# Selenium 4 How To
Ignore Certificate Error Website

Video Link https://www.youtube.com/watch?v=WTw1V2Y10ck&list=PLfp-cJ6BH8u_4AMzeLVizVfqn4SCywSTJ&index=18

In this session, our focus will involve loading an untrusted website. Depending on your browser, there will be a different message but it all comes down a security issue. It's recommended we do not visit the site. However, there may be a scenario for us to test this type of application.

On Firefox, the message says "Warning: Potential Security Risk Ahead". It's letting us know that an attacker could try to steal our information.
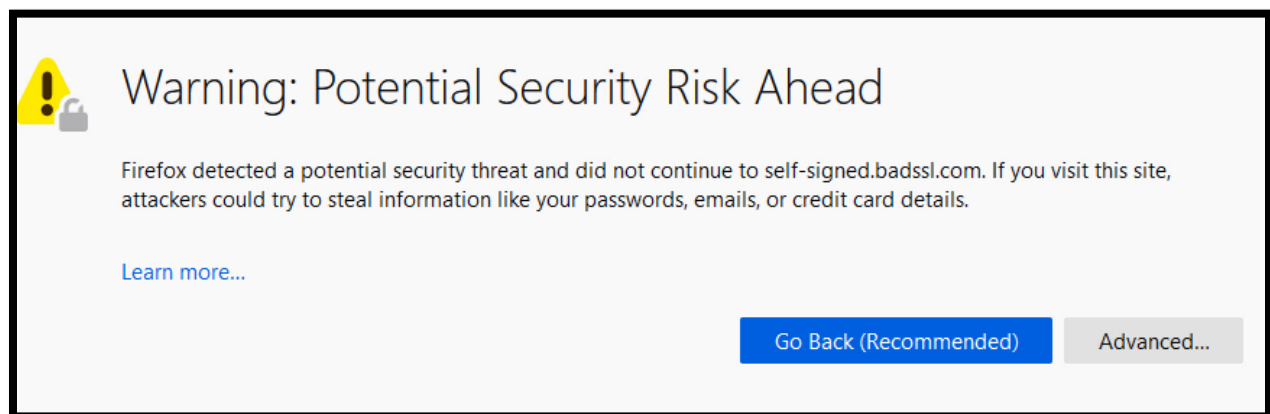
Chrome has a similar message about attacker might be trying to steal your information. With a heading that says "Your connection is not private". Edge has the same message as Chrome.

Your connection is not private

Attackers might be trying to steal your information from **self-signed.badssl.com** (for example, passwords, messages, or credit cards). Learn more

NET::ERR_CERT_AUTHORITY_INVALID

☐ Help improve security on the web for everyone by sending URLs of some pages you visit, limited system information, and some page content to Google. Privacy policy

Advanced   Back to safety

Your connection isn't private

Attackers might be trying to steal your information from **self-signed.badssl.com** (for example, passwords, messages, or credit cards).

NET::ERR_CERT_AUTHORITY_INVALID

Advanced   Go back

Our automation Test Script will ignore these security warnings and load the page. If I click the Advanced button, we see a link that says "Proceed to the self-signed.badssl.com (unsafe)". Click this link and the self-signed.badssl.com site load without a problem.

GitHub has more example sites just like this one. We see 5 sites that have subdomains that generate the same type of warning
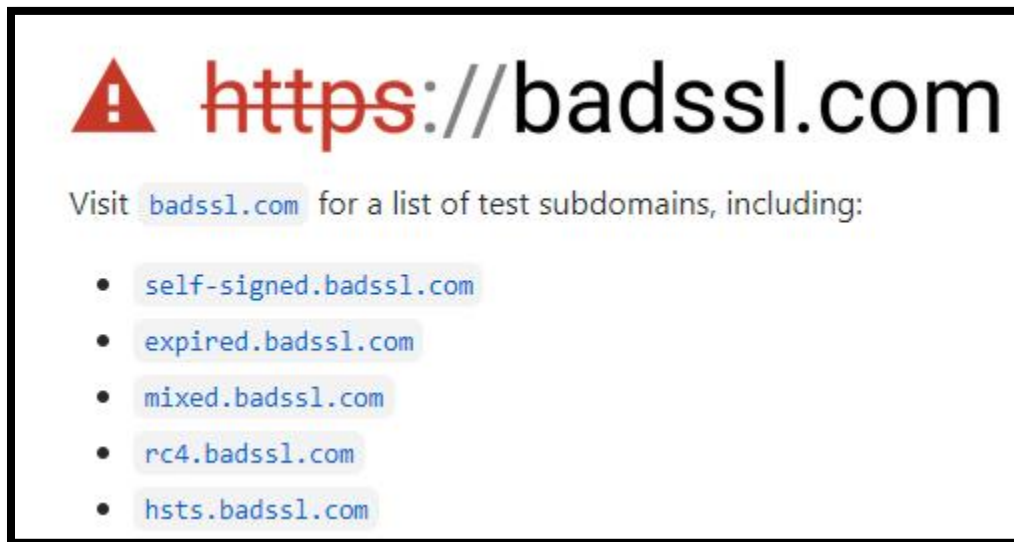
For our Test, its already been set up for ChromeDriver and DevTools. The last statement assigns getDevTools to devTools.

```java
public class UntrustedWebsite {

    ChromeDriver driver;
    DevTools devTools;

    @BeforeMethod
    public void setUp () {
        WebDriverManager.chromedriver().setup();
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        devTools = driver.getDevTools();
    }
}
```

Let's start by creating a method with @Test public void loadBadWebsite () { } Next, we create a session with devTools.createSession(). Now, we are going to send a command to ignore the certificate error.

devTools.send(Security.) Security provides access for us to setIgnoreCertificateErrors(). This statement is similar to clicking the Advanced button and the unsafe hyperlink. We pass in a boolean value of (true). True is another way of saying we trust the website. So, it will successfully load the page. That's it, last part is to load the AUT. driver.get("https://self-signed.badssl.com/");

```java
@Test
public void loadBadWebsite () {
    devTools.createSession();
    devTools.send(Security.setIgnoreCertificateErrors(true));
    driver.get("https://self-signed.badssl.com");
}
```

The key is ignoring the Certificate Error by passing in true. A negative Test Case is to pass in false which will not load the untrusted website. Now, I'm going to paste the code for what we just used to ignore and change true to false. Change the name from loadBadWebsite to doNotLoadBadWebsite.

```java
@Test
public void doNotLoadBadWebsite () {
    devTools.createSession();
    devTools.send(Security.setIgnoreCertificateErrors(false));
    driver.get("https://self-signed.badssl.com");
}
```

Let's Run. They both Passed. One browser shows self-signed.badssl.com and the other browser shows Your connection is not private. That's it.

Thanks for watching and I'll see you in the next session. If you are interested in more videos, feel free to subscribe to my YouTube channel and click the bell icon. Also, follow me on Twitter, connect with me on LinkedIn, and Facebook. The transcript and code will get placed on GitHub.

Contact

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