

Monday, March 24, 2014

Be careful using ThreadStatic in Visual Studio unit tests

Given is a ThreadStatic field which is set to empty in the static constructor, and set by a public instance method:

```
public class TestClass
{
    [ThreadStatic]
    private static string threadStaticValue;
    static TestClass()
    {
        threadStaticValue = "";
    }
    public void SetThreadStaticValue(string value)
    {
        threadStaticValue = value;
    }
    public string GetThreadStaticValue()
    {
        return threadStaticValue;
    }
}
```

Now two unit tests check whether the threadStaticValue is set correct.

```
[TestClass]
public class ThreadStaticTest
{
    [TestMethod]
    public void WithThreadStaticValueSetTest()
    {
        Debug.WriteLine("Thread id: {0}", System.Threading.Thread.CurrentThread.ManagedThreadId);
        TestClass tc = new TestClass();
        tc.SetThreadStaticValue("foo");
        Assert.AreSame(tc.GetThreadStaticValue(), "foo");
    }
    [TestMethod]
    public void WithThreadStaticValueNotSetTest()
    {
        Debug.WriteLine("Thread id: {0}", System.Threading.Thread.CurrentThread.ManagedThreadId);
        TestClass tc = new TestClass();
        Assert.AreSame(tc.GetThreadStaticValue(), "");
    }
}
```

Those tests will fail(good) or pass(bad) depending of whether the test engine will reuse the same thread.

Executed a second time, the result could be different.

Solution:

Don't use ThreadStatic at all

Make sure the ThreadStatic fields are initialized correctly before using them

Posted by suntsu in .net at 11:28

Norton.com/setup ? Talking about antivirus program, Norton is the best option available in the market. Norton Antivirus is an effective anti-malware scanning engine that is reliable.

Blog Export: , <https://suntsu.ch/>

Anonymous on Aug 14 2020, 06:42

The latest Office edition available is Office 2019. One can access the complete details about the product via office.com/setup.

Anonymous on Aug 14 2020, 06:43

Create an account and generate activation code by Hulu.com/activate after this you can use your device and watch your series, movies, shows etc.

Anonymous on Aug 14 2020, 06:43

You can download any of the TrendMicro version from the www.trendmicro.com/downloadme URL. Either your device is new, or you bought it previously, each device requires threat and virus protection from any of the antivirus.

Anonymous on Aug 15 2020, 06:02

Malwarebytes is anti-malware software also a good replacement for antivirus in Mac computer. It protects Mac computer from all kind of bad infection which is coming from the Internet like (Viruses, Spyware, Malware, Adware, Ransomware, etc.)

Anonymous on Aug 15 2020, 06:21

Download and install McAfee antivirus using simple steps given in this article. You need a McAfee account and a 25 digit McAfee activation code to complete the process. To activate McAfee antivirus software for your computer & pc, enter McAfee activation code on McAfee activate. After activation, you can download, install, reinstall McAfee product.

Anonymous on Aug 15 2020, 06:51

Thanks for writing such a good article, I stumbled onto your blog and read a few posts. I like your style of writing.

Anonymous on Aug 15 2020, 10:15

Great... It is very useful information. Thanks for giving us this meaningful and helpful information.

Anonymous on Aug 15 2020, 10:22

I have read your posts and the article has good and very useful content. Thank you for sharing.

Anonymous on Aug 15 2020, 10:23

Thank you for sharing your info. I really appreciate your efforts and Thanks a lot for sharing a piece of wonderful information which I am looking for a longer period of time.

Anonymous on Aug 15 2020, 10:24

Great information and I appreciate the detailed explanations as well!

Anonymous on Aug 15 2020, 10:28

Great, thanks for the information. It was really in search of this type of knowledge. Helpful to me at least!

Anonymous on Aug 15 2020, 10:31

Really helpful information! Thanks for sharing!

Anonymous on Aug 15 2020, 10:34

Thanks for sharing this informative blog. This blog is very useful for everyone. keep it on.

Anonymous on Aug 15 2020, 10:35

Appreciate you sharing this piece of code as it seems to be very helpful. Thank you.

Anonymous on Aug 15 2020, 23:06

Thank you for this post. I found this very interesting!

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Anonymous on Aug 17 2020, 02:52

Very Informative! Thank you!

Anonymous on Aug 17 2020, 03:43

Roku. Inc provides the best in quality streaming experience, which will make your moments more enjoyable.

Anonymous on Aug 18 2020, 13:24

Thank you for sharing this post. If you need emergency tree removal in Loveland, Colorado then contact us now.

Anonymous on Aug 19 2020, 10:27

Greatly shared on this site, thanks for this post.

Anonymous on Aug 19 2020, 11:40

Glad to comment on this great article.

Anonymous on Aug 19 2020, 11:41

Before Starting with Malwarebytes Anti-malware user?s need to check and identify Malwarebytes Anti-malware key code,

Anonymous on Aug 21 2020, 06:09

You can download and install Trend micro on your Windows, MAC or smartphone.

Anonymous on Aug 21 2020, 06:10

At one point the Webroot safe console will ask for key code put your webroot key code

Anonymous on Aug 21 2020, 06:11

In the digital world where we live today, computers, smartphones, tablets, and other devices have become requirements.

Anonymous on Aug 21 2020, 06:11

If McAfee antivirus is already installed either free or expired one then you can directly activate McAfee,

Anonymous on Aug 21 2020, 06:12

Complete the Roku activation process after entering the activation code in Roku.com/link page. Call us to get help in activating the Roku.

Anonymous on Aug 24 2020, 13:26

Hulu.com/activate - Watch your favorite live sports, news, entertainment, and more. Plus, get unlimited access to the entire Hulu streaming library. To activate Hulu code go to url if you need help to activate Hulu then contact Hulu provides the simplest way to stream entertainment to your T.V. On your terms. With thousands of available channels. We provide information regarding Hulu Activation Code.hulu.com/activate.

Anonymous on Aug 25 2020, 06:35

Norton.com/setup is an Antivirus software that provides user security and guards their essential information and necessary details from the Hackers so that they can stay protected from the thefts.

Anonymous on Aug 25 2020, 06:50

ThreadStatic is tricky but totally worth the complexity. I am so thankful for this post.

Anonymous on Aug 25 2020, 11:50

Roku is a small class tool that lets you view free and paying video content over the Internet on your TV.

www.roku.com/link

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Anonymous on Aug 27 2020, 06:53

The Roku Device No.1 is a streaming device that is very popular in the United States all over the world. Roku provides users with the best entertainment they have ever wanted. You can turn your computer on very quickly in easy steps.

Anonymous on Aug 27 2020, 06:54

Roku is an official link that helps user to activate their roku device or TV. In order to activate roku tv or device, user should have roku activation code.

Anonymous on Aug 27 2020, 06:54

Roku activation code is an alpha numeric code which helps users to enable their roku device or tv. If the activation phase has been completed, computer would require them to display their fav stuff online at one place.

Anonymous on Aug 27 2020, 06:55

If you are a new user with Roku and want to setup your Roku Device, then you can follow the guidelines which is listed with user guide which you received with your purchase. If you are not able to find the user guide then search for step by step Roku device setup or Installation guide.

Anonymous on Aug 27 2020, 06:55

Nice to share nice information

Anonymous on Sep 1 2020, 15:47

It's truly a great and useful piece of info. I'm happy that you just shared this useful information with us. Please keep us up to date like this. Thanks for sharing.

Anonymous on Sep 2 2020, 11:23

Ich danke Ihnen für die Information! Ich war auf der Suche nach und konnte nicht finden. Du hast mir geholfen!

Anonymous on Sep 3 2020, 13:01

This is a great article. The main idea behind ThreadStatic is to maintain a separate copy of the variable for each thread.

Anonymous on Sep 3 2020, 14:25

After purchasing a Roku device you must search for roku.com/link on the search engine. then click on the link below. and get started with Roku account creation. and find Roku activation code, link and activate Roku devices and channels on Roku from roku.com/link using the available link, you need to click on the appropriate link to activate the Roku streaming.

Anonymous on Sep 5 2020, 20:07

Roku activation code is used at www.roku.com/link or roku.com/link to activate roku device. Get roku support for any activation help.

Anonymous on Sep 5 2020, 20:07

Roku devices or tv work great if you set up it correctly. Many people do it wrong and face many issues, so I am here providing a useful Roku activation guide. <https://rokuomlink.com> is the absolute and best way to do it easily, follow my guide and set it up correctly.

Anonymous on Sep 8 2020, 15:00

Thank you sharing your insight about ThreadStatic in Visual Studio unit tests. We will not use ThreadStatic now for sure!

Anonymous on Sep 10 2020, 08:57

ThreadStatic is a complex but effective technique. Let's just be keener when using this one.

Anonymous on Sep 11 2020, 00:09

QuickBooks Online is a perfect cloud solution. that can be used on any computer (Mac and PC), tablets and any mobile device on a available browser.

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Anonymous on Sep 11 2020, 10:03

Enterprise version is allows maximum thirty users to work at once. And this version includes features from all versions of QuickBooks Desktop. This is the most advanced version of QuickBooks Desktop.

Anonymous on Sep 11 2020, 10:04

Roku is the main video real-time bundle that lets us experience the new universe of amusement. It gives the client to utilize numerous different applications which makes it stand apart in an unexpected way.

Anonymous on Sep 15 2020, 10:08

HP printers are known around the world for their quality, lively printing and user-friendliness. Whenever a new printer is purchased it is important that the software required in them HP software. You need to go to the website and search for the specific software that fits your HP printer model and create it.

Anonymous on Sep 17 2020, 04:57

Took me time to read all the comments, but I really enjoyed the article. It proved to be Very helpful to me and I am sure to all the commenters here! It's always nice when you can not only be informed, but also entertained!

Anonymous on Sep 17 2020, 08:33

Google started using site speed as a ranking signal in their algorithm way back in 2010, and it continues to serve as one of the many factors that determine where your website shows up in the search results. We help you WordPress Speed Optimization are Page Caching, PHP latest version, Image optimization and resizing, jquery update, Cache Preloading, Sitemap Preloading, GZIP Compression, Browser Caching, Database Optimization, Google Fonts Optimization, Lazyload, Minifying JS CSS HTML files, Deferring Unused JS/CSS, CDN setup, Mobile Detection, Stop unused CSS and JS file and many more optimization your WordPress website. So, your website super-fast loading within 1-5 seconds.

Anonymous on Sep 18 2020, 04:37