

Forum:[Hack Forums](#)

Thread: [C# Advantages over Visual Basic](#)

M?estro - September 21, 2016, 1:10 pm

I've done a lot of work in VB.net and I'm learning C# in college. Since they both get compiled into IL the speed is similar if not basically the same from what I understand, I've heard that VB.net is mostly used for legacy applications compared to todays work in C#. Is there anyone that can shed some light on this topic for me?

jujuger - September 21, 2016, 1:12 pm

VB is looked down upon since it is not a derivative of the "C" languages, thus, few people use it, and therefore, few jobs.

Zilog80 - September 21, 2016, 1:28 pm

(Sep 21, 2016 01:12 PM)jujuger Wrote: [\[CITE\]](#) VB is looked down upon since it is not a derivative of the "C" languages, thus, few people use it, and therefore, few jobs.

Thats why python is so popular, because python syntax is similar to "C" languages...Oh wait... ?

xvis - September 21, 2016, 1:43 pm

VB.NET can be used to make GUI's (pronounced gooey) to track IP addresses. This is often used in crime solving.

oduslabs - September 21, 2016, 1:55 pm

(Sep 21, 2016 01:10 PM)Mayuri Kurotsuchi Wrote: [\[CITE\]](#) I've heard that VB.net is mostly used for legacy applications

You're thinking of VB6, totally different to VB.NET. Here's a comparison though:
en.wikipedia.org/wiki/Comparison_of_C_Sharp_and_Visual_Basic_.NET

GuRuHaX - September 21, 2016, 1:57 pm

Well OP you just asked a question that will make some noise ?

?

Ninja - September 21, 2016, 3:14 pm

C# allows for unmanaged code I heard. Not sure what it means really.

The syntax is similar to other languages such as C, C++, Java, PHP even, etc.

jujuger - September 21, 2016, 3:36 pm

(Sep 21, 2016 03:14 PM)Ninja Wrote: [\[CITE\]](#) C# allows for unmanaged code I heard. Not sure what it means really.

The syntax is similar to other languages such as C, C++, Java, PHP even, etc.

You have 3 years experience and you don't know what managed code is?

Basically anything that needs .NET or some kind of interpreter is managed. While things like C++ and C are unmanaged.

<http://www.c-sharpcorner.com/uploadfile/puranindia/managed-code-and-unmanaged-code-in-net/>

Learn from here mate

GuRuHaX - September 21, 2016, 3:49 pm

(Sep 21, 2016 03:36 PM)jujugar Wrote: [\[CITE\]](#) You have 3 years experience and you don't know what managed code is?

Basically anything that needs .NET or some kind of interpreter is managed. While things like C++ and C are unmanaged.

<http://www.c-sharpcorner.com/uploadfile/puranindia/managed-code-and-unmanaged-code-in-net/>

Learn from here mate

You can debug unmanaged code in VS :

[https://msdn.microsoft.com/en-us/library/tdw0c6sf\(v=vs.100\).aspx](https://msdn.microsoft.com/en-us/library/tdw0c6sf(v=vs.100).aspx)

?

DisguiserNET - September 21, 2016, 4:32 pm

(Sep 21, 2016 01:43 PM)xvis Wrote: [\[CITE\]](#) VB.NET can be used to make GUI's (pronounced gooey) to track IP addresses. This is often used in crime solving. not sure if kidding or naah

(Sep 21, 2016 03:14 PM)Ninja Wrote: [\[CITE\]](#) C# allows for unmanaged code I heard. Not sure what it means really.

The syntax is similar to other languages such as C, C++, Java, PHP even, etc. c# allows unsafe code, which means you can use pointers.

and the language is similar to c, c++ and java. wouldn't compare it to php tho.

but in the end both are compiled down to msil, so it's more or less a question about the syntax and learning c# makes it easier to adapt others.

xvis - September 21, 2016, 5:02 pm

(Sep 21, 2016 04:32 PM)DisguiserNET Wrote: [\[CITE\]](#) not sure if kidding or naah

c# allows unsafe code, which means you can use pointers.

and the language is similar to c, c++ and java. wouldn't compare it to php tho.

but in the end both are compiled down to msil, so it's more or less a question about the syntax and learning c# makes it easier to adapt others.

Kidding, of course.

I'd like to add that the job market leans towards C#, not sure why but its probably to do with it being similar to other languages and it attracts more experienced developers (?).

If it is just for a hobby then it doesn't really matter. You might want to do some research on libraries though as there is a few that doesn't support VB like Xamarin, which is popular for developing mobile apps (I think just Android).

Ninja - September 21, 2016, 5:07 pm

(Sep 21, 2016 04:32 PM)DisguiserNET Wrote: [\[CITE\]](#) not sure if kidding or naah

c# allows unsafe code, which means you can use pointers.

and the language is similar to c, c++ and java. wouldn't compare it to php tho.

Ah unsafe that was it.

jujugar - September 21, 2016, 6:40 pm

(Sep 21, 2016 04:32 PM)DisguiserNET Wrote: [\[CITE\]](#) not sure if kidding or naah

c# allows unsafe code, which means you can use pointers.
and the language is similar to c, c++ and java. wouldn't compare it to php tho.

but in the end both are compiled down to msil, so it's more or less a question about the syntax and learning c# makes it easier to adapt others.

Yeah, but unsafe code allows for more than just pointers, if I remember correctly it also turns off the .NET memory checking and stuff. Allowing stuff like memory overflows. Low level memory management.

StayTech666 - September 21, 2016, 7:37 pm

Quote:There are almost no performance issues between Visual Basic .NET and Visual C# .NET. Visual C# .NET may have a few more "power" features such as handling unmanaged code, and Visual Basic .NET may be skewed a little toward ease of use by providing features such as late binding. However, the differences between Visual Basic .NET and Visual C# .NET are very small compared to what they were in earlier versions.

Source: <https://support.microsoft.com/en-us/kb/308470>

ASMR - September 21, 2016, 9:15 pm

From what i have understood Vb.net and c# dont have any differences (or just very mild ones) after compiling. but mostly because of the c style syntax and some specific C# features, most people find it to be better in terms of writing it. which also corresponds to the helpful resources. i bet if you google something and add c# to the end, you are going to get a lot more results than for vb.net.

Ov3rFl0w_ - September 21, 2016, 9:44 pm

just a difference of code syntax

0xBB - September 21, 2016, 10:53 pm

(Sep 21, 2016 04:32 PM)DisguiserNET Wrote: [\[CITE\]](#) not sure if kidding or naah

-snip

How the hell you didn't got this ref ?! You must live under a rock m8

[Video: <https://www.youtube.com/watch?v=hkDD03yeLnU>]

S?pre?e - September 22, 2016, 5:49 am

(Sep 21, 2016 10:53 PM)ibennz Wrote: [\[CITE\]](#) How the hell you didn't got this ref ?! You must live under a rock m8

Exactly haha, it is the best laugh ever in the world of programming!

unSatisfied - September 22, 2016, 8:06 am

(Sep 21, 2016 05:02 PM)xvis Wrote: [\[CITE\]](#) Kidding, of course.

I'd like to add that the job market leans towards C#, not sure why but its probably to do with it being similar to other languages and it attracts more experienced developers (?).

If it is just for a hobby then it doesn't really matter. You might want to do some research on libraries though as there is a few that doesn't support VB like Xamarin, which is popular for developing mobile apps (I think just Android).

Xamarin supports all 3 mobile platforms.

DisguiserNET - September 22, 2016, 8:49 am

let's make this short: use c#.

for me, I can't see a single reason to use vb.net

HFDone - September 22, 2016, 9:34 am

the only thing is unsafe code which in vb you will need to use marshal

(Sep 22, 2016 08:49 AM)DisguiserNET Wrote: [\[CITE\]](#) let's make this short: use c#.

for me, I can't see a single reason to use vb.net

really thats cuz you didnt use vb lets just say that with vb you can do things much simple and shorter

unSatisfied - September 22, 2016, 2:21 pm

(Sep 22, 2016 09:34 AM)HFDone Wrote: [\[CITE\]](#) really thats cuz you didnt use vb lets just say that with vb you can do things much simple and shorter

That's just simply not true at all.

6e756c6c - September 22, 2016, 4:58 pm

C# has a much bigger user base, most open source projects in .NET are C#, and it's unchecked code implementation is far superior (you'll only ever use this for performance sensitive code such as compression / encryption). Visual Basic on the other hand is far more forgiving in it's syntax and the keywords are much better thought out; it's also (as I understand) more common in ASP.NET application for websites.

th3s3cr3t0n3 - September 24, 2016, 5:29 am

They're essentially the same except by syntax, which is quite a big difference. Essentially the same as in the methods and external packages you can use interchangeably as you're really just working with the .NET framework. But syntactically it is differently written, and some standard keywords are different like:

VB.NET (example code):

Code ' This is a comment. Below is some example code.

Public Sub DoSomeShit(a As Integer, Optional p = -1) ' Public sub with two parameters of which one is optional.

Dim x = 1 + If(p > -1, 1, p) ' Type inferred. Using ternary (shorthand/inline if)

Dim y As Integer = 2 ' Type explicitly declared.

Math.Pow(x + y, 10) ' Use the Math .NET Framework library to exponentiate the first param by the second.

End Sub

Public Function SomeOtherShitFunction(a As Integer, Optional p = -1) As Integer ' Public function as above.

Dim x = 1 + If(p > -1, p, 1)

Dim y As Integer = 2

Return x + y

End Sub

C# (same as above):

Code // This is a comment.

public void DoSomeShit(int a, p = -1)

{

```

var x = 1 + (p > -1 ? p : 1);
int y = 2;
Math.Pow(x + 1, 10);
}

public int SomeOtherShitFunction(int a, p = -1)
{
    var x = 1 + (p > -1 ? p : 1);
    int y = 2;

    return x + y;
}

```

I prefer them to visualise the flow, it is easier to see the code for what it is with C#. Not to mention it is just shorter to write logic, not to mention little work arounds. The ternary operators are shorter (ie. (condition ? true : false)).

And this:

```
Code control.Visible = control2.Visible = control3.Visible = true;
```

The above is handy and pretty sure you can't do that in VB.

As well as that, it is a more strict language generally as with type inference etc. I was a VB.Net programmer, then now I prefer C# much more.

EDIT: Just see another post about the user base. Very true, MS is pushing C# in and semi-obsolete for VB.NET. Source code on GitHub and libraries are more likely to be in C#, though obviously you can use C# and VB.NET classes together quite fine.

tweety - September 24, 2016, 6:34 am

this thread needs to die

they are both the same shit 100%, c# is just more popular as devs from other c syntax language can pick up c# easier.

anyone that says other wise is retarded

th3s3cr3t0n3 - September 24, 2016, 7:47 am

(Sep 24, 2016 06:34 AM)Tweety. Wrote: [\[CITE\]](#) this thread needs to die

they are both the same shit 100%, c# is just more popular as devs from other c syntax language can pick up c# easier.

anyone that says other wise is retarded

They aren't 100% the same. And what you've commented isn't the whole story though really is it? Yeah it's more popular, but there are differences and different reasons to use the language. Because essentially you're saying there, pick either language, like if you know Delphi then do VB.Net, but I disagree. C# is a more SUPERIOR language now, not due to speed of processing or anything but because of other reasons like vendor support, documentation, inclusion and many other strong and important points.

EDIT: Just a rebuttal, no flame intended.

Washi - September 24, 2016, 10:04 am

Oh god not another of these C# vs VB threads. Why haven't we decided already that it's just a matter of preference :L.

Chickendipper - September 24, 2016, 11:47 am

VB.NET is C# for five year olds. That is all.

assault0017 - September 24, 2016, 12:00 pm

(Sep 24, 2016 11:47 AM)Chickendipper Wrote: [\[CITE\]](#) VB.NET is C# for five year olds. That is all. says the java ?

Chickendipper - September 24, 2016, 12:51 pm

(Sep 24, 2016 12:00 PM)assault0017 Wrote: [\[CITE\]](#) says the java ?

Java is great for portable server applications. It also enforces try/catch statements for error prone code.

A programming language is a key to open a door. Is Java overused? Yes. Does that make Java worthless and irrelevant and stupid? No.

assault0017 - September 24, 2016, 1:08 pm

(Sep 24, 2016 12:51 PM)Chickendipper Wrote: [\[CITE\]](#) Java is great for portable server applications. It also enforces try/catch statements for error prone code.

A programming language is a key to open a door. Is Java overused? Yes. Does that make Java worthless and irrelevant and stupid? No.

so VB can be forgiving (optional btw) and with easier syntax it makes it for 5yo? it's like me saying java is slow

Chickendipper - September 24, 2016, 1:14 pm

(Sep 24, 2016 01:08 PM)assault0017 Wrote: [\[CITE\]](#) so VB can be forgiving (optional btw) and with easier syntax it makes it for 5yo? it's like me saying java is slow

Java is slow(er) than native code. That is correct. As is saying VB.NET is for five year olds.

+Haze - September 24, 2016, 2:14 pm

VB.NET and C# are both for emotionally unstable autistic kids

assault0017 - September 24, 2016, 2:29 pm

(Sep 24, 2016 01:14 PM)Chickendipper Wrote: [\[CITE\]](#) Java is slow(er) than native code. That is correct. As is saying VB.NET is for five year olds.

I was not making fun of it, i use java alot. the point of my post was that these beliefes are old

Wakka - September 24, 2016, 2:35 pm

(Sep 21, 2016 01:43 PM)xvis Wrote: [\[CITE\]](#) VB.NET can be used to make GUI's (pronounced gooey) to track IP addresses. This is often used in crime solving.

As can c# and many other languages...

Here is why Java programmers can't see properly

Spoiler [\(Click to View\)](#)They can't see sharp

Chickendipper - September 24, 2016, 2:37 pm

(Sep 24, 2016 02:29 PM)assault0017 Wrote: [\[CITE\]](#) I was not making fun of it, i use java alot. the point of my post was that these beliefes are old

No. Java is slower than native code. It always will be.

assault0017 - September 24, 2016, 3:00 pm

(Sep 24, 2016 02:37 PM)Chickendipper Wrote: [\[CITE\]](#) No. Java is slower than native code. It always will be.

any high level language will be slower than native .. i am trying to say that java had a reputation for being very slow like vb had one for being messyand outdated but it has formed more like c# now in what it can do. do you see what i am trying to say?

FiftyTwo - September 24, 2016, 3:03 pm

(Sep 21, 2016 01:43 PM)xvis Wrote: [\[CITE\]](#) VB.NET can be used to make GUI's (pronounced gooey) to track IP addresses. This is often used in crime solving.

Lolwut?

GUI is an acronym standing for Graphical User Interface.

It's not meant to be pronounced as a word.