

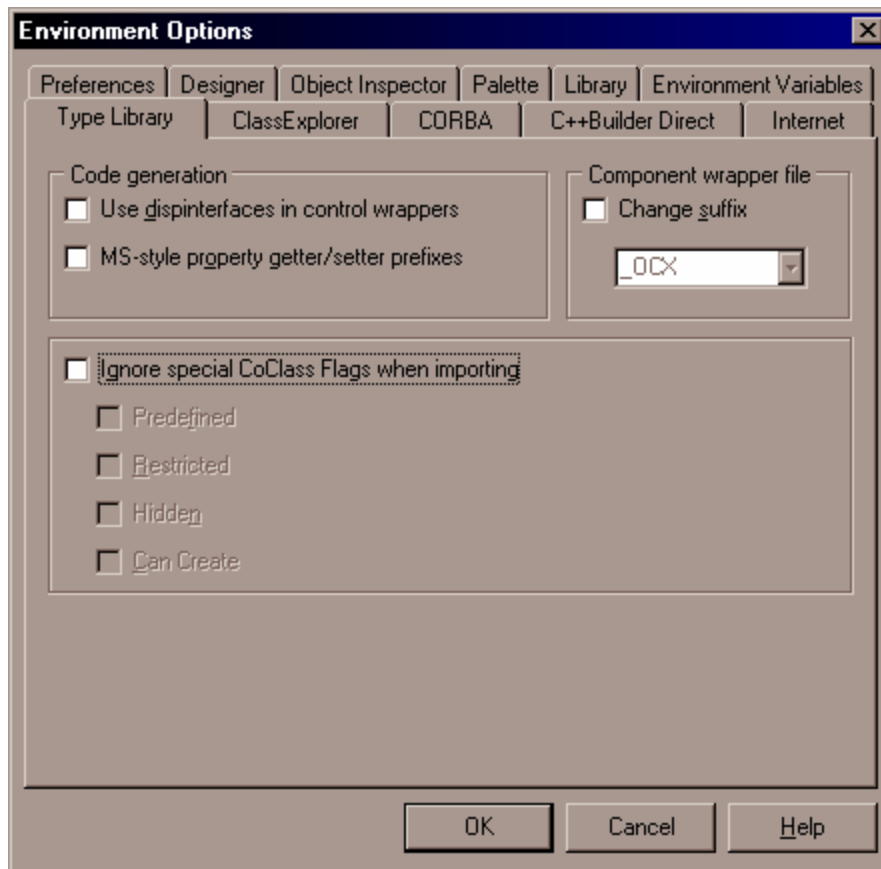
Using DVT ActiveX controls with Borland C++ Builder.

This document summarizes the steps to correctly install and use the DVT ActiveX controls in Borland C++ Builder ver. 6.

Installation

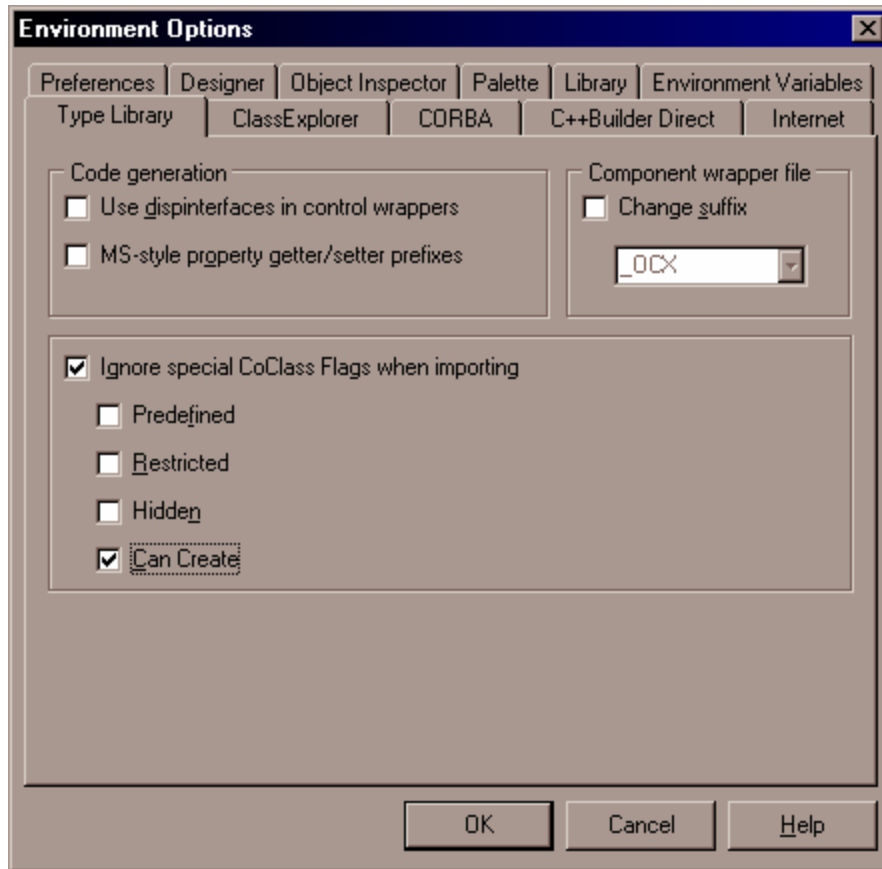
Before the ActiveX control is first imported into Borland C++ Builder 6, the option to ignore the “CanCreate” flags must be selected or it will not be imported correctly, in order to do that the following steps must be performed:

From the main menu select **Tools** and **Environment Options**. In the dialog box that appears, select the tab **Type Library** and you will see the following screen:



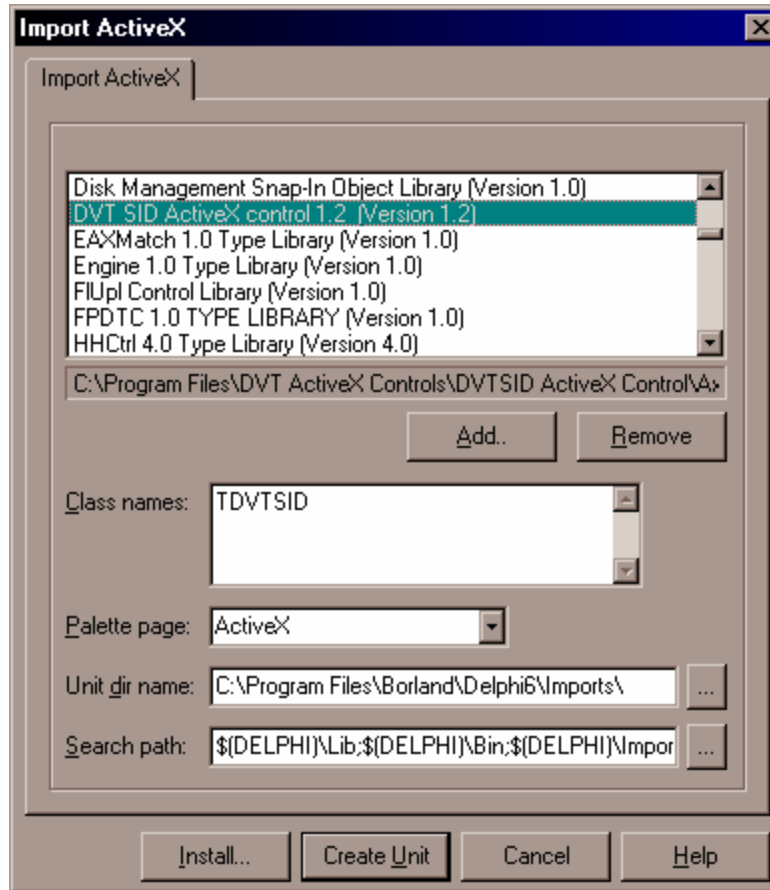
In order to ignore the “CanCreate” flags, you must put a checkmark next to the option **Ignore special CoClass Flags when importing** which will enable the options below it. These options will be unchecked by default, put a checkmark next to the option **Can**

Create and the control will be imported without the conflicting flags. The dialog box should look like this:



Exit this dialog box now by clicking OK.

Next, proceed with the installation of the ActiveX control just like with any other control. In order to do that, select **Component** from the main menu and then select **Import ActiveX control...** from the corresponding sub menu. This will bring up a dialog box with a list of ActiveX controls available for installation. Browse through that list to find **DVT SID ActiveX control** (may be followed by a version number). If the control is not listed click on the **Add** button and browse through your folders to find the file "AxSID.ocx" usually located in the directory "C:\Program Files\DVT ActiveX Controls\DVT SID ActiveX controls." Once you have the control in the list proceed to install it as any other ActiveX control. This will make the DVT SID icon available from the ActiveX tab of the components task bar.



Import ActiveX dialog box showing version 1.2 of the DVT SID ActiveX controls

Using the DVT SID ActiveX control

The functionality of the ActiveX control is not altered by the platform being used. However, there is a couple of details that need to be taken into account when using Borland C++ Builder and the DVT SID ActiveX control.

When functions are used such as Connect, PlayImages, etc. the user must specify the list of arguments. The flexibility of not indicating any argument for the functions and having the DVT SID control use the values that were loaded as its own properties does not apply in this platform. In the simple example that has been posted, the DVT SID object was created using a certain IP address and port number. However, the function Connect still requires that we specify the IP address and ports of the device we want to connect to.

The second important consideration is that the strings used as arguments must be declared as “BCBS” variables. Any other string format will go unrecognized by the program.

So far, only one compatibility issue has been reported between DVT SID ActiveX control and BCBver6. The image size property will not work correctly because of the

way that those parameters are created in the ActiveX control. The image size must then be fixed at the default value (1/4).

Sample Program

A short, very simple project was created to illustrate the use of the DVT SID ActiveX control. It simply connects to the emulator (on IP address 127.0.0.1, port 5000) and plays images from it. It has four buttons to connect, start playing images, stop playing images, and disconnect. This project by no means represents all the capabilities of the DVT SID ActiveX control. The installation file of the control should provide extensive help as well as a more complete example made on Visual Basic. For more information on the DVT SID ActiveX control please refer to its documentation. To obtain the sample program download the file “BCBver6_SampleProj.zip” from the DVT website.