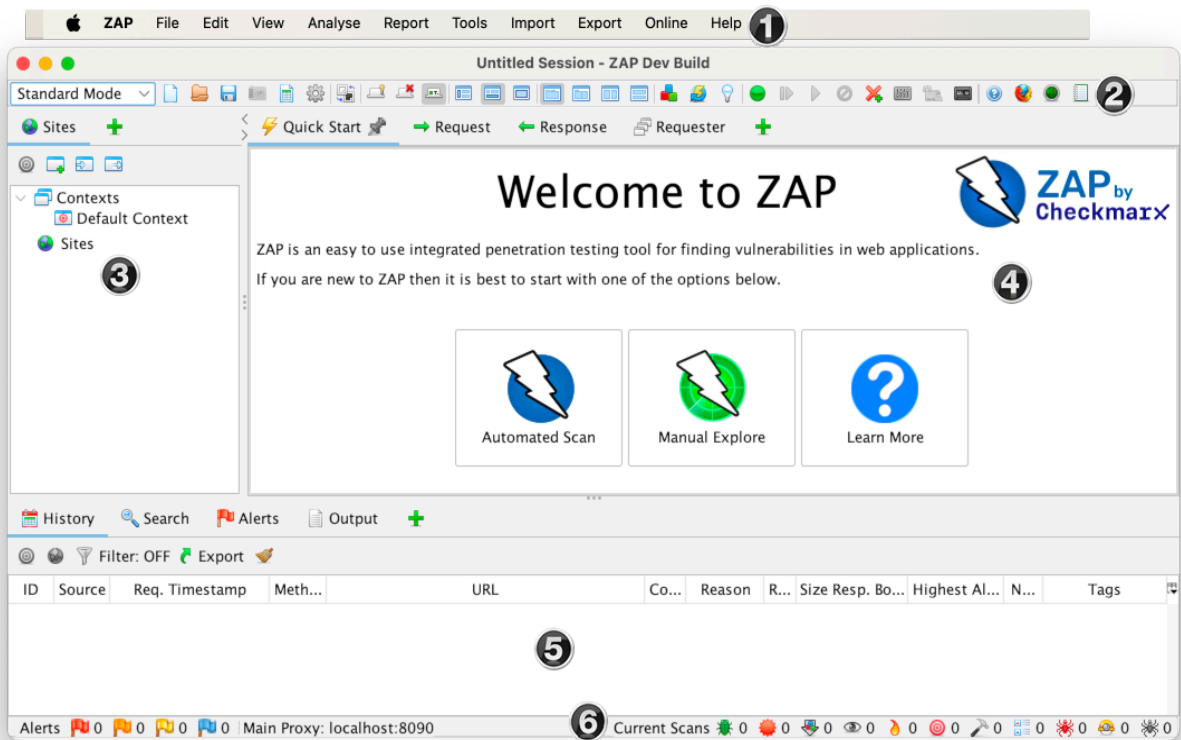


ZAP

The ZAP Desktop UI is composed of the following elements:

1. **Menu Bar** – Provides access to many of the automated and manual tools.
2. **Toolbar** – Includes buttons which provide easy access to most commonly used features.
3. **Tree Window** – Displays the Sites tree and the Scripts tree.
4. **Workspace Window** – Displays requests, responses, and scripts and allows you to edit them.
5. **Information Window** – Displays details of the automated and manual tools.
6. **Footer** – Displays a summary of the alerts found and the status of the main automated tools.

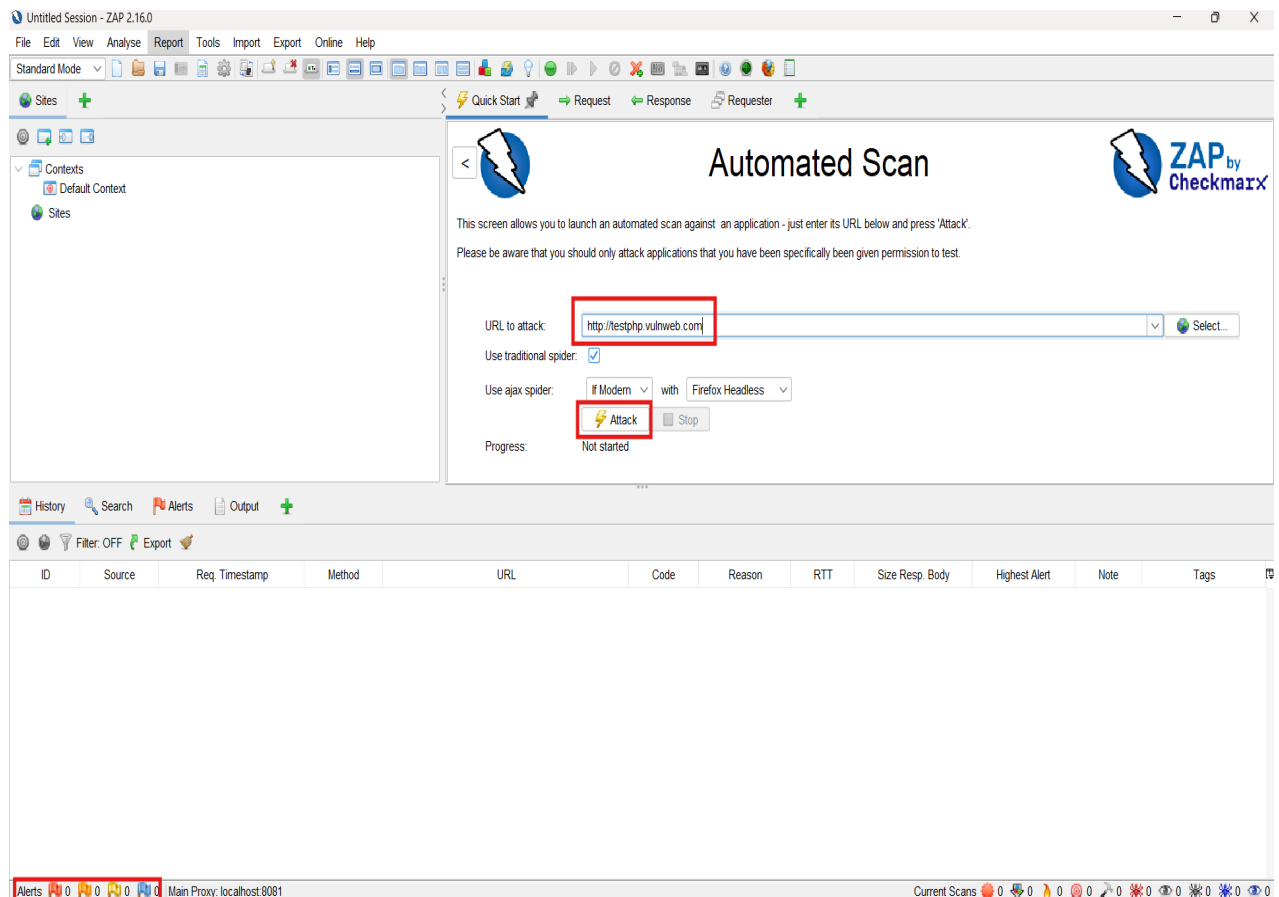


Running an Automated Scan

The easiest way to start using ZAP is via the Quick Start tab. Quick Start is a ZAP add-on that is included automatically when you installed ZAP.

To run a Quick Start Automated Scan :

1. Start ZAP and click the Quick Start tab of the Workspace Window.
2. Click the large Automated Scan button.
3. In the URL to attack text box, enter the full URL of the web application
<http://testphp.vulnweb.com>
4. Click the Attack



ZAP will proceed to crawl the web application with its spider and passively scan each page it finds. Then ZAP will use the active scanner to attack all of the discovered pages, functionality, and parameters.

ZAP provides 2 spiders for crawling web applications, we can use either or both of them from this screen.

The traditional ZAP spider which discovers links by examining the HTML in responses from the web application. This spider is fast, but it is not always effective when exploring an AJAX web application that generates links using JavaScript.

For AJAX applications, ZAP's AJAX spider is likely to be more effective. This spider explores the web application by invoking browsers which then follow the links that have been generated. The AJAX spider is slower than the traditional spider and requires additional configuration for use in a "headless" environment.

ZAP will passively scan all of the requests and responses proxied through it. So far ZAP has only carried out passive scans of web application. Passive scanning does not change responses in any way and is considered safe. Scanning is also performed in a background thread to not slow down exploration. Passive scanning is good at finding some vulnerabilities and as a way to get a feel for the basic security state of a web application and locate where more investigation may be warranted.

Active scanning, however, attempts to find other vulnerabilities by using known attacks against the selected targets. Active scanning is a real attack on those targets and can put the targets at risk, so do not use active scanning against targets you do not have permission to test.

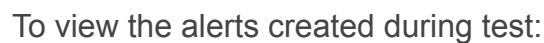
See Explored Pages

To examine a tree view of the explored pages, click the Sites tab in the Tree Window.

The screenshot shows the ZAP 2.16.0 interface. The 'Sites' tab in the Tree Window is selected, displaying a tree view of explored pages for 'http://testphp.vulnweb.com'. The tree includes folders for 'AJAX', 'Flash', 'Mod_Rewrite_Shop', 'images', and various GET and POST requests. The 'Automated Scan' dialog is open, showing the URL to attack as 'http://testphp.vulnweb.com'. The 'Use traditional spider' checkbox is checked, and the 'Use ajax spider' dropdown is set to 'If Modern' with 'Firefox Headless' selected. The 'Attack' button is highlighted. The bottom status bar shows 'Current Scans: 1', 'Num Requests: 68', and 'New Alerts: 0'. A table of sent messages is visible at the bottom.

ID	Req. Timestamp	Resp. Timestamp	Method	URL	Code	Reason	RTT	Size Resp. Header	Size Resp. Body
269	05/02/25, 10:30:38 am	05/02/25, 10:30:38 am	GET	http://testphp.vulnweb.com/showimage.php?file=%3A%2F	200	OK	294 ms	207 bytes	241 bytes
270	05/02/25, 10:30:38 am	05/02/25, 10:30:38 am	GET	http://testphp.vulnweb.com/showimage.php?file=%3A%2F	200	OK	625 ms	207 bytes	241 bytes
271	05/02/25, 10:30:39 am	05/02/25, 10:30:39 am	POST	http://testphp.vulnweb.com/search.php?test=WEB-INF%5	200	OK	736 ms	222 bytes	4,772 bytes

The left-hand side of the Footer contains a count of the Alerts found during test, broken out into risk categories. These risk categories are:



1. Click the **Alerts tab** in the Information Window.
2. Click each alert displayed in that window to display the URL and the vulnerability detected in the right side of the Information Window.
3. In the Workspace Windows, click the Response tab to see the contents of the header and body of the response. The part of the response that generated the alert will be highlighted.

