DD\_Downloader is a web application that lets you manage and automate scans on different penetration testing scanner tools from a single website.

The implementations for two tools, Nessus and Burp Suite Professional, have been pre-packaged into the application.

To begin, you can create a scanner by accessing <base url>/scanner and clicking “Create new scanner”. This page allows you to create an instance of a scanner tool. Here, you can input instance-specific information such as the scanner tool's API url and API keys.

A picture containing graphical user interface

Description automatically generated

After the scanner has been created, you should be able to see it in the scanner list page (<base url>/scanner). This page shows all the scanners currently in the web application.

Graphical user interface, text, application, email

Description automatically generated

Now that you have created a scanner instance, you can create a scan under it by going to the scanner's detail page and clicking "Create scan". (You can access a scanner's detail page by clicking its blue name in the table on the scanner list page)

A screenshot of a computer

Description automatically generated with medium confidence

On the create scan page, you can input scan-specific information such as a list of the addresses that you want to scan. You can also choose the stages of the scan that you want to automatically carry out. (auto create/start/retrieve)

A picture containing graphical user interface

Description automatically generated

The way that scan automation works in dd\_downloader is by moving the scan through a set of stages, as shown below. By default, dd\_downloader always polls a scan’s progress while it is in the IN\_PROGRESS stage.

Diagram

Description automatically generated

You can choose whether to allow dd\_downloader to automatically issue commands to CREATE, START, and/or RETRIEVE to a scan. This allows for actions like allowing a scan to automatically run to completion without downloading its results when it is finished (can be done by setting auto create and auto start on, and auto retrieve off)

If the developer of the scanner tool’s scanner module has implemented pausing/resuming/stopping functionality, you may pause/stop a scan at the IN\_PROGRESS stage. Resuming a scan can be done when it is at the PAUSED stage.

To issue a command to multiple scans simultaneously, you may select scans in the scan list page/scanner detail page by holding Ctrl or Shift and clicking on scans in the table. You can then select a command button to issue that command to the selected scans.

Note that only the scans eligible for that command will have the command run on them. If the command cannot be run on any scans, a message will appear displaying all the scans that were unsuccessful.

Graphical user interface, text, application, email

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