Preparation – Ensure Java is Present

- Test to see if Java is installed on your system by first opening a command prompt. To do this press the Windows (Start) menu and type "cmd" this should locate the "Command Prompt" program which you can click on to run.
- 2. In the Command Prompt window, type "java --version" and press enter.
- 3. If a version number is returned, java is already present on your system and you can skip to "ZAP Installation". A successful message looks something like the following although your Java brand or version may be different:

```
C:\Users\_____;java --version
openjdk 21.0.1 2023-10-17 LTS
OpenJDK Runtime Environment Temurin-21.0.1+12 (build 21.0.1+12-LTS)
OpenJDK 64-Bit Server VM Temurin-21.0.1+12 (build 21.0.1+12-LTS, mixed mode, sharing)
```

4. If the message below is displayed, Java is not present on your system and must be installed.

```
C:\Users\____;>java --version
'java' is not recognized as an internal or external command,
operable program or batch file.
```

5. Navigate to:

https://learn.microsoft.com/en-us/java/openjdk/download#openjdk-21

6. Click on the "Download link" for the Windows x64 msi version of the installer.

OpenJDK 21.0.3 LTS | See previous releases

				C Expand table
Platform	Architecture	Туре	Download link	Other files
x64				
Linux	x64	tar.gz	microsoft-jdk-21.0.3-linux-x64.tar.gz ₪	sha256 🗗 / sig 🖻
macOS	x64	pkg	microsoft-jdk-21.0.3-macos-x64.pkg 🖉	sha256 🖉
macOS	x64	tar.gz	microsoft-jdk-21.0.3-macos-x64.tar.gz ⊠	sha256 ☞ / sig ☞
Windows	x64	msi	microsoft-jdk-21.0.3-windows-x64.msi ₽	sha256 ₫
Windows	x64	zip	microsoft-jdk-21.0.3-windows-x64.zip ₽	sha256 ☞ / sig ☞
AArch64				
Linux	AArch64 / ARM64	tar.gz	microsoft-jdk-21.0.3-linux-aarch64.tar.gz 🖉	sha256 & / sig &

7. Click "Open file" when the download completes.



- 8. When the installer opens, click Next.
- The default installation options should be fine. If you'd like to install Java into a different location, you can choose that location now. Otherwise, click "Next".

Microsoft JDK with Hotspot 21.0.3+9 (x64) Setu	p — □ ×				
Custom Setup Select the way you want features to be installed.					
Click the icons in the tree below to change the way features will be installed.					
JDK with Hotspot Add to PATH Associate .jar X V Set JAVA_HOME variable JavaSoft (Oracle) registr	Microsoft Development Kit with Hotspot This feature requires 327MB on your hard drive. It has 2 of 4 subfeatures selected. The subfeatures require 3KB on your				
Location: C:\Program Files\Microsoft\jdk-	hard drive. 21.0.3.9-hotspot\ Browse				

10.The install options are displayed again. Click "Install", then click "Yes" when prompted if you want to allow the installer to make changes to your device.11.Click "Finish" to complete the installation of Java.

ZAP Installation

- 1. Go to https://www.zaproxy.org/download/
- 2. Click on "Download" next to "Windows (64) Installer".

← → C	25 zaproxy.org/download/		
	ZAP 2.15.0		
	Windows (64) Installer	228 MB	Download
	Windows (32) Installer	228 MB	Download
	Linux Installer	224 MB	Download
	Linux Package	221 MB	Download
	macOS (Intel - amd64) Installer	250 MB	Download
	macOS (Apple Silicon - aarch64) Installer	248 MB	Download
	Cross Platform Package	261 MB	Download
	Core Cross Platform Package	98 MB	Download

3. Double click on the downloaded file (ZAP_2_15_0_windows.exe) in either the "Downloads" menu of the browser or from the "Downloads" directory on your PC (or wherever you chose to save the file).



4. Click "Yes" to allow the installer to run with elevated permissions.



5. When the Setup Wizard starts, click "Next" to continue.

Setup - Zed Attack Proxy 2	.15.0 — 🗆 🗙
	Welcome to the Zed Attack Proxy Setup Wizard
	This will install Zed Attack Proxy on your computer. The wizard will lead you step by step through the installation.
	Click Next to continue, or Cancel to exit Setup.
	Next > Cancel

6. Accept the terms of the license (Apache v2) and click "Next".

🔇 Setup - Zed Attack Proxy 2.15.0		_		\times
License Agreement Please read the following important inform	nation before co	ntinuing.		
Please read the following License Agreemen agreement before continuing with the instal	t. You must acc lation.	ept the terms of	f this	
Apache License Version 2.0, January 2004 http://www.apache.org/licer	nses/			
TERMS AND CONDITIONS FOR USE, REP	RODUCTION, AN	ID DISTRIBUTIO	N	
1. Definitions.				
 I accept the agreement I do not accept the agreement 				
install4j	< Back	Next >	Can	cel

- 7. Select "Standard installation". This will use the following default settings. If you'd like to modify any of these select "Custom installation". Click "Next."
 - Installation Directory: C:\Program Files\ZAP\Zed Attack Proxy
 - Create a Start Menu Folder named ZAP\Zed Attack Proxy
 - Create shortcuts for all users
 - Create a desktop icon
 - Do not create a Quick Launch icon

- Check for Updates on startup

🔇 Setup - Zed Attack Proxy 2.15.0	_		\times
Select Installation Type		-	
Which type of installation should be performed?		_	
Select the type of installation that you want to perform. Click Next to continue.	when y	ou are re	ady
Standard installation			
Custom installation			
install4j			
< Back Ne	xt >	Car	ncel

8. At the "Ready to Install" screen summarizing the settings, click "Install" (or "Next" if you modified options).

🔇 Setup - Zed Attack Proxy 2.15.0	_		×
Ready to Install Setup is now ready to being installing Zed Attack Proxy on your			
computer.		-	
Click Install to continue with the installation, or click Back if you w change any settings.	ant to re	view or	
Destination location: C:\Program Files\ZAP\Zed Attack Proxy			
Start Menu folder: ZAP\Zed Attack Proxy			
Additional tasks: Additional icons: Create a desktop icon			
Check for Updates: Check for updates on startup: Yes			
install4j	xt >	Car	ncel

9. Wait while files are copied into the selected location.

10. Click Finish.

Wizard
Setup has finished installing Zed Attack Proxy on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup.

ZAP First Run and Initial Configuration

1. Start ZAP through the Start Menu or Desktop icon.



2. Allow access through the Windows Defender Firewall.

🔗 Windows Secu	urity Alert		\times		
Windo app	ws Defend	er Firewall has blocked some features of this			
Windows Defender	Firewall has blo	cked some features of OpenJDK Platform binary on all public			
A.	Name:	ppenJDK Platform binary			
	Publisher:	Oracle Corporation			
	Path:	C:\jdk-22.0.1\bin\javaw.exe			
Allow OpenJDK Platform binary to communicate on these networks:					
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)					
What are the risks of allowing an app through a firewall?					
		Allow access Cancel			

3. Select "No" when asked if you want to persist the ZAP Session since these activities are just for practice. If you'd like to save the log of all request and

responses made, you may certainly do that. Then click "Start".



4. If prompted for updates, click "Update All" and wait while the downloads proceed. Expect to wait around 3 minutes for this step depending on your download speed.

Manage Add-ons					
Installed Marketplace					
ZAP Core					
ZAP is up-te	o-date (2.15.0)				
Add-ons					
Filter:					
	Name $ achicentering$	Version	Description	Update	Ę
(i) Active s	canner rules	66.0.0	The release status Active Scanner rules		
Ajax Spi	der	23.19.0	Allows you to spider sites that make heavy use of JavaScript		
Alert Fil	ters	21.0.0	Allows you to automate the changing of alert risk levels.		
Authent	ication Helper	0.13.0	Helps identify and set up authentication handling		
Automa	tion Framework	0.40.0	Automation Framework.	Update	
Call Hor	ne	0.12.0	Handles all of the calls to ZAP services.		
Commo	n Library	1.25.0	A common library, for use by other add-ons.	Update	
Databas	e	0.4.0	Provides database engines and related infrastructure.		
Diff		15.0.0	Displays a dialog showing the differences between 2 request		
Director	y List v1.0	8.0.0	List of directory names to be used with Forced Browse or Fu		
DOM XS	S Active scanner rule	19.0.0	DOM XSS Active scanner rule		
Encoder		1.5.0	Adds encode/decode/hash dialog and support for scripted p		
Forced E	Browse	16.0.0	Forced browsing of files and directories using code from the		
Fuzzer		13.13.0	Advanced fuzzer for manual testing		
Getting	Started with ZAP Guide	17.0.0	A short Getting Started with ZAP Guide		
GraalVM	JavaScript	0.7.0	Provides the GraalVM JavaScript engine for ZAP scripting.		
GraphQl	Support	0.24.0	Inspect and attack GraphQL endpoints.		
Help – E	nglish	18.0.0	English version of the ZAP help file.		
HUD – F	leads Up Display	0.19.0	Display information from ZAP in browser.		
Import/	Export	0.9.0	Import and Export functionality		
Invoke A	Applications	15.0.0	Invoke external applications passing context related inform		
		Sele	ect an add-on above to see more details.		
			Uninstall Selected Update Selected Update	e All	Close

- 5. When all recommended components have updated, click "Close."
- 6. Test the pre-configured browser by clicking the "Firefox" or "Chrome" icon on the right side of the toolbar. Most of the time ZAP will be able to locate

the installed browser.

Standard Mode 🗸 🗋 🖨 🔚 📾 🗃 🌼 🚅 🗷 📼	▣ ■ ■ □ = ■ ■ ▲ Ø ♀ ● ▷ ▷ Ø X ₪ ‱ 0 Ⅰ ♥ ♥ Ⅰ		
File Edit View Analyse Report Tools Import Export (Online Help	1	
🔰 Untitled Session - ZAP 2.15.0		_	\Box \times

7. If a browser launches, proceed to the next step. If an error like "The provided browser was not found." is shown, try an alternate browser by clicking on "Manual Explore", then selecting either Chrome or Firefox from the pulldown menu and click "Launch Browser".





- 8. Enter www.example.com in the URL bar of the Chrome window that starts.
- 9. Bring ZAP to the foreground. You should see many requests on the "History" tab in the bottom section of ZAP. If so, you have successfully

installed and configured ZAP.

W Untitled Session - ZAP 2.15.0	- D X							
File Edit View Analyse Report Tools Import Export Online Help								
Standard Mode 🗸 🗋 🚔 📰 🖻 👘 🕄 🚅 🗳 🔤 🖻 🔲 🗖 💼 💷 📄 着 🍰 🖓 🗣 🕪 🕨 🖉 🕺 🗶 💷 🔍 😔								
 Contexts Contexts<								
News ZAP 2.15.0 is a	available now Learn More X							
🛗 History 🔍 Search 🏴 Alerts 📄 Output 🕂	 History Q Search Pu Alerts Pu Alerts We are the search of the s							
ID Source Req. Timestamp Method URL Co	ode Reason RTT Size Resp. Body Highest Alert Note Tags							
1 ↔ Proxy 7/10/24, 10.41:21 AM POST https://accounts.google.com/ListAccounts?gpsia=1 3 ↔ Proxy 7/10/24, 10.41:27 AM GET https://www.example.com/	200 OK 261 ms 17 bytes JSON 200 OK 47 ms 1,256 bytes № Medium							
Alerts 🏴 0 🏴 2 🏳 3 🏴 2 Main Proxy: localhost.8080	Current Scans 🌞 0 🐺 0 👁 0 훩 0 🕥 0 🎤 0 勝 0 勝 0							