Running Dynamic C® With Windows Vista®

Rabbit has completed its evaluation of the Dynamic C integrated development environment for compatibility with Windows Vista.

- In a PC, laptop, or workstation with only a single processor, Dynamic C runs under Windows Vista with no modifications or additional steps.

- In a PC, laptop, or workstation with a dual or multi processor, Dynamic C works with the Windows Vista operating system when the *Processor Affinity is set to 0*. This Technical Note describes how to set or verify the Processor Affinity setting. Table 1 summarizes the circumstances for how the Processor Affinity settings are made for various versions of Dynamic C.

Table 1. Processor Affinity Settings

Dynamic C Version	Set Manually	Set Automatically
Dynamic C 32 v. 6.30 (Z180 microprocessors)	Always	—
Dynamic C v. 9.xx (Rabbit 2000 and Rabbit 3000 microprocessors)	Up to Dynamic C v. 9.52	Starting with Dynamic C v. 9.60
Dynamic C v. 10.xx (Rabbit 4000 microprocessors)	Up to Dynamic C v. 10.21	Starting with Dynamic C release after Dynamic C v. 10.21

Set/Verify Processor Affinity Manually

1. Once Dynamic C is installed, start Dynamic C by double-clicking the Dynamic C icon on your desktop or in your **Start** menu.

2. Open the Windows Task Manager by right-clicking an empty space on the Windows taskbar, and then clicking **Task Manager**.

3. Click on the "Processes" tab in the Windows Task Manager, and select the Dynamic C image name. The image name you are looking for will be that of the Dynamic C **.exe** file, which will likely have the format **Dcrab_xxx**, where **xxx** corresponds to the version number.
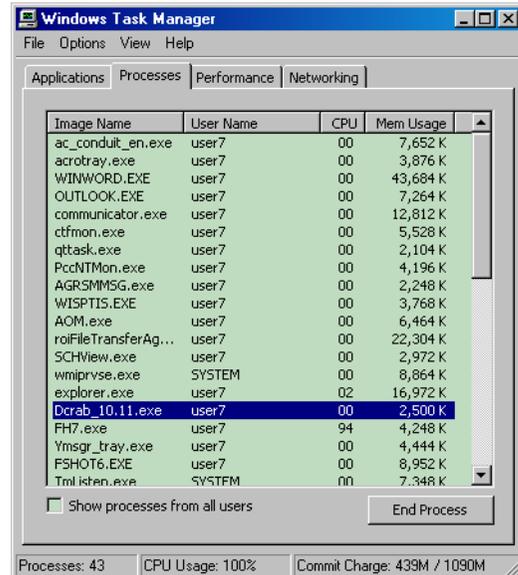
4. Right-click on the Dynamic C image name, then click **Set Affinity…**.
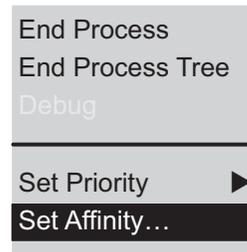
5. You will see a list of available processors and check boxes. Only **CPU0** needs to be checked. *Uncheck* any other processors if they are checked. Click **OK**, and close the Windows Task Manager.
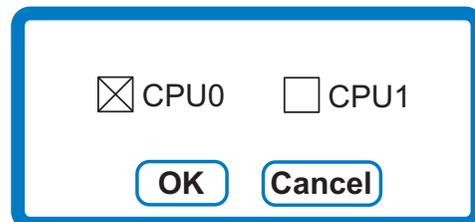
Set Processor Affinity Via Utility

A utility is included with this Technical Note to allow you to start Dynamic C with the *Processor Affinity set to 0* for versions of Dynamic C where the Processor Affinity must be set manually.

1. Open the **TN257.zip** file, and extract the files.

2. Use the Windows **Start | Run** menu to launch the **RunOnCPU0.exe** executable.

3. Use the **BROWSE** button to find the Dynamic C **.exe** file, which will likely have the format **Dcrab_xxx**, where **xxx** corresponds to the version number.
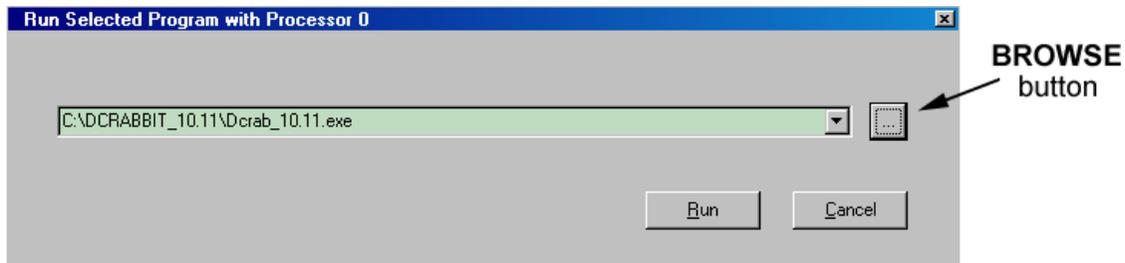
4. Click **Run** to start Dynamic C with the *Processor Affinity set to 0*.

5. You may also create a shortcut for your desktop by right-clicking on your desktop, then selecting **New > Shortcut**. Click **OK** when you are done setting up the shortcut.
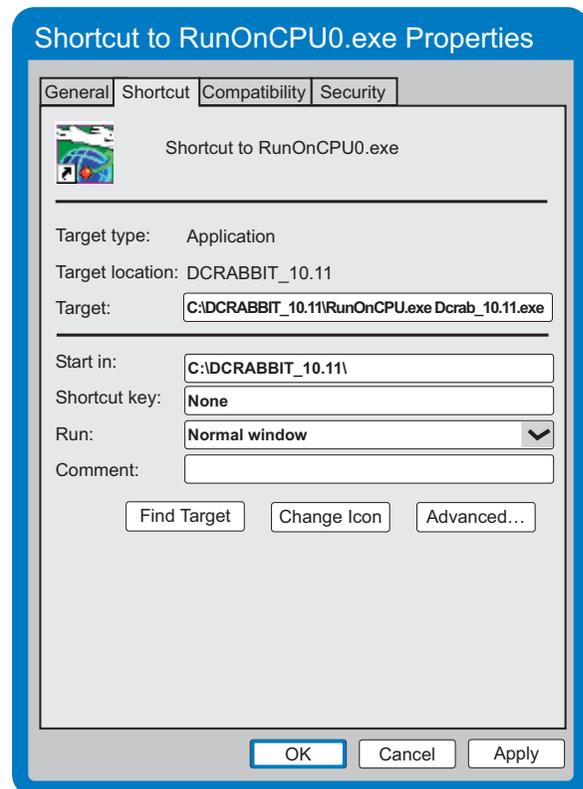
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