

Preparation – Ensure Java is Present

1. 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.
```

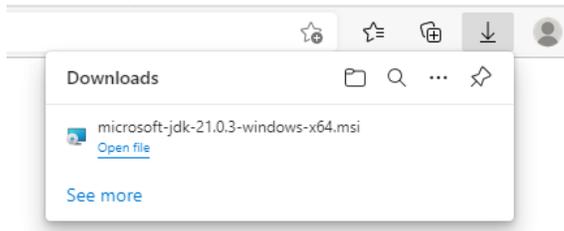
5. Navigate to:
<https://learn.microsoft.com/en-us/java/openjdk/download#openjdk-21>
6. Click on the “Download link” for the Windows x64 msi version of the installer.

OpenJDK 21.0.3 LTS | [See previous releases](#)

 Expand table

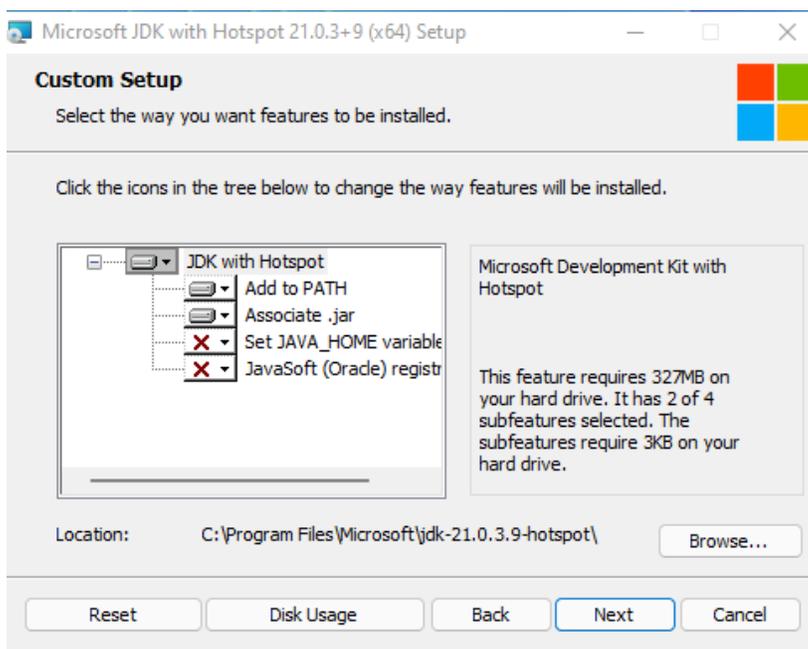
Platform	Architecture	Type	Download link	Other files
x64				
Linux	x64	tar.gz	microsoft-jdk-21.0.3-linux-x64.tar.gz	sha256 / sig
macOS	x64	pkg	microsoft-jdk-21.0.3-macos-x64.pkg	sha256
macOS	x64	tar.gz	microsoft-jdk-21.0.3-macos-x64.tar.gz	sha256 / sig
Windows	x64	msi	microsoft-jdk-21.0.3-windows-x64.msi	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.

9. 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”.

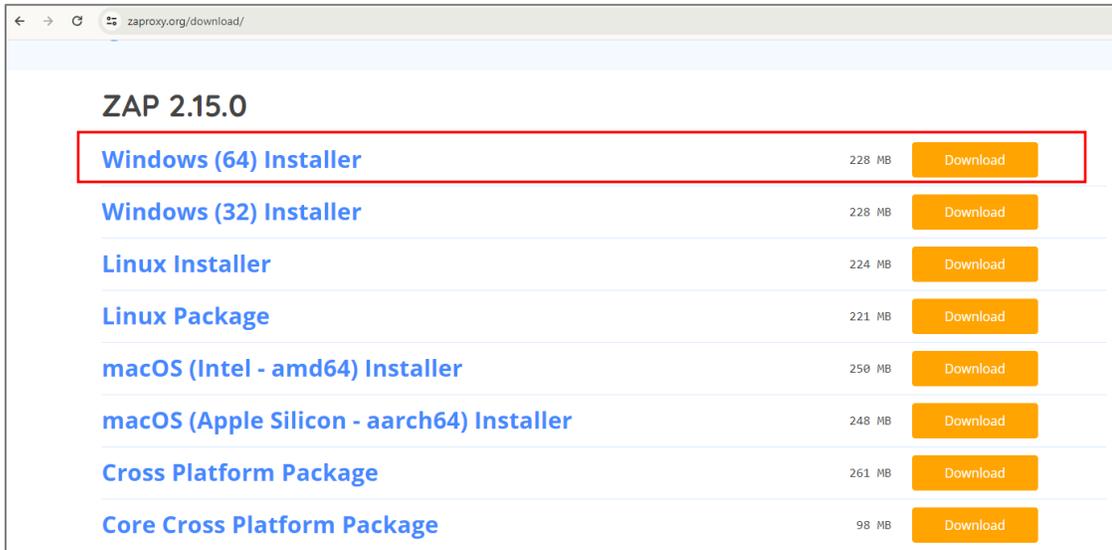


10. The install options are displayed again. Click “Install”, then click “Yes” when prompted if you want to allow the installer to make changes to your device.

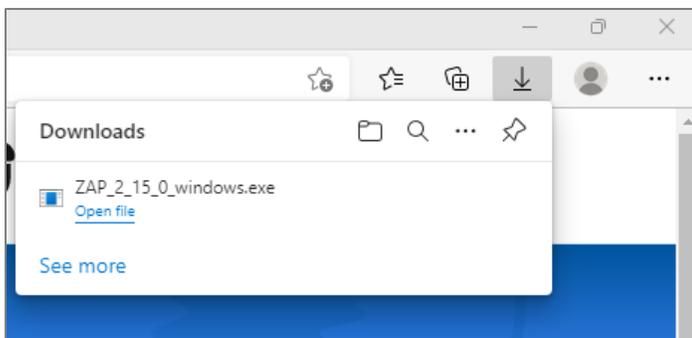
11. Click “Finish” to complete the installation of Java.

ZAP Installation

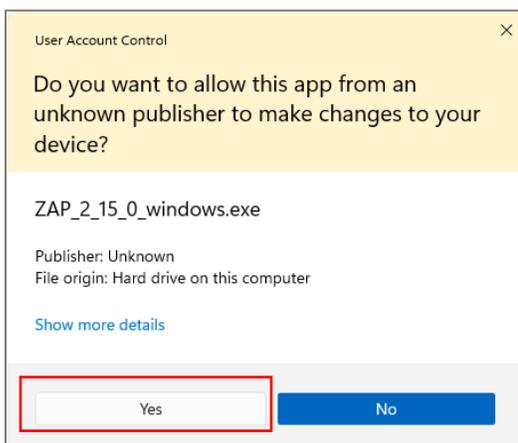
1. Go to <https://www.zaproxy.org/download/>
2. Click on “Download” next to “Windows (64) Installer”.



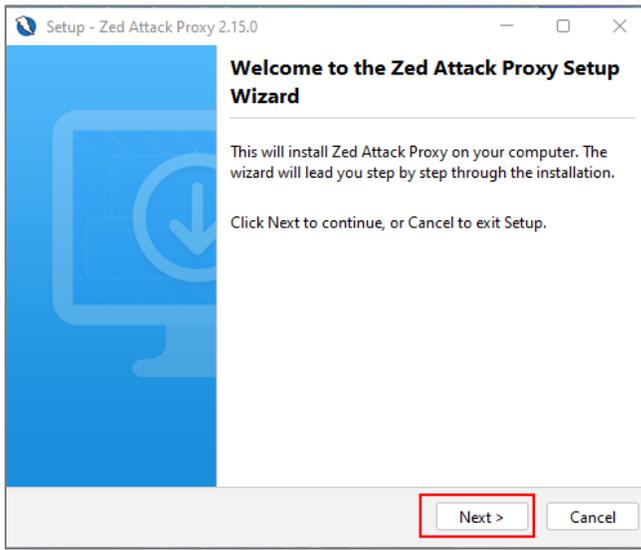
3. Double click on the downloaded file (ZAP_2_15_0_windows.exe) in either the “Downloads” menu of the browser or from the “Downloads” directory on your PC (or wherever you chose to save the file).



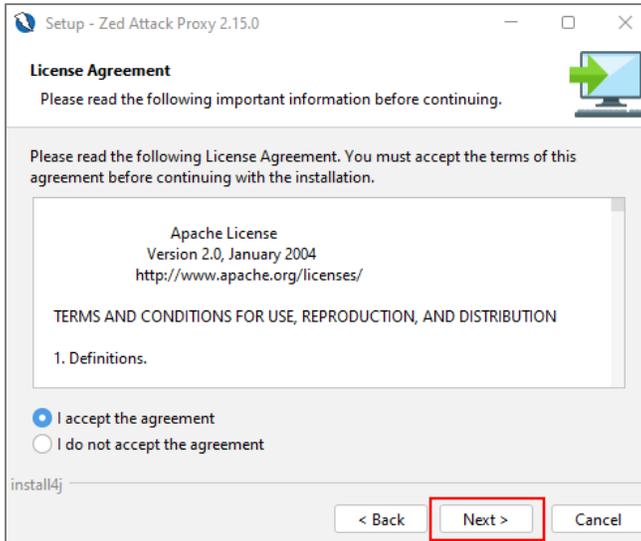
4. Click “Yes” to allow the installer to run with elevated permissions.



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



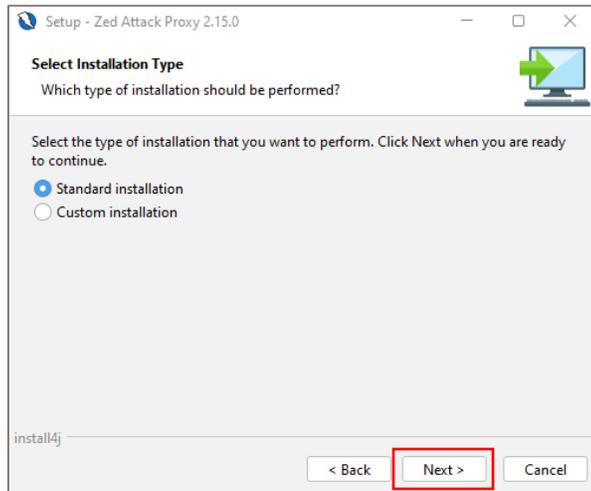
6. Accept the terms of the license (Apache v2) and click “Next”.



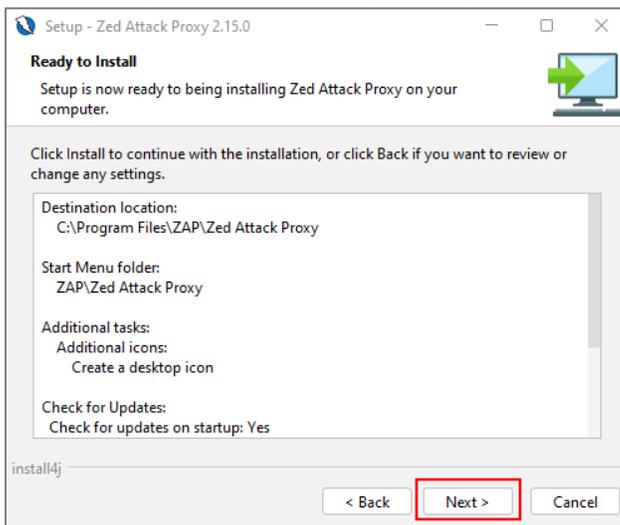
7. Select “Standard installation”. This will use the following default settings. If you’d like to modify any of these select “Custom installation”. Click “Next.”

- 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

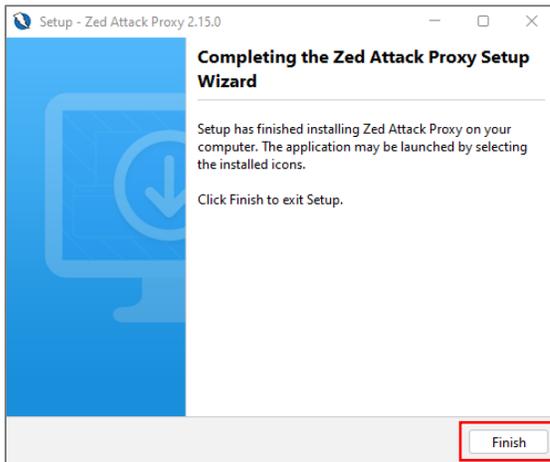


8. At the "Ready to Install" screen summarizing the settings, click "Install" (or "Next" if you modified options).



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

10. Click Finish.

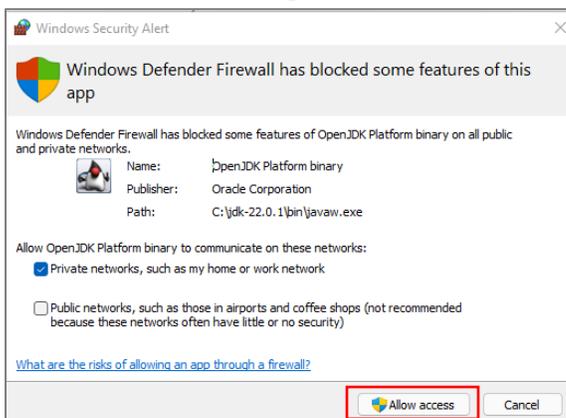


ZAP First Run and Initial Configuration

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

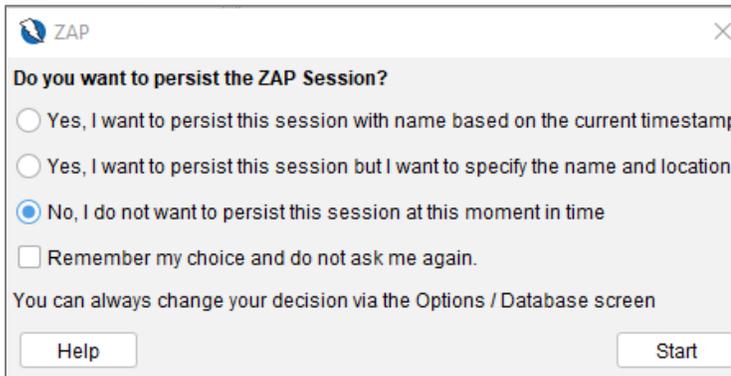


2. Allow access through the Windows Defender Firewall.

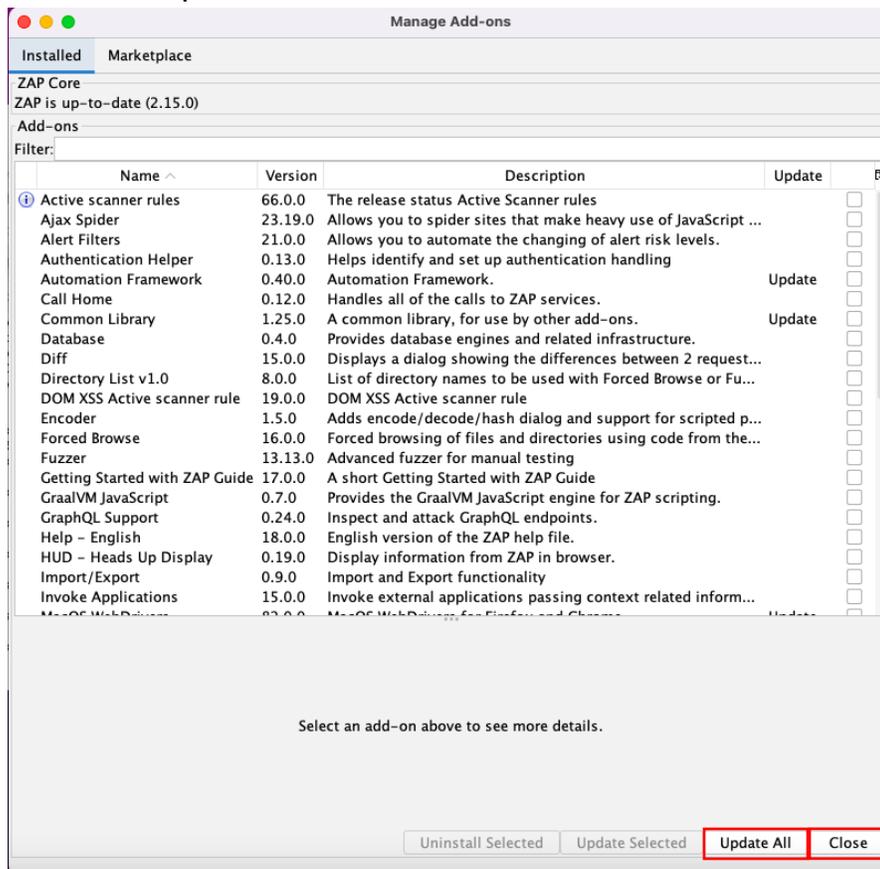


3. Select “No” when asked if you want to persist the ZAP Session since these activities are just for practice. If you’d like to save the log of all request and

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.

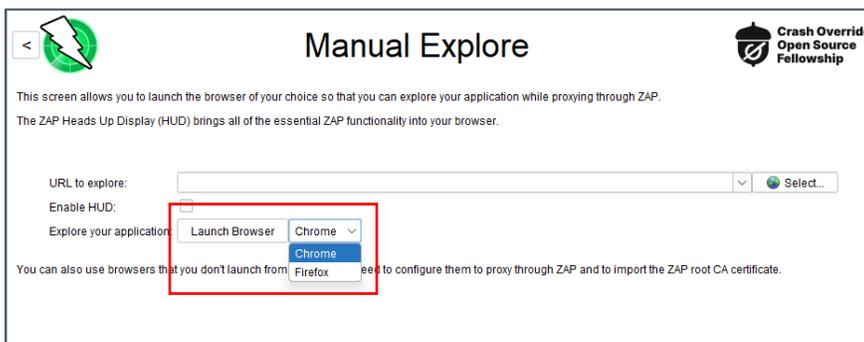
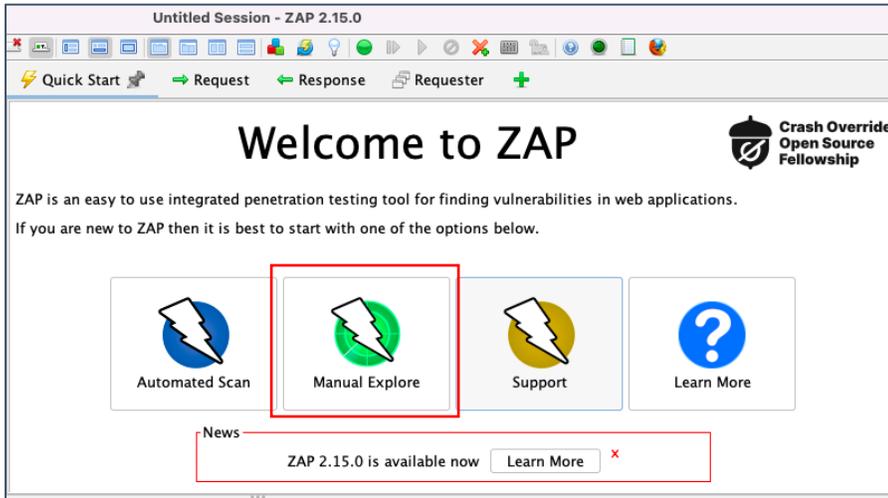


5. When all recommended components have updated, click “Close.”
6. Test the pre-configured browser by clicking the “Firefox” or “Chrome” icon on the right side of the toolbar. Most of the time ZAP will be able to locate

the installed browser.



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.

The screenshot shows the ZAP 2.15.0 interface. The main window displays a "Welcome to ZAP" message, indicating it is an easy-to-use integrated penetration testing tool. Below the welcome message are four icons representing different scanning options: Automated Scan, Manual Scan, Quick Scan, and Learn More. A notification banner at the bottom of the main window states "ZAP 2.15.0 is available now" with a "Learn More" link.

The bottom section of the interface, highlighted with a red border, shows the "History" tab. It contains a table of requests and responses. The table has columns for ID, Source, Req. Timestamp, Method, URL, Code, Reason, RTT, Size Resp. Body, Highest Alert, Note, and Tags. Two requests are visible:

ID	Source	Req. Timestamp	Method	URL	Code	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	200	OK	261 ms	17 bytes			JSON
3	Proxy	7/10/24, 10:41:27 AM	GET	https://www.example.com/	200	OK	47 ms	1,256 bytes	Medium		

At the bottom of the interface, there are status indicators for Alerts (0), Current Scans (0), and Main Proxy (localhost:8080).