

Conflict Explorer 2009

First steps

1. Introduction

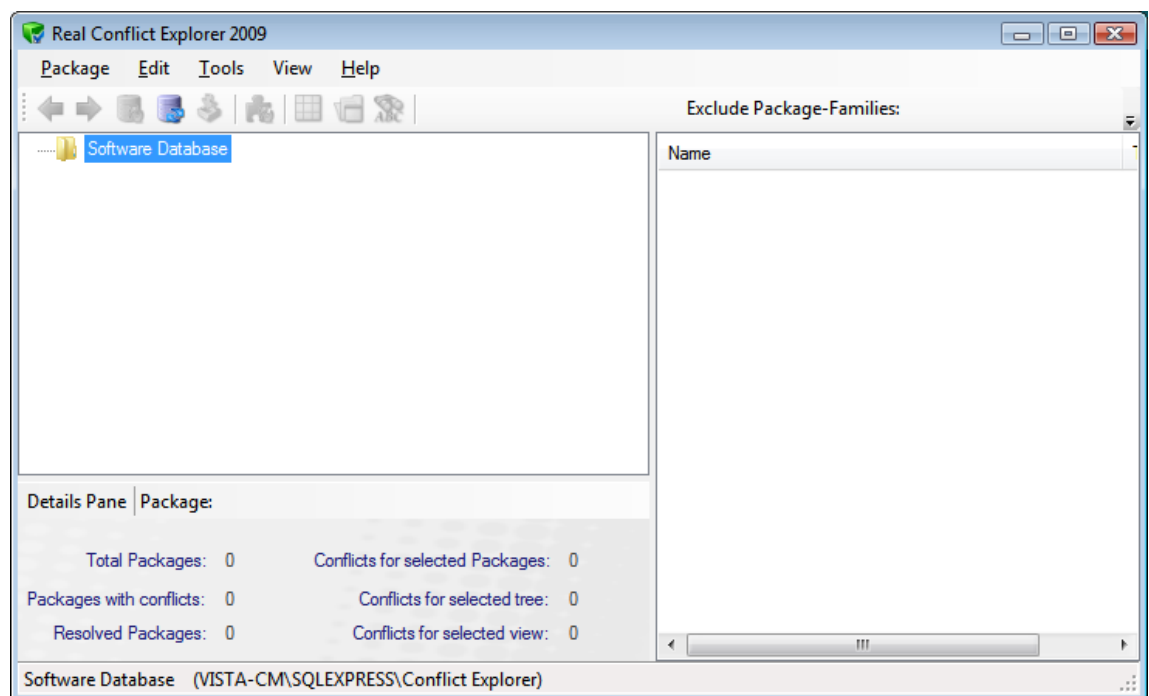
After *Conflict Explorer 2009* has been successfully installed, you can carry out the following steps in order to perform an initial conflict visualisation, followed by a subsequent conflict resolution. More detailed information can be found in the document *Deploying and Using Conflict Explorer 2009 (hb_ConflictExplorer.pdf)*. This document outlines only a rough schematic workflow.

2. Before you start

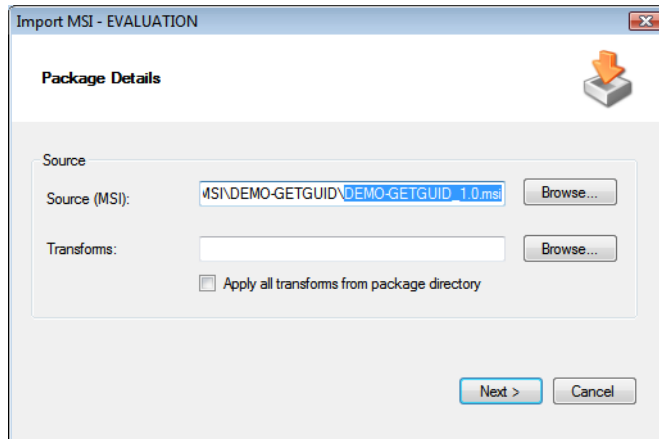
Once installation has been completed successfully, confirm that the script *AddFullTrustingAndShortcuts.vbs* from the *Client Setup* subdirectory has been executed on every computer intending to use *Conflict Explorer 2009*! Only after running this script should you start *Conflict Explorer 2009* by using the link on the Start Menu or desktop.

3. Importing and scanning software packages

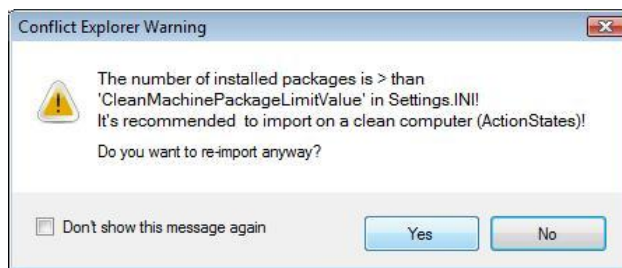
After installation, the following view is displayed in *Conflict Explorer 2009*:



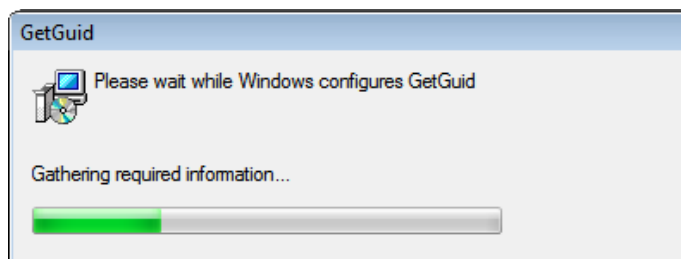
1. Ensure that you carry out the following actions on a "bare bones" operating system, i.e. what's known as a *clean machine*.
2. Choose *Package/Import...*
3. On the following screen, click on *Browse...* and open the MSI file stored at *\DemoMSNDEMO-DETGUID\DEMO-GETGUID_1.0.msi* (see next screenshot).



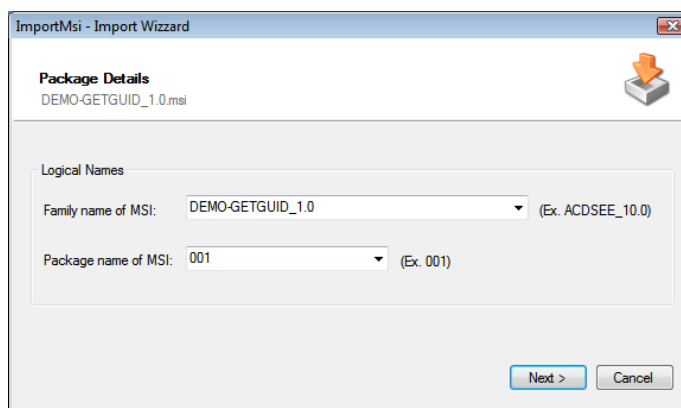
4. Click on *Next*.
5. If the following error message appears, then you can confirm this for the purposes of this one-off test with *Yes*.



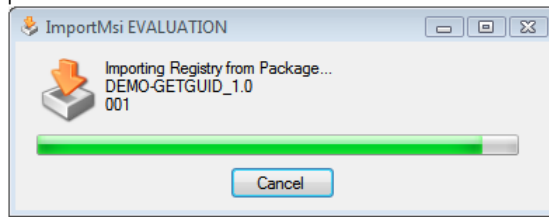
6. The following window appears briefly. This indicates that the MSI file contains a filled-in *SelfReg* table. *Conflict Explorer 2009* carries out a pseudo-installation to identify this *SelfReg* data.



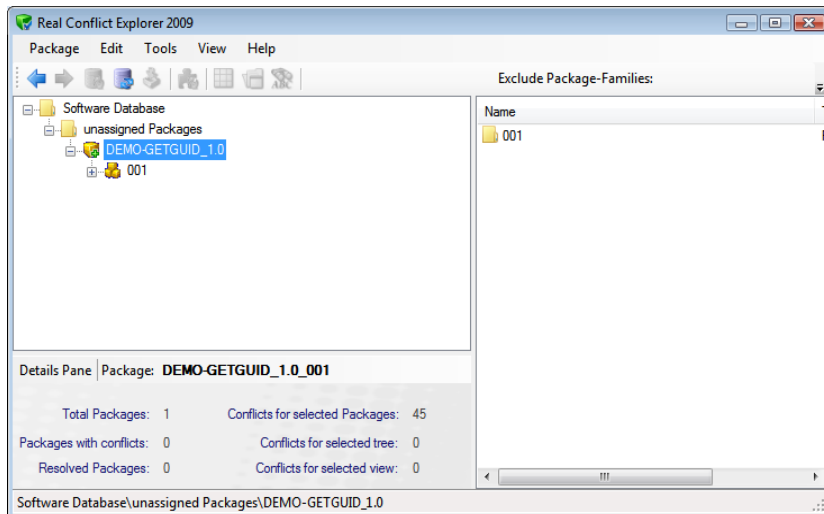
7. The following screen displays the names read out of the MSI file. Although you can in principle change these, for our purposes we will leave these names as they are.



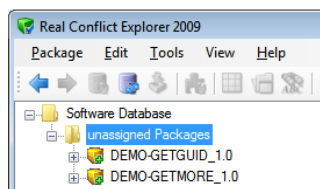
- Confirm with *Next*. The following screen then appears, indicating that a full import is taking place:



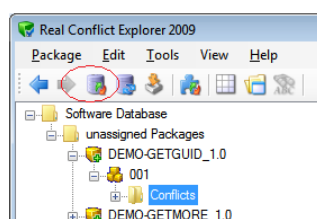
- The tree item *Software Database* is now expanded within *Conflict Explorer 2009*. We now find the software package we just imported in the group *unassigned Packages*, indicated by a yellow icon.



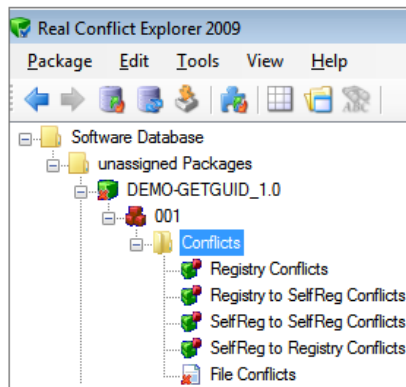
- In the next step, we import a second software package. We complete the same steps as before. Choose *Package/Import...*
- On the following screen, click on "Browse..." and open the MSI file stored at `\DemoMS\DEMO-GETMORE\DEMO-GETMORE_1.0.msi`.
- Confirm any notifications once again and complete the import process as before.
- Conflict Explorer 2009* should now be displaying the following screen:



- Now expand the *Conflicts* tree item until the *Scan Package Conflicts* button is activated on the toolbar. Click on this button.

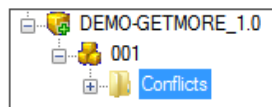


- The following screen is now displayed in *Conflict Explorer 2009*:

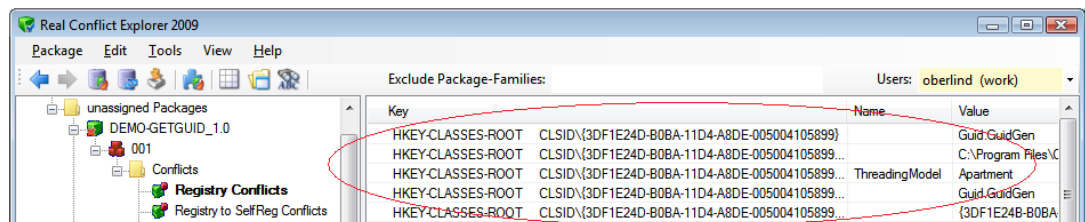


The *Conflicts* tree item lists all of the conflict types for this software package.

- Repeat this task (*Scan Package Conflicts*) for the next software package.

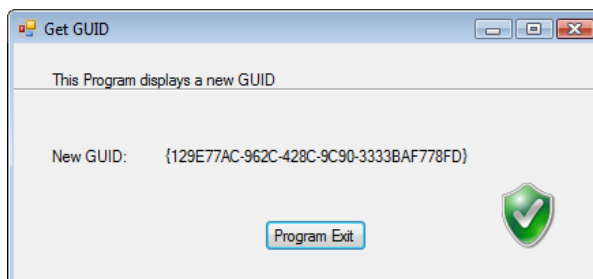


- Both software packages should now show reciprocally conflicting entries. Select a specific conflict tree item and view the conflict display on the right-hand side.

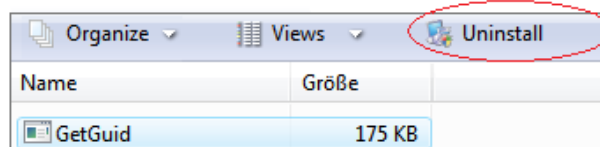


4. Functional demo

- As a result of the pseudo-installation during the import process, both programs should now be installed on drive C:\. Warning: this is not always the case. *Conflict Explorer 2009* will only perform pseudo-installation for MSI packages containing *SelfReg* data. Now start both programs (found under *%ProgramFiles%\GetGuid* and *%ProgramFiles%\GetGuidAndMore*) and observe the result:

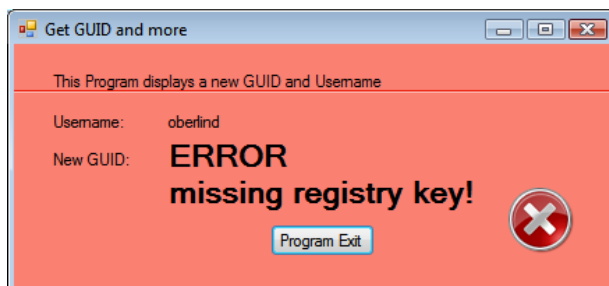


- Now uninstall one of the programs using *Control Panel*.



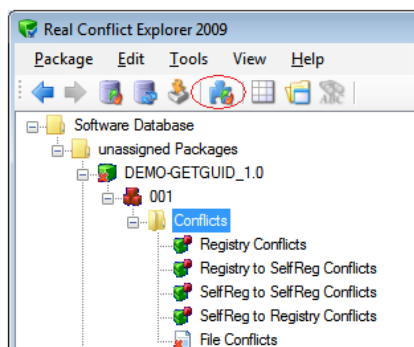
- Now start the remaining program. This should trigger an error message, since a number of shared resources have been removed by the uninstall process. This is one scenario (among many) that is observed time and again when dealing with standard programs. The consequences of such errors will of course vary widely.

We now want to prevent this scenario by using automatic conflict resolution.

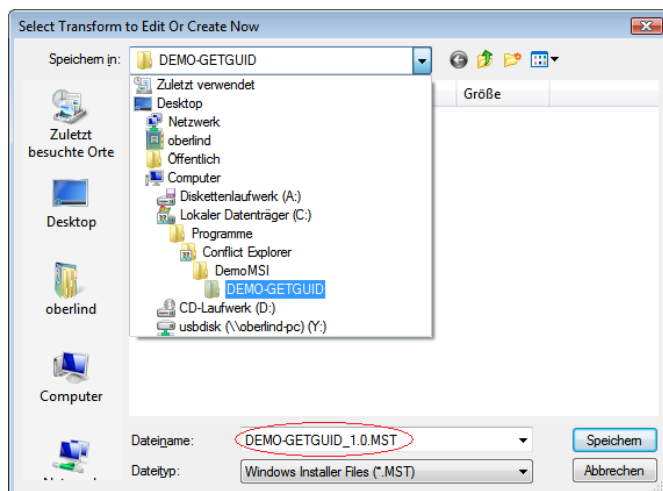


5. Conflict resolution

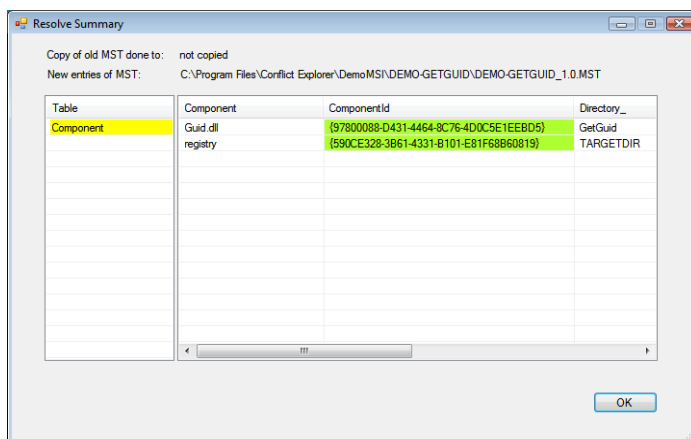
- Switch back to *Conflict Explorer 2009* and select the *Conflicts* tree item under *DEMO-GETGUID_1.0*. The *Automatic Resolve Conflicts* button is now activated on the toolbar. Click this button.



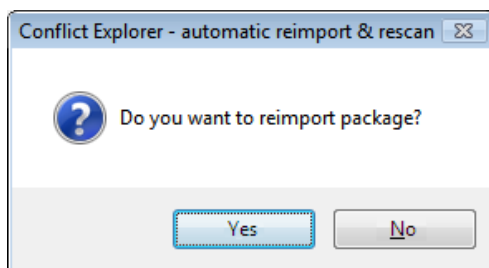
- In the next screen shown, you will need to specify an MST file that will be used to store the changes made by *Conflict Explorer 2009*.



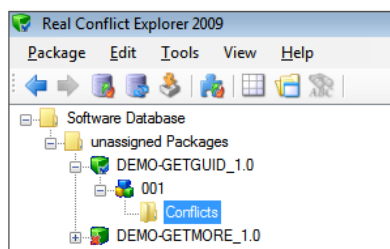
- A summary screen is then shown, containing information about changes made in this transform.



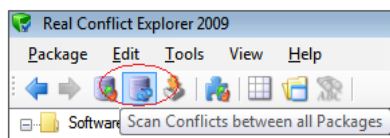
- After confirming this with *OK*, you will be requested to re-import the package and then to carry out a *Rescan* of the conflicts. Always confirm this screen with *Yes*!



- The conflicts have now disappeared and are no longer shown in the display.



- Since a harmonisation of *ComponentIds* was carried out for this software package, conflict resolution in the first software package has also had positive effects on conflicts in the second software package. If you now click on *Scan Conflicts between all Packages*, you will see that the conflicts in the second software package now also disappear.



6. Testing the conflict-free software packages

- Restore the initial scenario with your "bare bones" operating system (clean machine), and then install both software products. For the corrected software package, use the following transform:

```
Msiexec.exe /i "C:\Program Files\Conflict Explorer\DemoMS\DEMO-GETGUID\DEMO-GETGUID_1.0.msi"
TRANSFORMS="C:\Program Files\Conflict Explorer\DemoMS\DEMO-GETGUID\DEMO-GETGUID_1.0.MST"
```

- Now remove one of the software packages as described in Chapter 4 and test the application. You will observe that no further errors are triggered.