**Overivew**

Wapack Labs’ “PizzaCat Everything Parser” (PizzaCat)is a tool that allows cyber security analysts to quickly query, in bulk, Wapack Labs’library of high confidence indicators of compromise (IOCs) through ThreatRecon, Wapack’s web enabled API. PizzaCat, returns these results in a single easy to use CSV format.

**License and Caveats**

PizzaCat is distributed in the hope that it will be useful,but WITHOUT ANY WARRANTY; without even the implied warranty ofMERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. (See the GNU General Public License for more details.) PizzaCatis provided to you “AS IS”. Wapack Labs cannot and do not warrant PizzaCat is error free. The use of PizzaCat is entirely AT YOUR OWN RISK.

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the

**Requirements**

PizzaCat requires the latest version of Java (Java 7.0) and can be downloaded here: <http://java.com>

Additionally, PizzaCat requires Java Run-time Environment (JRE) 1.7 or higher to operate properly and can be downloaded here: <http://www.oracle.com/technetwork/java/javase/downloads/java-se-jre-7-download-432155.html>

You will also need a ThreatRecon API key. ThreatRecon API keys are distributed freely for the first 1,000 queries and can be downloaded by signing up for a free account at https://threatrecon.co

**NOTE**: Query results for users using a free API key are throttled to conserve bandwidth. Throttling is removed for users who purchase an API key for as low as $40 per month 100,000 queries.

**How to Use**

PizzaCat is a standalone .jar file and can be executed on any operating that supports Java. To use PizzaCat, perform the following:

1. You launch PizzaCat by double clicking on the .jar file. You’ll be prompted first for a ThreatRecon API key.
2. You will be prompted to specify a working directory. This is a dedicated directory for temporary files. **NOTE**: PizzaCat adds and deletes files from this working directory. **DO NOT** specify a working directory with files you wish to retain. When clicking “CLEAR QUERIES” in the follow step, the contents of this directory will be permanently deleted.
3. Next, you’ll be prompted to specify a results directory, which PizzaCat will write query results in .CSV format. The files in this directory are retained and not automatically deleted as is the case with the working directory.

With these steps complete, you are ready to use PizzaCat!

1. From the Graphical User Interface (GUI), you can either “Browse” to upload a file for bulk queries or type indicators direct into the table.
   1. To query an uploaded file, simply hit the “Parse” button to extract the indicators from the file for query.
   2. To query the indicators from entered into the table, you must press the enter key after each entry and then click the “Parse” parse.
2. When ready to query, simply chose “Recon” and then choose “Start” in the status window. Paid API users can run multiple queries at once; however, multiple queries and parallel queries are not supported for those with free API keys and will cause errors.

**Final Notes**

PizzaCat displays on the first 500 results in the results section of the GUI; however, the full results can be seen in the .CSV file located in the results directory specified by the user in Step 3.

**Known Bugs/Errors**

* User must press the “Enter” key or click off the editable fields in the GUI before committing a query for Recon. Failing to do this will return errors or null results.
* Apple users must us CTRL +V when pasting indicators to be queried directly into the table. Apple Command + V does not work.
* Loading bar only loads in increments of 10%.
* The last 10% of the loading bar lags when running large queries.
* CSV files have duplicate results. E.G. google.com and 8.8.8.8 produces duplicate results because they are the same.