Infinitaware



High Interaction Threat detection system

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Jammer is a **High Interaction Threat detection system**, which will improve the level of security of your enterprise network via the following phases:



## DETECT

Jammer detects in real time all the connections incoming towards your network, creating configurable isolated environments where the attacker activity is redirected and saved.



### **ANALYZE**

Jammer provides all the instrumentation to analyze sessions' specifics via a modern web UI, both for live inspection and post-analysis.

Sessions can be tagged, searched, logs can be downloaded and processed offline.



## REACT

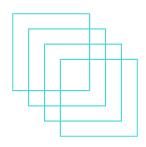
To lively improve the level of security of your infrastructure, Jammer provides APIs that can be integrated in your tooling to promptly react on new emerging threats.



#### PROTECT

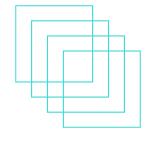
Via this set of instrumentation, your infrastructure will automatically improve its level of security, and analysts are provided with all the instrumentation needed to analyze and implement custom security measures.





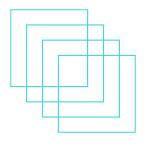
# EXPOSE REAL NETWORK SERVICES

On connection every attacker is given its own sandbox



#### **EXPLORE DATA**

Search through data in full-text mode or with our custom built in language



#### INTEGRATE

Integrate in your own infrastructure through Jammer REST APIs



#### COLLECT ATTACKER DATA

Network data, host information, executed commands etc.



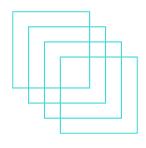
#### STAGED ROUTINES ENGINE

Create staged routines to automatically tag threats, generate reports, feed other systems



#### **GENERATE REPORTS**

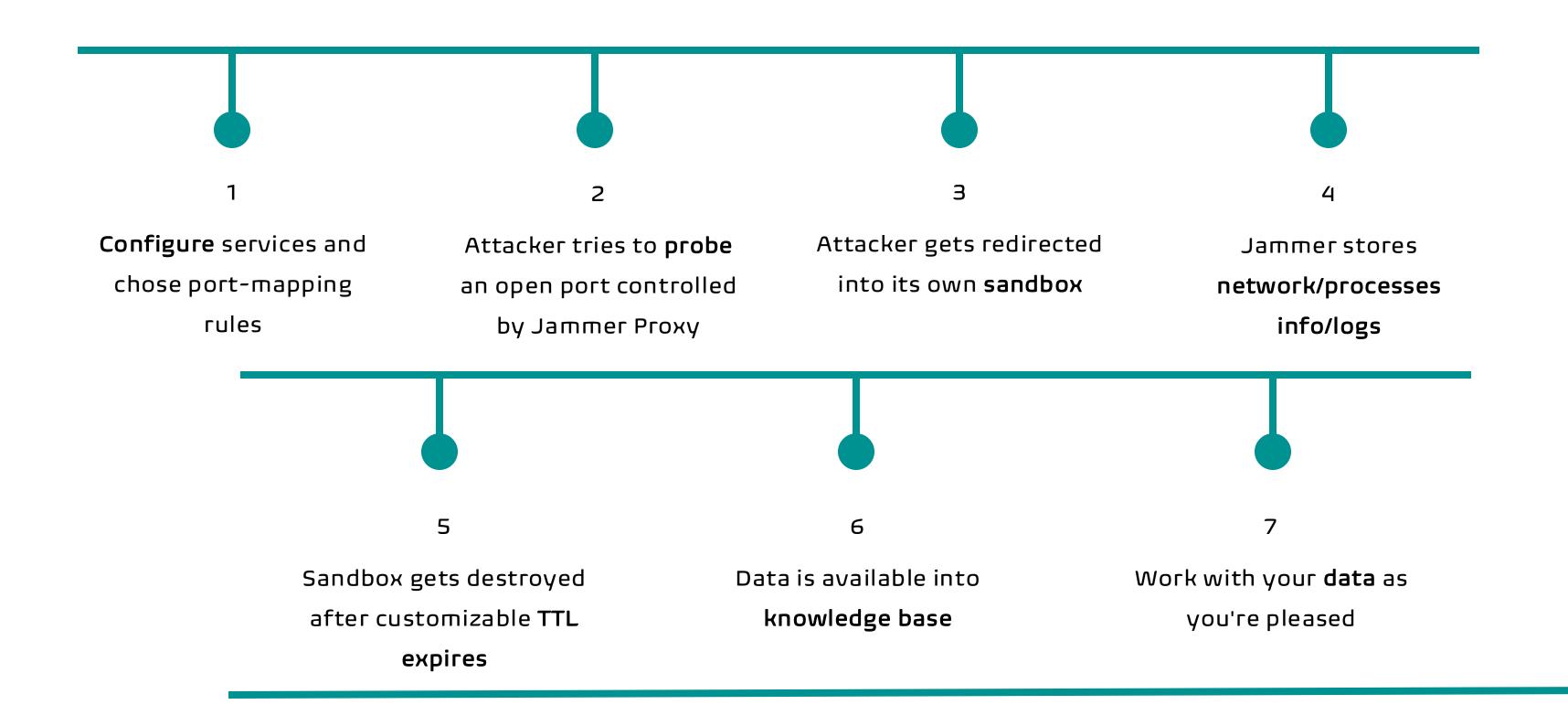
Generate and share threat reports



## ALLOWS ADDING AND EXPOSING NEW SERVICES WITH EASE

Jammer already comes with a plethora of well-known services sandboxes (SSH, Telnet, Samba, etc.) but its design and modularity allows adding and exposing new services for attackers as desired with extreme ease.









### THREAT INTELLIGENCE DATA GENERATION

Jammer generated data comes in world-standard formats, such as CSV, PCAP and JSON API. Such data can be used to create, store and host a custom threat intelligence database.



## ALERT GENERATION: FIREWALL/IDS/IPS LIVE CONFIGURATION

Jammer live activity and monitoring systems can be used to automatically configure and interact with firewall systems already present in your infrastructure.



## PENETRATION TESTING TRAINING

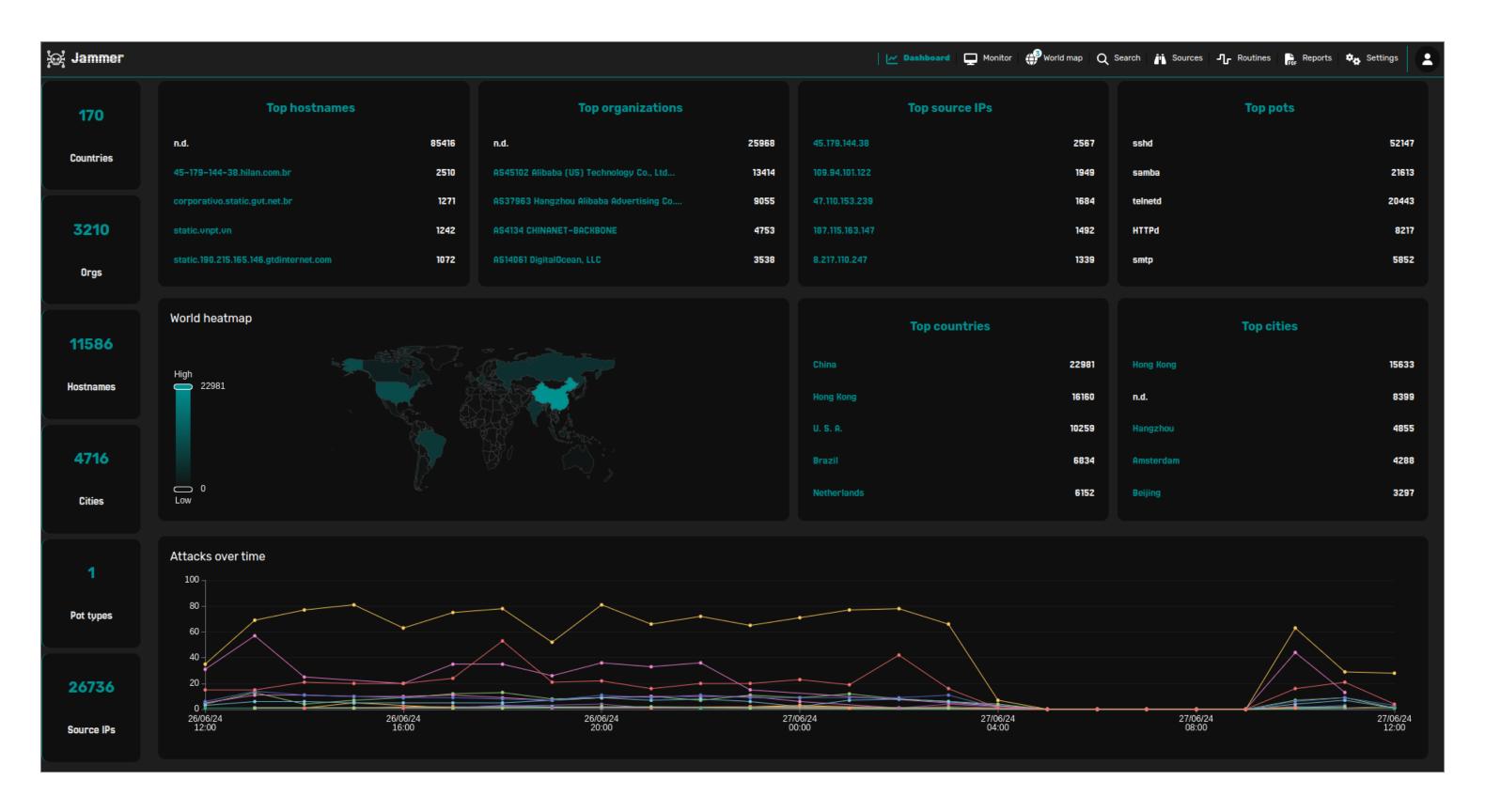
Via its set of instrumentation, Jammer can be easily used as a laboratory to train and prepare analysts against real threats and attack scenarios.



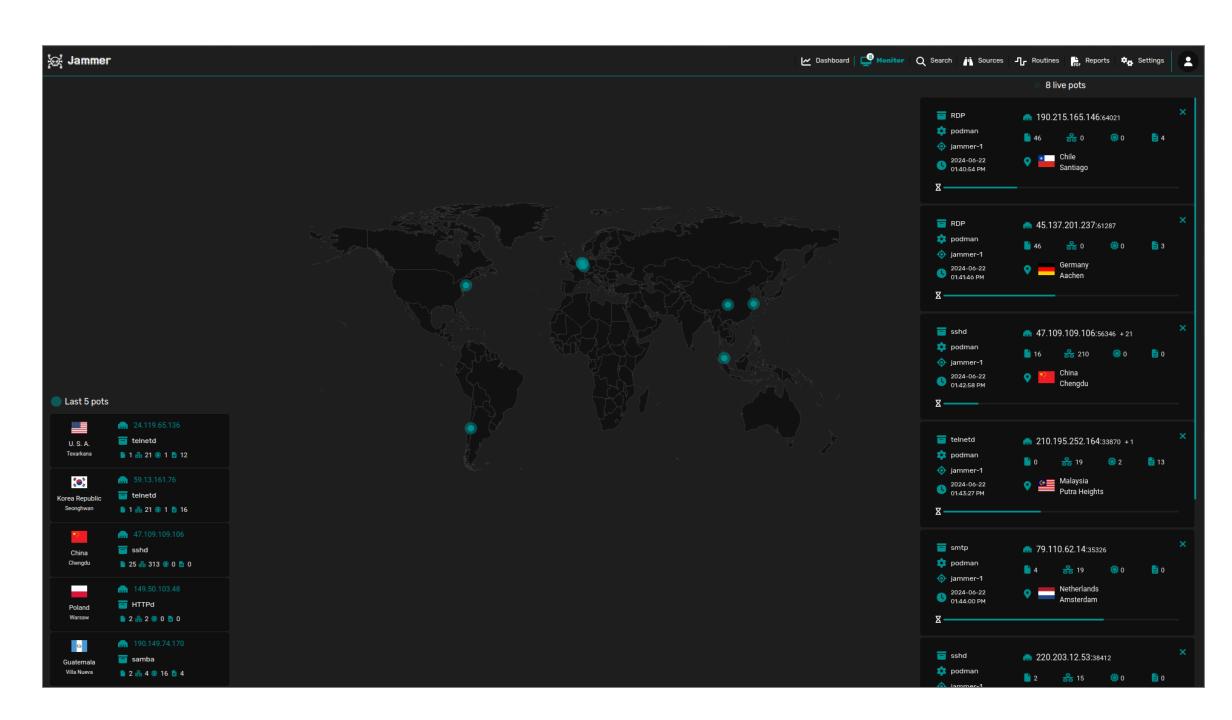
## LIVE INFRASTRUCTURE MONITORING

Jammer tracks attackers' sessions live. Its Web UI automatically shows newcoming attacks, sessions, and real time logs.

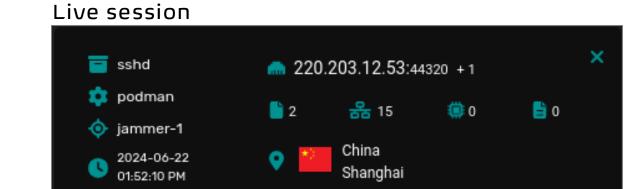


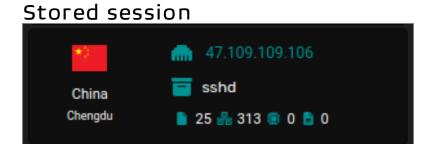


Home section shows prominent statistics about collected data



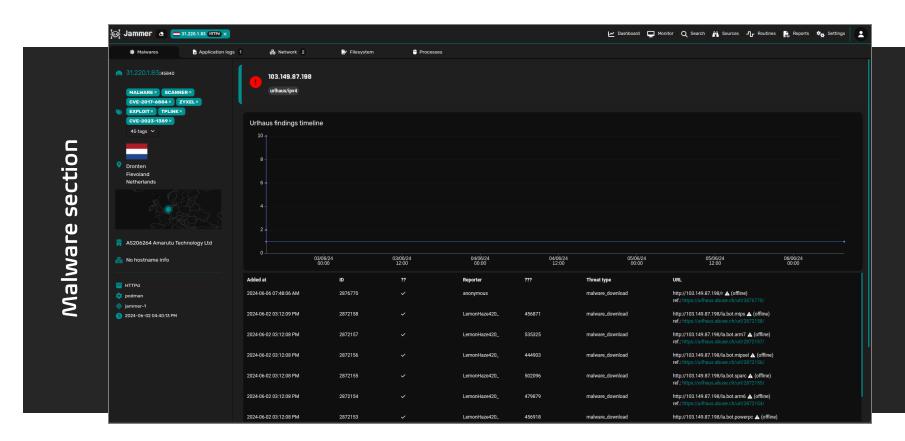
On the right live attack sessions are shown, on the bottom left recently terminated attack sessions are shown







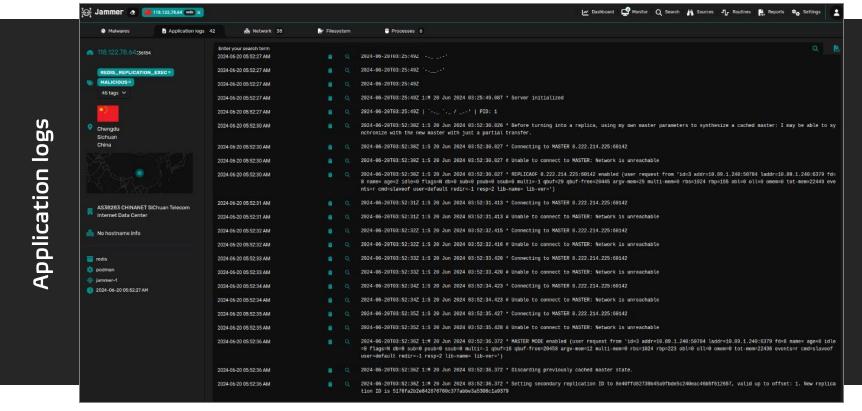




In this section details about a single session are shown:

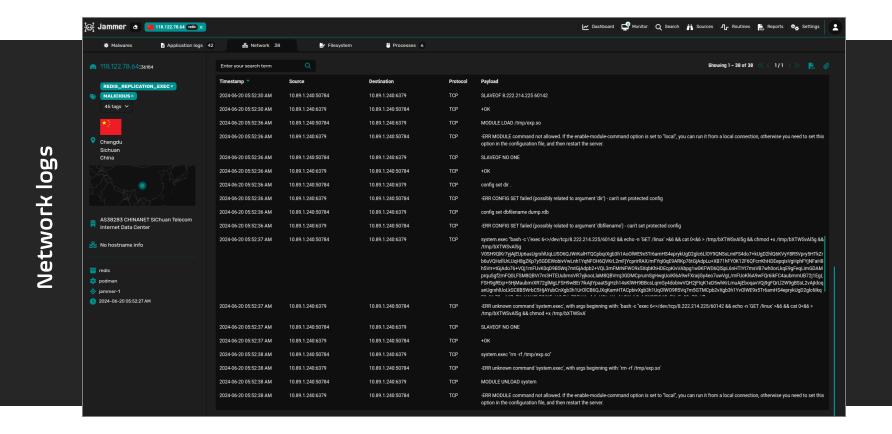
- Country, host and organization info of the IP address
- Attacked service
- Malicious findings
- Session tags

Malware information is retrieved via providers such as Maltiverse, Urlhaus, etc.

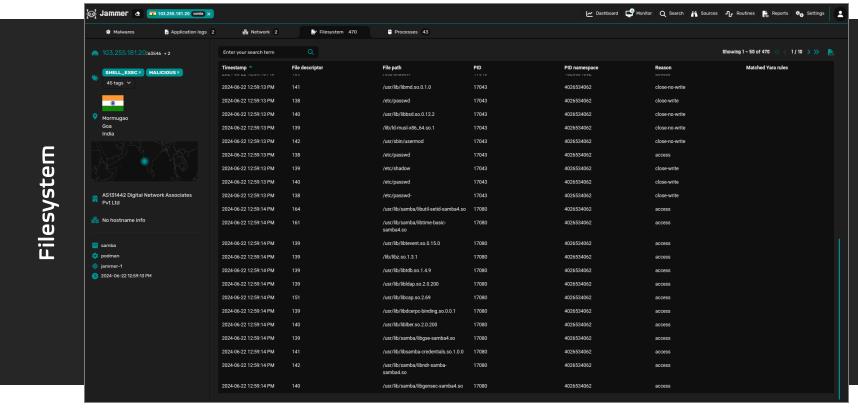


All service generated logs are shown with possibility to filter out using full-text search and download them as CSV

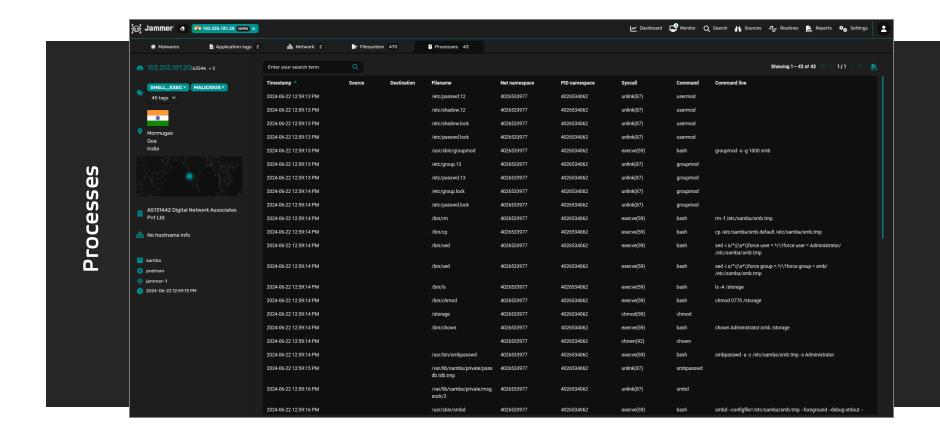




Network section shows traffic dump, possibility to search through it and to download as CSV or PCAP for further analysis



Filesystem section shows access to files and directories and which kind of access has been done, data can be downloaded as CSV



Processes section shows relevant information about commands and syscalls executed during the session, data can be exported as CSV

Searching through data

can be done using full-text

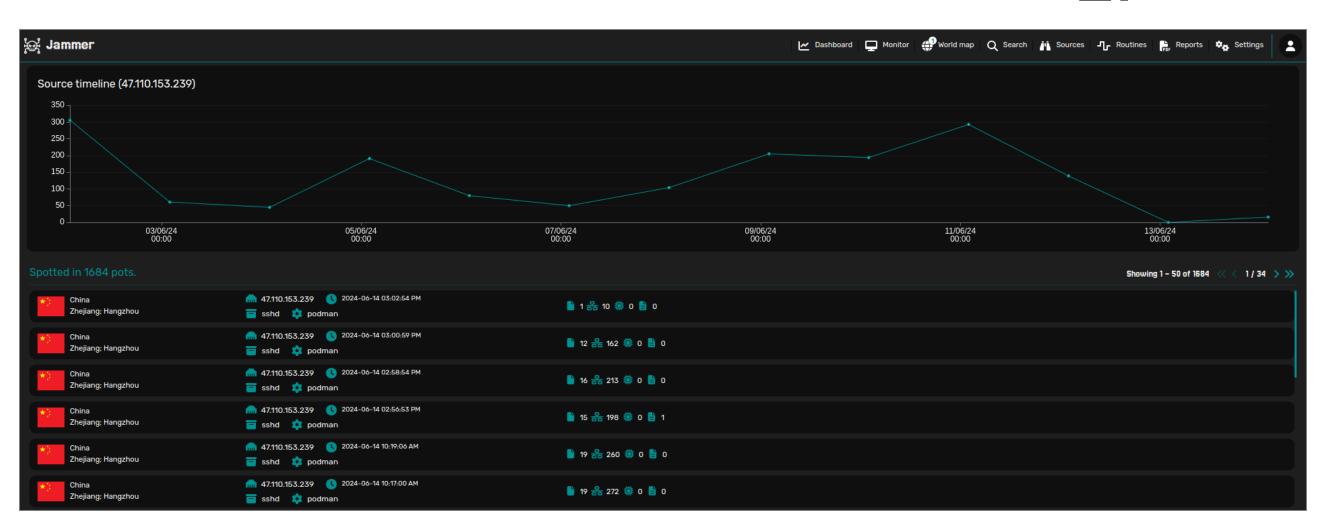
or Jammer language (very

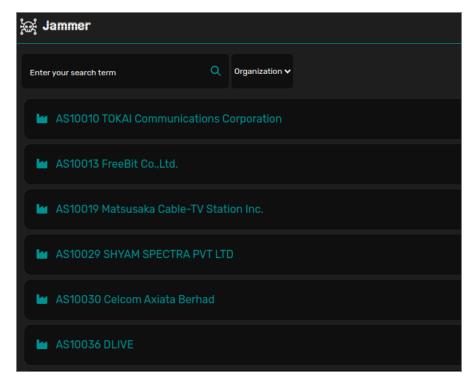
similar to Shodan.io)

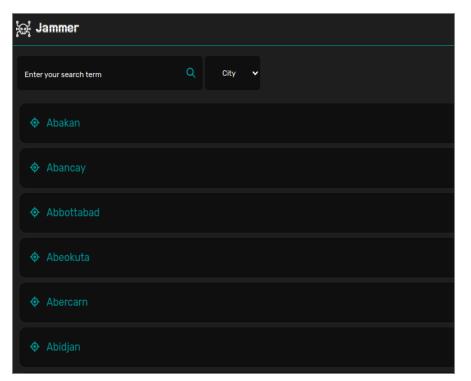


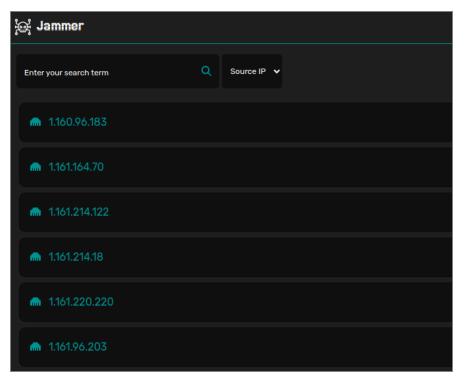
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Sources shows aggregated data per IP, Country, City, Host etc. over time. It is particularly useful to identify specific / frequently spotted attackers with a high activity rate.









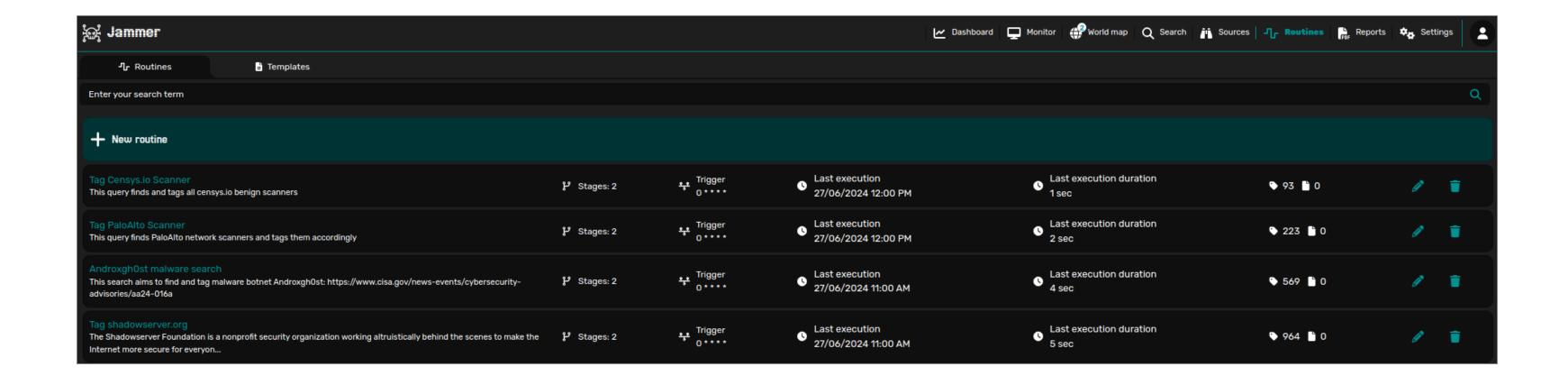


Users can create routines, made of multiple sequential stages, to process past sessions.

#### For example:

- search for a pattern in application logs
- if a pattern is found, add tags to all the matching data
- then create a report

Reactions to spotted patterns can be customized and programmed on demand. For example, prepare and execute a driver to feed an external IPS system under certain conditions.





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Stages are executed in order.

Each stage selects session based on the stage specific logic and implementation. Possibilities for stages are:

- Database stage selects past sessions based on queries
- Boolean stage selects past sessions if a condition is met (has there been network activity? Etc.)
- Execution stage execute an action on the matched sessions.

Past sessions matching all the stages pipeline are then shown and can be used as input for executing a routine (for example, apply a tag and / or use the sessions' IPs to feed another system).



