store a complete profile in a single file. (Zip64 files can be 16 exabytes, or over 16 billion gigabytes in size, and can include over 4 billion files and folders.)

The downside of using Zip64 is that the zip files created cannot be viewed in older zip file utilities, such as the zip file support in Windows XP. If you set <Span> to 'True' Transwiz will span the profile backup over multiple 4Gb files that are compatible with older versions of zip.

```
<CompressionLevel>1</CompressionLevel>
```

Sets the compression level for the transfer file. A value of 1 indicates that files should be compressed; a value of 0 indicates no compression.

# **Backing up Additional Folders**

```
<!-- Additional Backup Settings --> <!-- Set additional backup paths. See User Guide for more details. -->
```

Transwiz allows you to backup folders that are outside a user's profile folder - C:\Documents and Settings\username on XP or C:\Users\username on Windows 7. To specify the additional folders you use the <Include> value in Transwiz.config.

Let's say you want to backup a folder called C:\Data as well as the user's profile. To do this you would set the <Include> value as follows:

```
<Include>C:\Data</Include>
```

If you want to backup more than one additional folder you can do so by separating the folder names with the "pipe" symbol |

```
<Include>C:\Data|C:\Users\Public\Documents</Include>
```

Here we are backing up the C:\Data and the C:\Users\Public\Documents folders. May be though we don't want to backup all the files in a folder: maybe we just want to backup certain types of files. Transwiz lets you do this as well. For example, if we only want to backup PDF, Excel and Word files from C:\Users\Public\Documents we would set the <Include> value like this:

```
<Include>C:\Data|C:\Users\Public\Documents*.pdf*.xls*.docx</Include>
```

**Note** that the different folders to backup are separated by the pipe symbol | but the types of files to backup are separated by a star \*.

# **Excluding Folders and Files**

In addition to including additional folders and files, you can also exclude folders and specific file types from the backup of the user's profile folder.

To exclude folders, add the <ExcludeFolders> value to your Transwiz.config file, and separate the folder names with the "pipe" symbol |.

Folder names are relative to the profile folder, so if you want to exclude the contents of the C:\Users\Username\Pictures folder from the backup, you just add **Pictures** to the <ExcludeFolders> value:

<ExcludeFolders>Pictures/ExcludeFolders>

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If you want to exclude the C:\Users\Username\Documents\Sales folder from the backup, you just add **Documents\Sales** to the <ExcludeFolders> value

<ExcludeFolders>Pictures|Documents\Sales

You can also exclude files by type using the <Exclude> value.

For example, to exclude some common music file types we can specify the following:

<Exclude>\*.mp3\*.m4p\*.m4a</Exclude>

# **Automating Transwiz Professional Edition**

This Chapter describes how to automate the transfer of user profiles using the Transviz Professional Edition Command Line and scripting.

Using the Transwiz Professional Edition command line allows you to automate the transfer of user profiles between machines. For example, you can create a script that will back up all the profiles on the machine.

# **Command Line Parameters**

Type **Transwiz** /? at a command prompt and you will see the screen shown on the next page.



In this section we will describe each command line parameter in turn.

# x Transwiz Usage: Transwiz /BACKUP|/RESTORE /TRANSFERFILE filepath /SOURCEACCOUNT accountname [/TARGETACCOUNT accountname] [/ARCHIVEPWD password] [/NOPATHS] [/DOMAINADMIN domainlogon] [/DOMAINADMIN domainlogon] [/DOMAINPWD password] [/KEY key] [/NOJOIN] [/NORENAME] [/NOREBOOT] [/NODEFAULT] [/SILENT] [/LOG [logfile]] /RESTORE -Restore a transfer file /BACKUP -Create a transfer file /TRANSFERFILE-Location of the transfer file /SOURCEACCOUNT The account whose profile will be migrated /TARGETACCOUNT The account name of the user who will use the profile /ARCHIVEPWD -The password which protects the archive /NOPATHS -Do not backup additional folders /DOMAINADMIN -The domain account to use to connect to your domain. /DOMAINPWD -The encrypted DOMAINADMIN account password. (Must be used in combination with KEY) Key to decrypt DOMAINPWD. To generate an /KEY encrypted passworduse /KEY without any other parameters. /NOJOIN -Do not join the local machine to the domain of a transferred profile account /NORENAME -Do not rename the machine /NOREBOOT -Do not reboot the machine after joining a domain Do not set the transferred profile account as the /NODEFAULT default logon /SILENT -Do not show any error messages /LOG -Write results to a log file OK

#### /RESTORE

This allows you to restore a profile that you previously backed up using Transwiz.

#### /BACKUP

This allows you to backup a profile and associated data so that it can be transferred to another machine. The data will be stored in a zip file in a location of your choosing.

#### /TRANSFERFILE

If you are performing a **backup**, this will hold the location you would like the zip file to be stored.

If you performing a **restore** this will be the location of the zip file you wish to restore.

#### /SOURCEACCOUNT sourceaccountname

The name of the user account whose profile will be migrated.

# /TARGETACCOUNT targetaccountname (Optional)

When you restore a backed up profile, Transwiz creates a new profile on the target machine for the user account whose profile you backed up. If you want to assign this profile to a different user account then use this option.

# /ARCHIVEPWD password (Optional)

Password which protects the archive. If you choose this option you will be need to supply the password when restoring the profile.

## /NOPATHS (Optional)

Do not backup the additional folders specified by the <Paths> value in Profwiz.config. This is useful if you are backing up multiple profiles and you only want to backup additional folders once.

#### **/DOMAINADMIN domainadmin (Optional)**

The name of an account with the necessary permissions to add the machine to the domain when a profile is restored.

#### **/DOMAINPWD password (Optional)**

The DOMAINADMIN account password encrypted by KEY.

# /KEY key (Optional)

The key to decrypt encrypted DOMAINPWD passwords.

To generate an encrypted password use /KEY without any other parameters.

Having plain text passwords in you script files is not good security practice. To help you avoid this, User Profile Wizard gives you the option of encrypting your DOMAINADMIN passwords. To do this, run the wizard with just the /KEY switch, for example:

# C:\>Transwiz /KEY

This will bring up the "Generate an Encrypted Password" wizard.



Enter the plain text password in the "Enter the password" text box. Enter a "key" word that Transwiz will use to encrypt and decrypt the password – this should be completely unrelated to the password to stop anyone guessing what the password might be. Click "Next"

The encrypted password is generated in the "encrypted password" window on the next page. You can cut and paste the encrypted password into your Transwiz.config file, or use it on the command line.

#### /NORENAME

Do not rename the machine. By default Transwiz will rename a workstation to match the name of the original source machine. Use /NORENAME to prevent this.

# /NOJOIN (Optional)

Transwiz will automatically join a workstation to the domain of the user account whose profile has been restored. Use /NOJOIN if you don't want this to happen.

# /NOREBOOT (Optional)

Do not reboot the machine after joining a domain.

# /NODEFAULT (Optional)

Do not set the user account whose profile has been restored as the default workstation logon.

# /SILENT (Optional)

Do not show any error messages

# /LOG logfile (Optional)

Write results to a log file.

# **Using the Command Line**

#### Backup

Let's say that we want to backup Steve's user profile. His user account is on the OLYMPIC domain. We want to create a transfer file on the Olympic1 server in the 'Transwiz' share and protect it with the password 'beachball'. The command line to do this is as follows:

C:\> Transwiz /BACKUP /SOURCEACCOUNT OLYMPIC\Steve /TRANSFERFILE \\Olympic1\Transwiz\Steve.trans.zip /LOG c:\backup.log /ARCHIVEPWD beachball

Note that we are also creating log file in the root of the C: drive.

# Restore

We want to transfer Steve's profile to a new machine. The machine has been imaged, but has not been joined to the OLYMPIC domain. To transfer Steve's profile to the new machine we use the following command line:

C:\> Transwiz /RESTORE /TRANSFERFILE \\Olympic1\Transwiz\Steve.trans.zip /DOMAINADMIN Administrator /DOMAINPWD 2E8DBD06FB28F02240C579E0E4245FED20A909FFBE77D805 /KEY backup /LOG c:\backup.log /ARCHIVEPWD beachball

This command line is very similar to the command line to back up the profile above. This time however, we use the /DOMAINADMIN and /DOMAINPWD parameters to give Transwiz the credentials to join the machine to the OLYMPIC domain.

Transwiz will restore Steve's profile and automatically join the machine to the OLYMPIC domain. Note that we do not need to specify the OLYMPIC domain: Transwiz keeps track of Steve's user account details in the transfer file.

# **Creating Transfer Scripts**



Now that we have seen a working command line, it is easy to create powerful profile transfer solutions with some simple vbscript.

The Transwiz Professional Edition setup file installs two sample scripts. The first script **Transfer\_All.vbs** will back up the profiles of all users of a workstation who belong to a given domain. To use the script you just need to edit the section where it says "Set variables in this section"

```
'Set variables in this section

'Enter the your domain name here
strDomain="BRITANNIC"

'Path to backup file location
strBackupFilePath="\\britannic2\Backup"

'To exclude a user account from the backup add...
arrExcludeList=Array("ASPNET", "Administrator")
```

Setting the strDomain variable tells the script to just back up user profiles for user accounts on the domain you specify. To backup local accounts set strDomain=""

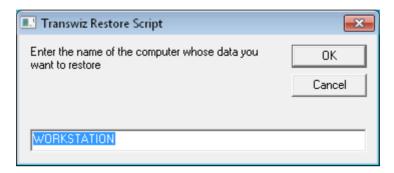
The strBackupFilePath variable tells the script where to back up the profiles. The script will a create a folder at this location using the name of the workstation and save the transfer files in the folder. A log file is also written here.

The arrExcludeList variable lets you specify accounts whose profiles you do *not* want to back up. For example, you may not want to back up the Administrator account profile.

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The second sample script is **Restore\_All.vbs**. This script restores the profiles that the Transfer\_All.vbs script backed up. Again you need to set the path to the backup file location at the top of the script.

There are two ways to run the Restore\_All.vbs script. If you just double-click the script file, you will be presented with an Input Box that asks you to enter the name of the workstation whose files you want to restore:



Alternatively, you can run Restore\_All.vbs and specify the computer name from the command line:

```
Command Prompt

Microsoft Windows [Version 6.1.7600]

Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\David>Restore_All WORKSTATION
```

Transfer\_All.vbs and Restore\_All.vbs are just the start! At ForensiT we like scripting because it provides a powerful level of "indirection". It gives you the freedom to customize the core functionality of Transwiz in a way that is right for you. The ForensiT support team has years of scripting experience and we are always happy to help you with the development of your scripts; just email <a href="mailto:support@ForensiT.com">support@ForensiT.com</a>

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