

Arkose Labs Customer Analysis Dashboard

Arkose Labs Customer Analysis Dashboard delivers actionable insights as well as visualization & data stitching to provide an end-to-end view across the customer journey. The dashboard also showcases advanced analytics breaks down the non-legitimate traffic to deliver better understanding of the underlying attack patterns & the downstream reaction to an enforcement. With real-time data logging, customer can react rapidly to any changing patterns as well as test the user experience to verify the integrity of the platform.

Query Dashboard

Use the search bars below to search for User-agent, session ID, User IP or partial matches of those identifiers. Partial Match filter also accepts telltales and customer provided account IDs.

Partial match search individual values:

interval:

session is legit:

public_key:

timeframe (UTC)

10/24/2019 12:00:00 AM 10/31/2019 5:00:00 PM

Multiple User IP (exact match)

Overall Statistics

Loaded sessions	Verified	Uptake	Completion	Throughput
1,379,375	956,574	56.3%	94.3%	69.3%

Passive/interactive

Interactive	Passive
9.11%	90.89%

Non-legit/Legit Sessions

Legit & Unclassified	Non-legit & Suspect
94.52%	5.48%

Multiple User-Agent (exact match)

Verified Sessions per 1hr

Multiple Session IDs (exact match)

Loaded/Solved/Verified per 1hr

Top features

Below are the top 10 features within the searched for data set

Most common client theme

failwhale	96.7%
ML_defence	1.8%
sweatshop_de..	0.8%

Most common render type

passive	90.9%
canvas	8.7%
liteJS	0.3%

Most common security level

3 (passive)	90.9%
30 (3 animals)	2.9%
10 (1 animal)	2.7%

Top IPs

User IP	Loaded sessions	Verified	Throughput
192.168.1.1	4,872	4,821	99%
192.168.1.2	1,463	0	0%
192.168.1.3	1,415	0	0%
192.168.1.4	1,409	0	0%
192.168.1.5	1,366	0	0%
192.168.1.6	1,360	0	0%
192.168.1.7	1,355	0	0%
192.168.1.8	1,332	0	0%
192.168.1.9	1,311	0	0%
192.168.1.10	1,286	0	0%

Top User-agents

User agent	Loaded sessions	Verified	Throughput
Mozilla/5.0 (Windows NT 10.0..	242,719	180,502	74%
Mozilla/5.0 (Windows NT 10.0..	106,284	79,267	75%
Mozilla/5.0 (iPhone; CPU iPho..	65,340	42,184	65%
Mozilla/5.0 (Windows NT 6.1; ..	51,413	36,761	72%
Mozilla/5.0 (Windows NT 10.0..	37,984	27,413	72%
Mozilla/5.0 (Windows NT 10.0..	31,919	24,458	77%
Mozilla/5.0 (Windows NT 10.0..	25,535	17,919	70%
Mozilla/5.0 (Windows NT 10.0..	22,105	15,430	70%
Mozilla/5.0 (Windows NT 6.1; ..	21,566	15,430	72%
Mozilla/5.0 (Macintosh; Intel ..	18,175	13,675	75%

Top Accounts

Account Customer ID	Loaded sessions	Verified	Throughput
	98,680	98,539	100%
415	1	1	100%
2004	1	1	100%
2294	2	2	100%
3033	1	1	100%
3514	2	1	50%
4220	1	1	100%
6232	3	3	100%
6513	1	1	100%

Top Telltales

Telltale user	Telltale user explanation	Last seen	Number of IPs	Number of UAs	Loaded sessi..	Verified	Throughput
192.168.1.1	Known Suspect IPs	10/31 16:58	7,367	1,451	17,505	10,634	61%
192.168.1.2	Suspect Arkose ID handling	10/31 17:02	7,162	1,484	14,730	9,964	68%
192.168.1.3	Suspect fingerprint data	10/31 17:01	6,754	327	13,296	7,395	56%
192.168.1.4	Known Suspect IPs	10/31 17:00	3,545	1,216	10,657	6,121	57%
192.168.1.5	Other Suspect Request Content	10/31 16:59	14	6	9,934	3	0%
192.168.1.6	Timezone mismatch	10/31 17:02	3,101	709	8,805	6,087	69%
192.168.1.7	Timezone mismatch	10/31 16:52	847	281	3,734	1,132	30%
192.168.1.8	Other Suspect Request Content	10/31 16:40	58	33	3,456	31	1%
192.168.1.9	Timezone mismatch	10/31 17:03	1,428	422	2,657	1,772	67%

Top Countries

CC	Loaded sessions	Verified	Throughput
US	523,536	375,089	72%
GB	95,154	69,924	73%
KR	79,213	54,783	69%
BR	60,346	39,958	66%
JP	57,552	37,768	66%
FR	51,162	35,161	69%
CA	49,033	34,526	70%
SE	39,482	27,538	70%
HK	35,408	24,419	69%
TW	28,733	18,459	64%

Some of the key components include:



Search and Filter: Fraud and data analysts can use the search bars to focus on a single SessionID, User IP, User-agents. Analysts can also look for partial matches of the identifiers.

Partial match search individual values <input type="text"/>	Multiple User IP (exact match) <input type="text"/>	Multiple User-Agent (exact match) <input type="text"/>	Multiple Session IDs (exact match) <input type="text"/>
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The dashboard can be customized using filters to hone in on any particular transaction types or cohort or timeframes.

Public key 69A21A01-CC7B-B9C6-0F9A-E7FA06677...	session is legit (All)	User Language (All)	passive/interactive Interactive	Verified? (All)	render type (All)	timeframe 10/24/2019 6:00:00 10/31/2019 3:00:00
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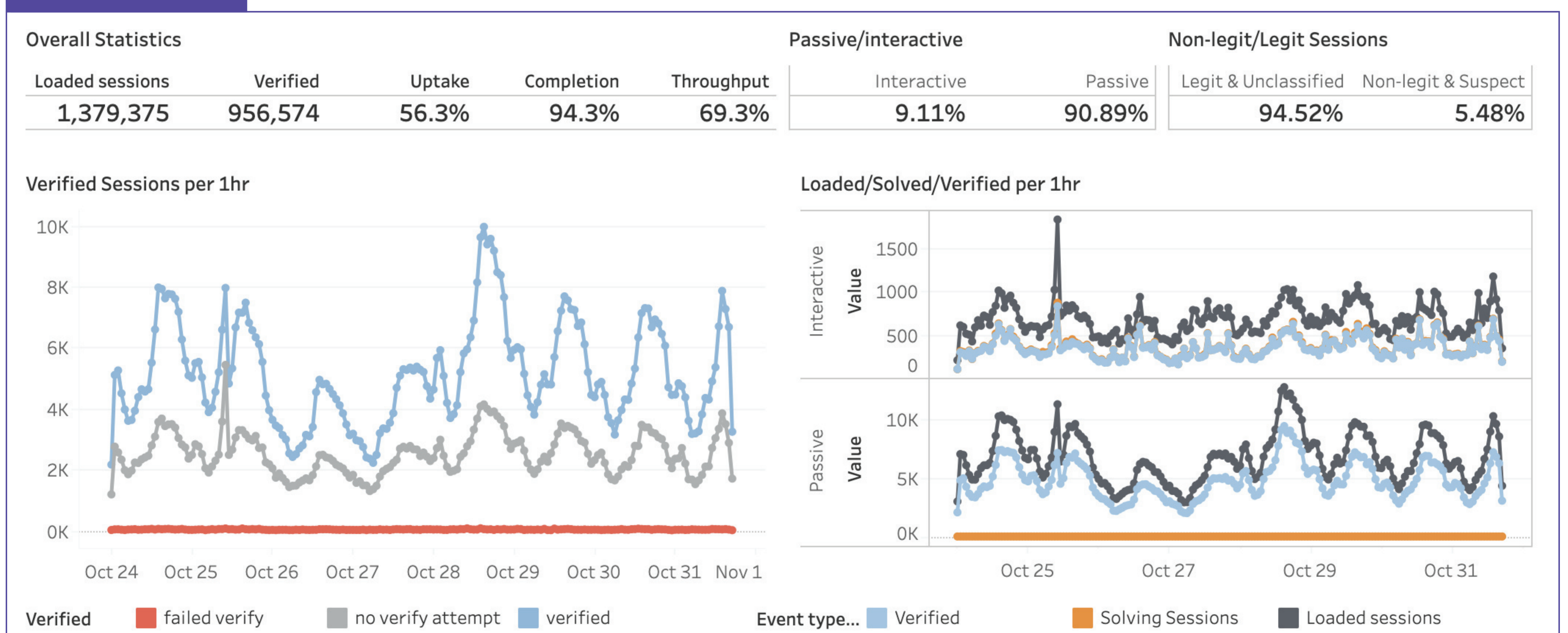
Summary Dashboard: Easy to view summary of all key metrics for a given timeframe.

Overall Statistics & User Segment Conversion Rates						Passive/interactive		Non-legit/Legit Sessions	
Session Count	Loaded sessions	Verified	Uptake	Completion	Throughput			Legit & Unclassified	Non-legit & Suspect
1,454,873	1,120,219	311,098	37.4%	90.5%	27.8%	Interactive		47.89%	52.11%
						100.00%			

Overall Statistics

- Loaded session means that the user successfully loaded the challenge.
- Verified means the challenge was solved.
- Uptake is the number of loaded session that resulted in a user interaction.
- Completed is the number of those that solved (of the ones that interacted).
- Throughput is the % of verified session of those that loaded.
- Passive means no challenge was shown whereas interactive means that the user was shown a challenge at any security level. This goes back to the ability to customize passive vs. interactive percentages.
- Non-legit and suspect sessions either match or share characteristics with known bad actors.

Easy to visualize





Detailed Statistics: Provides the ability to visualize the top features within each search and filter criteria based on the number of session loaded. This enables the analysts to dig deeper into filtered data or use cases.

Top User-agents				
User agent	🔍	Loaded sessions	Verified	Throughput
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36		153,916	65,109	42%
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.70 Safari/537.36		82,916	34,511	42%
Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:70.0) Gecko/20100101 Firefox/70.0		29,631	12,008	41%
Mozilla/5.0 (Windows NT 6.1; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36		21,293	8,176	38%
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.102 Safari/537.36 Edge/18.18362		19,187	7,310	38%
Mozilla/5.0 (iPhone; CPU iPhone OS 13_1_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.1 Mobile/15E148 Safari/604.1		17,952	2,995	17%
Mozilla/5.0 (Windows NT 10.0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.70 Safari/537.36		13,817	285	2%
Mozilla/5.0 (Windows NT 6.1; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.70 Safari/537.36		11,416	4,438	39%
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.90 Safari/537.36		9,916	3,864	39%
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/64.0.3282.140 Safari/537.36 Edge/18.17763		9,693	3,821	39%



User Session per IP: While shared IPs from corporations or shared addresses like large gateways or proxies could legitimately generate a lot of sessions, these are usually a good indicator of suspicious traffic.

Top IPs				
User IP	🔍	Loaded sessions	Verified	Throughput
194.183.179.230		13,036	0	0%
223.255.14.213		673	222	33%
108.177.6.56		614	0	0%
108.177.6.53		521	0	0%
108.177.6.55		491	0	0%
108.177.6.57		386	0	0%
108.177.6.54		384	0	0%
108.177.6.52		378	0	0%
108.177.6.58		367	0	0%
108.177.7.80		364	0	0%



Top Country: Insights into the traffic patterns by region enables the analysts to identify any sudden change in volume patterns. This enables the platform to put extra pressure on regions where the attacks are coming from.

Top Countries			
🔍	Loaded sessions	Verified	Throughput
CN	203,119	42,548	21%
US	165,852	53,964	33%
IN	78,391	23,852	30%
RU	42,941	11,005	26%
ID	35,723	9,042	25%
BR	35,515	10,683	30%
DE	30,441	9,066	30%
JP	29,483	6,950	24%
UA	29,051	4,054	14%
GB	25,916	10,423	40%



Arkose Labs bankrupts the business model of fraud. Its patented platform combines Telemetry with an Adaptive Step-Up challenge. Telemetry accurately identifies bad actors, while the Adaptive Step-Up wears them down and diminishes their ROI without adding friction for good customers. The world's largest brands trust Arkose Labs to protect their customer journey while delivering an unrivaled customer experience.

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