

threading choice on single/multiple CPU

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2004-07/3190.html>

From: Tommy (*tommy_at_kaiyunzhu.net*)

Date: 07/14/04

Date: Tue, 13 Jul 2004 23:28:29 -0400

Just recently, I happened came across one .net multithreading book saying that multithread programs might get differential in stability when running on single CPU machine compared to a multi-CPU one. The book also recommends a way in .NET to run specific thread on specific CPU.

Now I am facing a new project which is going to be deployed to either a single or a multiple CPU machine. My problem is: can .NET 'automatically' detect CPU status and distribute threads created by my program to all the installed CPUs, in other words, without 'manually' set in the program for the thread to be specific CPU centric, can a multithreaded program fully utilized the CPU resources provided by the system?

I am quite confused about that, could anyone of you give me some advice, thanks and appreciated.