

ForensiT User Profile Wizard Sample Migration Scripts

This zip archive contains the files described below.

EnumSIDs.vbs

User Profile Wizard does not need access to the old domain in order to migrate a user's old domain account profile to their new domain account. However, it does need to resolve the user's old domain account SID (**S**ecurity **I**Dentifier) to their username. Generally, this is not a problem: Windows caches domain account information locally so that the SID/username mapping can be done without needing access to a Domain Controller. (If this were not the case, laptop users would never be able to logon offline.) However, there are circumstances where this no longer works – most notably, if the machine has been “unjoined” from the old domain.

To get around this problem, the *EnumSIDs.vbs* script generates the user's account name from their user profile folder name. This method of finding the user account name depends on the fact that Windows creates a profile folder with the same name as the user account name. Now, it is conceivable that the user's profile folder name is *not* the same as their account name – maybe they renamed the profile folder, or perhaps they used User Profile Wizard previously to assign the profile from a completely different account. However, such circumstances are extremely rare. So although *EnumSIDs.vbs* may not be perfect, it is pretty good. What's more, it can handle profile folder names where Windows has appended a domain name to the user name, such as Jane.DOMAIN.

The first thing *EnumSIDs.vbs* does is walk through the list of user profiles on a machine and compare the associated user SIDs with a partial SID that you specify. A user SID is a unique string made up of a domain specific part and a user specific part. Because we only want to migrate accounts from a particular domain, we need to tell *EnumSIDs.vbs* the domain specific part so that it only migrates accounts from that domain. For example, say my SID is

S-1-5-21-507921405-362288127-1606980848-1206

I need to edit the *EnumSIDs.vbs* script as follows:

```
'Set variables in this section

'Enter old domain SID (can be partial)
strDomainSid="S-1-5-21-507921405"
```

Now the script will only attempt to migrate accounts from the domain I am interested in and not, for example, local machine accounts.

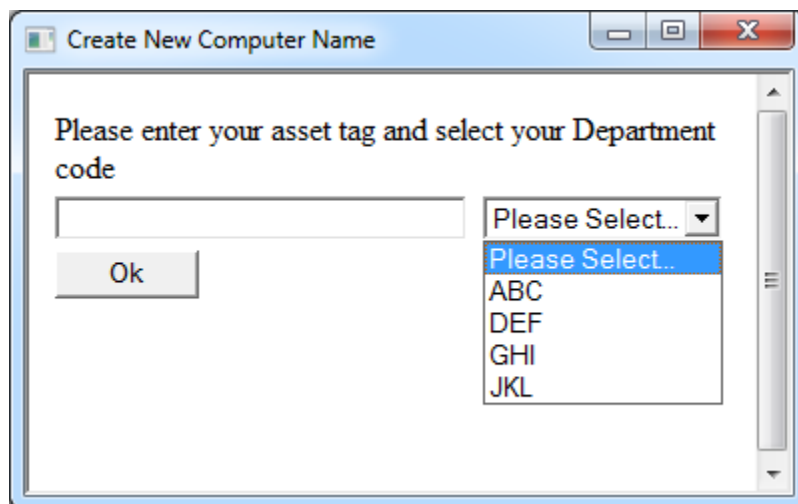
Please note that the <All> parameter in Profwiz.config *must* be set to 'false' for *EnumSIDs.vbs* to work.

If you have any difficulties in determining what SID you should be using, download PsGetSid from the Microsoft Sysinternals website [here](#).

NewComputerName.hta

At ForensiT we do everything we can to make the process of migrating a workstation to a new domain as automatic possible with minimal – or no – interaction with the user of the machine. However, sometimes it just cannot be helped.

A customer required that their workstations be renamed based on the asset tag of the machine and the department the user was a member of. *NewComputerName.hta* is a HTML Application (HTA) that prompts the user to enter the details and then calls User Profile Wizard to migrate and rename the machine.



NewComputerName.hta is a simple example of what can be done with hta scripts –you can make them as complex and sophisticated as your requirements demand.

NoPromptForReboot.vbs

By default, the User Profile Wizard Deployment Kit generates a migration script that prompts the user to reboot their machine once it has been migrated to a new domain. One of the most common requests we have is to change this behaviour so that the machine just reboots – without prompting.

NoPromptForReboot.vbs contains a code snippet to enable this to happen. Simply copy the `PromptForReboot()` function from *NoPromptForReboot.vbs* and paste it into your migration script **replacing** the `PromptForReboot()` function that is already there.

(Yes, we know it's still called `PromptForReboot()` even though it doesn't prompt anymore, but that's backwards compatibility for you.)

GetNewName.vbs

One very powerful technique you can use when automating User Profile Wizard is to map old user account names to new user account names, or old computer names to new computer names. User Profile Wizard 3.0 does this for you, without you needing to do any scripting at all. However, what if what you want to do is map *computer* names to *user* names? You don't think that would ever be required? We have customers come to us who have user's logging on locally to their machines *all with the same username*. In these circumstances, the only thing that is unique is the computer name. If you know the name of the computer each person has, you can map the existing computer name to a new domain user account name.

GetNewName.vbs contains a code snippet for the `GetNewName()` function which uses a .csv file to map old names to new names. This little function was used extensively with User Profile Wizard 2.5 and is one of the most useful we have ever come up with. We are including here so we don't lose it.

To be continued...