

Author: David Hernandez

Description: How to install WebGoat on Windows

# Installing WebGoat

## Requirements:

- Java JDK 7
- Tomcat 6
- WebGoat

## 1) Downloading and Installing

### Java Download

- Go to [JavaDownloads](#)
- I used Java SE Development Kit 7u79 64 bit for this demo
- Install Java (basically just click next to everything)

### Tomcat 6.0.44 Download

- Go to [Downloads](#)

#### Binary Distributions

- Core:
  - [zip](#) (pgp, md5)
  - [tar.gz](#) (pgp, md5)
  - [32-bit Windows zip](#) (pgp, md5)
  - [64-bit Windows zip](#) (pgp, md5)
  - [64-bit Itanium Windows zip](#) (pgp, md5)
  - [32-bit/64-bit Windows Service Installer](#) (pgp, md5)
- Deployer:
  - [zip](#) (pgp, md5)
  - [tar.gz](#) (pgp, md5)

### WebGoat Download

- Go to WebGoat [Downloads](#)

← → ↻ <https://code.google.com/p/webgoat/downloads/list>


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 **webgoat**  
WebGoat is a deliberately insecure J2EE web application designed to test web application security.

[Project Home](#) [Downloads](#) [Wiki](#) [Issues](#) [Export to GitHub](#)

**READ ONLY: This project has been archived. For more information see [this post](#).**

Search  for

Filename ▼	Summary + Labels ▼
 <a href="#">WebGoat-5.4-OWASP_Standard_Win32.zip</a>	WebGoat 5.4 for Windows - download, unzip,
 <a href="#">WebGoat-5.4.war</a>	WebGoat 5.4 war file <span>Featured</span>
 <a href="#">README-5.4.txt</a>	WebGoat 5.4 ReadMe file <span>Featured</span>
 <a href="#">Solving the WebGoat Labs Draft V2.pdf</a>	Solving the WebGoat Labs

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## 2) Extract Files

- Extract the Apache and WebGoat zip files

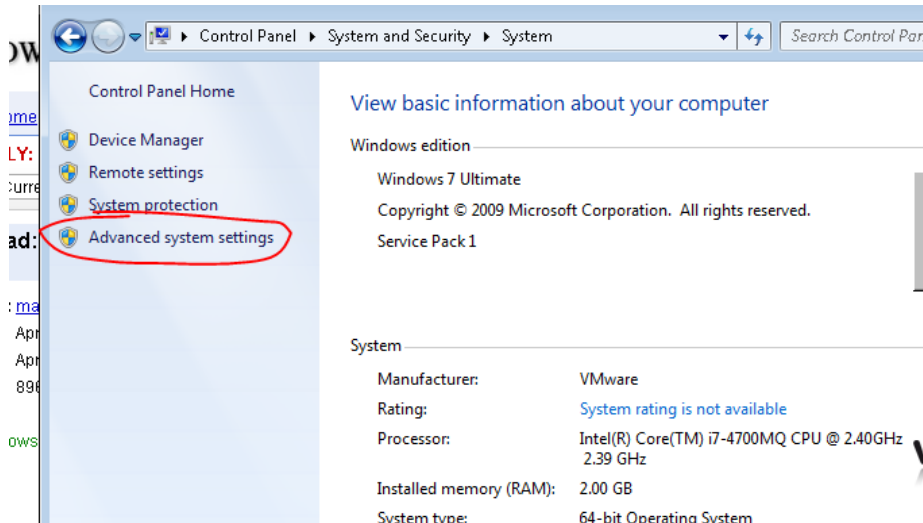
Name	Date modified	Type	Size
apache-tomcat-6.0.44-windows-x64	11/10/2015 8:44 PM	Compressed (zipped) Folder	8,034 KB
jdk-7u79-windows-x64	11/10/2015 8:56 PM	Application	143,420 KB
WebGoat-5.4-OWASP_Standard_Win32	11/11/2015 11:05 ...	Compressed (zipped) Folder	78,263 KB

- 
- Delete the zip files as they are not needed anymore

apache-tomcat-6.0.44-windows-x64	11/11/2015 11:07 ...	File folder	
WebGoat-5.4-OWASP_Standard_Win32	11/11/2015 11:07 ...	File folder	
<del>apache-tomcat-6.0.44-windows-x64</del>	<del>11/10/2015 8:44 PM</del>	<del>Compressed (zipped) Folder</del>	<del>8,034 KB</del>
jdk-7u79-windows-x64	11/10/2015 8:56 PM	Application	143,420 KB
<del>WebGoat-5.4-OWASP_Standard_Win32</del>	<del>11/11/2015 11:05 ...</del>	<del>Compressed (zipped) Folder</del>	<del>78,263 KB</del>

## 3) Setting the Environment Variables for Java and TomCat

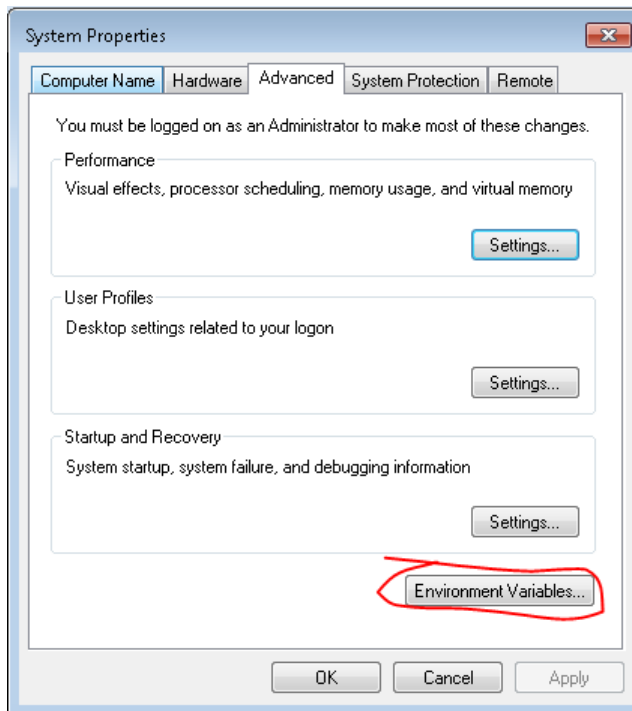
- Go to System properties, this can be done by right clicking computer or as shown in the picture below.



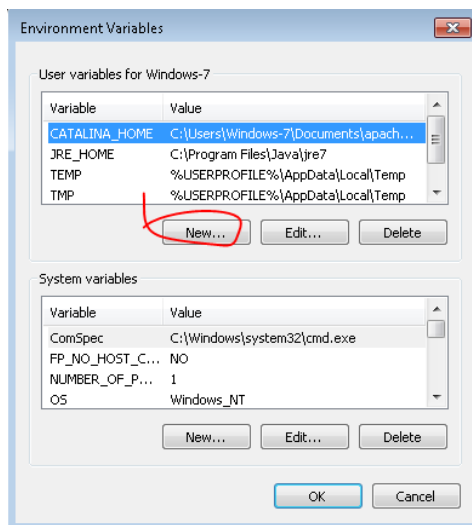
- 
- Then go to Environment Variables

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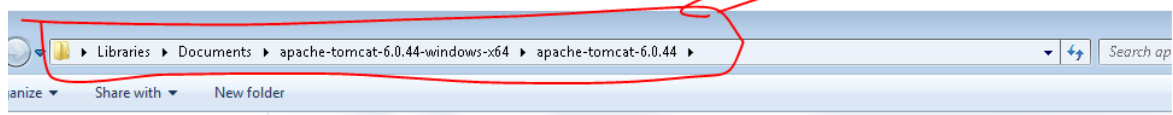
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- Then click on new to create the new environment variables

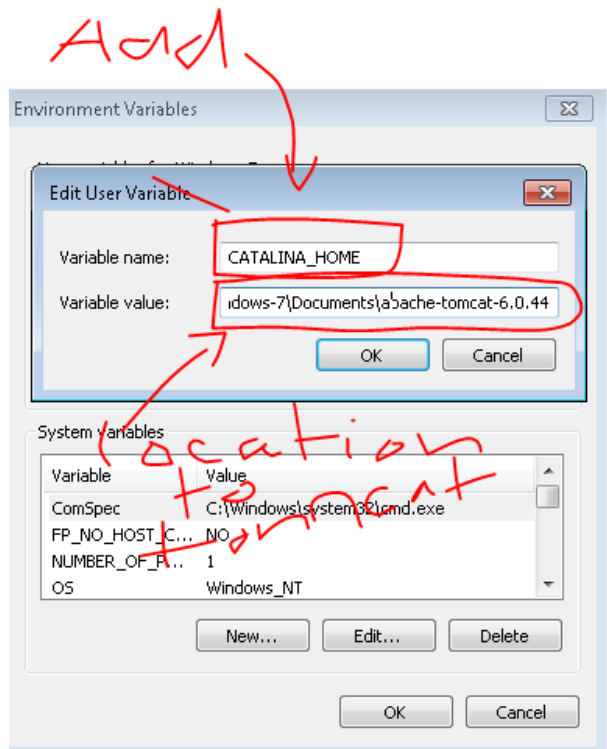


- For Tomcat we need to create an environment variable name: CATALINA\_HOME
- The variable value is the root directory for the location of your TomCat folder in my case I used: C:\Users\Windows-7\Documents\apache-tomcat-6.0.44-windows-x64\apache-tomcat-6.0.44 **Note: this may be different for you.**



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- 
- Then just click OK
- Now click new to create the Variables for Java
- The Variable name is: JRE\_HOME
- The Variable Value is (for me is): C:\Program Files\Java\jre7
- To verify that both the variables work, open a command prompt and type: "echo %CATALINA\_HOME%" and "echo %JRE\_HOME%"

```
C:\Users\Windows-7>echo %CATALINA_HOME%
C:\Users\Windows-7\Documents\apache-tomcat-6.0.44-windows-x64\apache-tomcat-6.0.44

C:\Users\Windows-7>echo %JRE_HOME%
C:\Program Files\Java\jre7
```

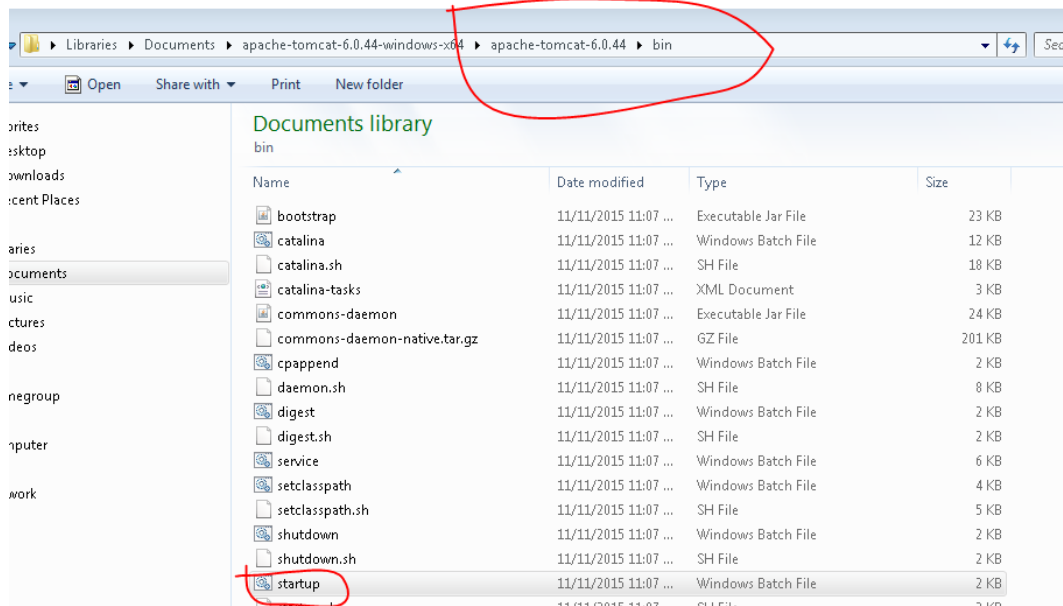
- The directories of the variables should appear if done correctly

## 4) Running TomCat and WebGoat

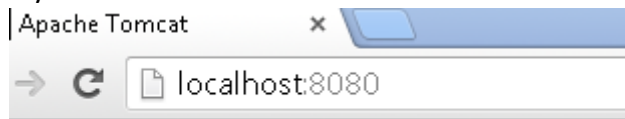
- Go to the tomcat Directory and open the bin folder then double click Startup.bat
- A command line should open and throw out a lot of words, just ignore it but do not close it! It is what keeps TomCat running

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- Then open your preferred browser and go to localhost:8080 if the that does not work try localhost



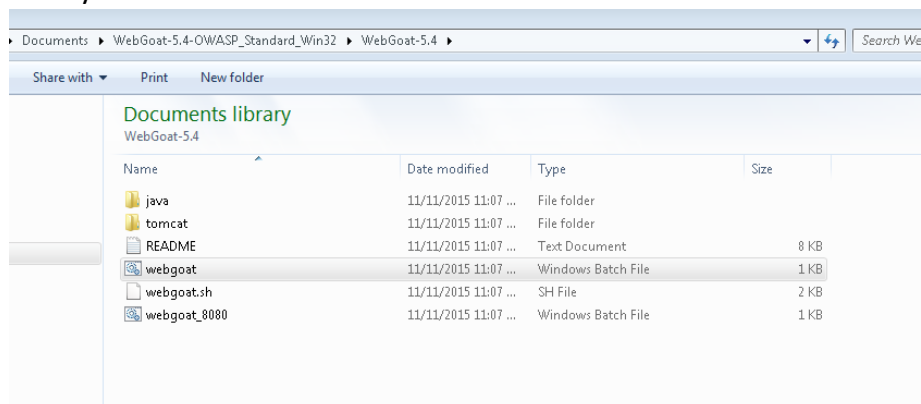
- If done right you should see this



If you're seeing this page via a web browser, it means you've setup Tomcat successfully. Congratulations!

Default Tomcat home page. It can be found on the local filesystem at:

- Now close the command prompt that is running TomCat
- Finally we can start WebGoat

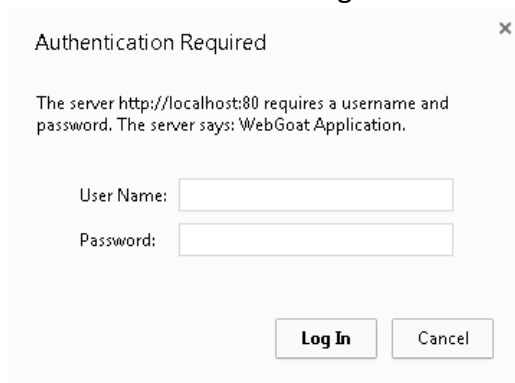


- You can open webgoat.bat or webgoat\_8080.bat just note that the url will be different
- If you used webgoat.bat go to <http://localhost/WebGoat/attack>
- If you used webgoat\_8080.bat go to <http://localhost:8080/WebGoat/attack>

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- You Should see something like this



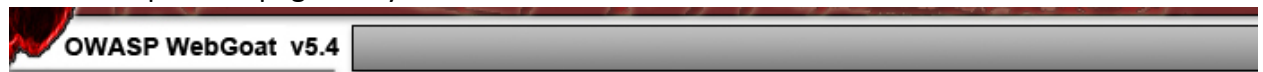
Authentication Required

The server http://localhost:80 requires a username and password. The server says: WebGoat Application.

User Name:

Password:

- 
- User: guest
- Passwd: guest
- It should open this page and you are all done! Go ahead and start WebGoat



Thank you for using WebGoat! This program is a demonstration of common web application flaws. The exercises are intended to provide hands on experience with application penetration testing techniques.

The WebGoat project is led by Bruce Mayhew. Please send all comments to Bruce at [WebGoat@owasp.org](mailto:WebGoat@owasp.org).



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#### Special Thanks for V5.4

Brian Ciomei (Multitude of bug fixes)  
To all who have sent comments

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#### WARNING

While running this program, your machine is extremely vulnerable to attack if you are not running on localhost. If you are NOT running on localhost (default configuration), You should disconnect from the network while using this program.

This program is for educational purposes only. Use of these techniques without permission could lead to job termination, financial liability, and/or criminal penalties.