

Tuesday, March 26, 2013

## Nice tool for Increasing memory for 32 bit apps on 64 bit systems

If you're still running 32 bit applications on a 64 bit operating system, you may know there are some options for increasing the amount of memory that the application can access.

While a 32 bit application has the address range to see 4 GB of memory, by default they are limited to 2 GB of memory, leaving the other 2 GB available to the operating system. This was primarily due to the 4 GB restriction on addressable memory on 32 bit operating systems. Once you're on a 64 bit operating system with more than 4 GB of memory though, there's no point in that default restriction.

What it all boils down to is setting a flag in the program's executable that tells the operating system that the application can handle larger addressable memory. In particular, the `editbin` tool that comes with Visual Studio allows you to pass a `/LARGEADDRESSAWARE` flag to modify a program executable so that flag is set.

However, if you don't have Visual Studio, or you do but you want an easier way to handle this, then look at the [4GB Patch tool](#) from NTCore. The utility is free, simple to use and makes a backup copy of the executable prior to making the modification.

Posted by [Bruce Armstrong](#) at 5:03 AM



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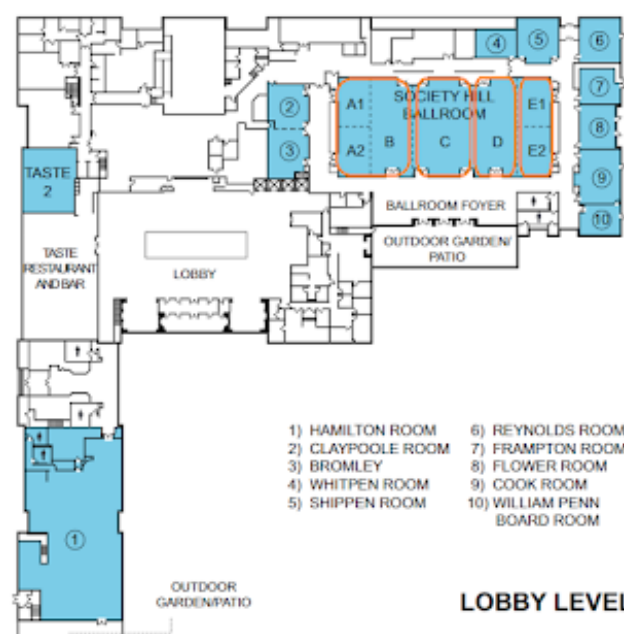
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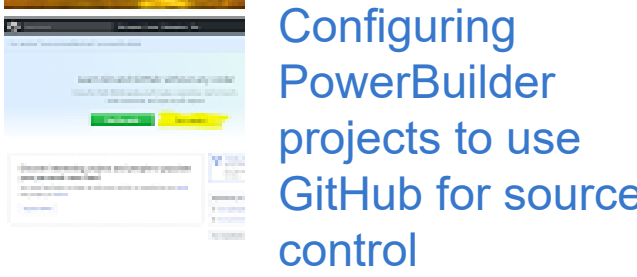
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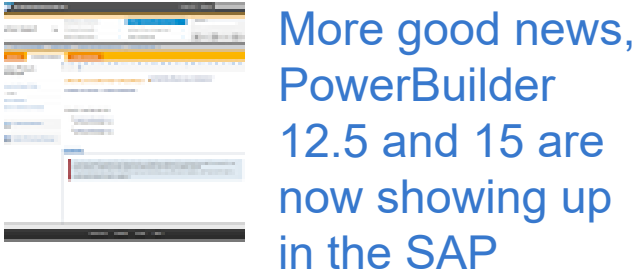
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### About Me



 **Bruce Armstrong**

Bruce Armstrong is a development lead with Integrated Data Services (IDS). Prior to joining IDS 14 years ago, he was an independent consultant for 15 years doing PowerBuilder development for companies such as Rockwell, Hughes, Boeing, Western Asset Management, Investment Technology Group and Johnson & Johnson. He has been using PowerBuilder since version 1.0.B. He was a charter member of TeamSybase (formerly TeamPS), a PowerBuilder MVP, an SAP Mentor and now and Appeon MVP. He was a contributing author to SYS-CON's PowerBuilder 4.0 Secrets of the Masters and the editor of SAMS' PowerBuilder 9: Advanced Client/Server Development. He has contributed numerous articles to the PowerBuilder Developer's Journal (PBDJ) and the ISUG Tech Journal. He served as the editor-in-chief of PBDJ from 2004 to 2013 and served for a while as a technical editor for the ISUG Tech Journal. He has done sessions on PowerBuilder at most TechWaves, SAP TechEd and Appeon Elevate conferences since 2004, at local user group meetings in Columbia, Germany, Belgium, Switzerland, England, Italy and France and numerous webcasts.

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