

Forum:[Hack Forums](#)

Thread: [Multi Update Checker Library](#)

Nikey646 - January 25, 2015, 6:38 am

Nope. I don't got a better name than "MultiUpdateChecker" or "MUCLib".

The Multi Implies that it can handle the update in multiple ways (but only one per instance, it's a lie!)

How Does it Work:

Quite simply, it downloads the URL you provide in the constructor as a string, and run's a MEF Plugin (via a MEF Plugin :P, I really should of handled the First MEF plugin's logic internally, rather then outsourced to a plugin xD) to see if the Version provided is older than the downloaded version.

This Library is Type in-sensitive, and will fail over to String if no plugin for checking the type of Class provided. The Update Type must be a Class, and nullable. Provided Class Checker's are String and Version (String being used for a Fallback when no existing Class Checker). The Update Checker will trigger an event, if there is a newer version, which can be subscribed to via a EventHandler in the Constructor, or normally via AddHandler/Event +=

Why is this C# Library posted in the VB.Net Section:

Because it's a Open Source Library, and i'll be providing a Compiled Version to download, for use in VB.Net Applications.

Why .Net 4.5:

Because Async/Await.

Is the best way to check for Updates:

Probs not, #BadCoding

Why did I Make this:

Because i was sick of seeing poor implementations which claim to do a lot of shit, and does most of it poorly (EG: "Multi-threaded" = Application.DoEvents....WAIIIII)

Example Implementations:

Images because i know everyone just loves images, and because the Source will be provided in a Public BitBucket Repo. Also, check both Examples for two different ways of handling the main class of the Library.

VB.Net ([Click to View](#)) Please ignore the fact that there is a weird background on the right <_< >_>

Notes: Here you see that the MUC is only recieving the bare minimum two arguments required to run, CurrentVersion and LatestVersion. The other two arguments (ActiveClass, and UpdateLambda (Yes, these names suck, sue me~)) are not used.

It is also using the System.Version class to check for Updates.

C# ([Click to View](#))

Notes: The Class is only initialized using the constructor and completely ignored otherwise, and is using a String. It also tells MUC to check it's own Assembly (GetType()) for additional TypeCheckers (Not that any were provided), and also provides a Lambda Expression for the UpdateAvailable Event.

Coming Soon?:

Potentially updating the Library with a `Task.Run(() => {});`, to make sure that the update check is performed off of the UI Thread, in case the provided Class has a lot of data, that will be de-serialized in the MEF Plugin.

Better implementation of `UpdateAvailableEventArgs<Type T>...` Doubt it though.

Downloads:

Compiled Binary: [Download](#) (Debug Build, Deal with it <3) - [VirusTotal](#)

Source: [Bitbucket Repo](#) (Includes both the C# and VB.Net Examples.

P.S:

Any suggestions on improving this library are welcome, and will be considered (besides making this an Updater, rather than an Update Checker), and please don't chew me out for naming my variables like "Version Version;" :D

SIM-1847363 - January 25, 2015, 6:50 am

Nice, right now i have no use for it but i'm sure someone will use your lib. I really like the "New Version(1,0,0,0)" concept.

At the moment i'm more curious if this photo shopped or just a theme.... am i just seeing things or his there a girl on the side.

Spoiler ([Click to View](#))

Nikey646 - January 25, 2015, 6:51 am

(Jan 25, 2015 07:50 AM)Nettro Wrote: ([CITE](#)) Nice, right now i have no use for it but i'm sure someone will use your lib.

At the moment i'm more curious if this photo shopped or just a theme....

Spoiler ([Click to View](#))

Its an extension that allows you to add a background image to the code editor...

Only3 - January 25, 2015, 8:06 am

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Is the best way to check for Updates:

Probs not, #BadCoding ?

nuk - January 25, 2015, 6:28 pm

(Jan 25, 2015 07:51 AM)Nikey646 Wrote: ([CITE](#)) Its an extension that allows you to add a background image to the code editor...

Interesting... as I've never known you could do that LoL - :)

I wrote my own but this will def. help out some people... thanks for the share homie :)

LethalNET - January 25, 2015, 7:05 pm

Checked out the source for the library on your BitBucket and It's put together fairly well [Although a few unused methods] and it seems pretty cool.

Nice contribution dude! I'm sure this will help some people implement a update checker/auto update.