



Programming Guidelines: Going from Novice towards Expert on Intel Architecture
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This two-hour talk is aimed at application programmers that seek to get the most performance possible out of Intel Architecture based platforms. The motivation for this talk is to clarify the benefits of each of the features of each processor product lines. After this talk, the audience will understand the new features of the Xeon Processor with Extended Memory 64-bit Technology; the audience will also understand the key differences between XPF and IPF2. This talk also includes guidelines for preparing for future editions of the XPF and IPF2 product lines.

Within the timeframe given for this talk, the goal is to meaningfully cover each of these topics: The new features in XPF with EM64T Programming considerations for whether to use legacy 32-bit mode or the new 64-bit mode. Seeking best performance from XPF with EM64T Differences between XPF with EM64T and IPF2 Dual core and multi-core considerations for applications