

How to retrieve the CPU vendor ID

Here is a little assembly code routine that shows how to retrieve the computer's CPU vendor ID.

```
function GetCPUVendor: string;
var
  aVendor: array [0 .. 2] of LongWord;
  iI, iJ: Integer;
begin
  asm
    push  ebx
    xor   eax, eax
    dw    $A20F // CPUID instruction
    mov   LongWord ptr aVendor, ebx
    mov   LongWord ptr aVendor[+4], edx
    mov   LongWord ptr aVendor[+8], ecx
    pop   ebx
  end;
  for iI := 0 to 2 do
    for iJ := 0 to 3 do
      Result := Result +
        Chr((aVendor[iI] and ($000000ff shl (iJ * 8))) shr (iJ * 8));
    end;
  end;
```

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Added:	2014-01-22
Last updated:	2014-01-22

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