

# **«SWIPED AND APPROVED»**

Exposing carders fully automated e-shop selling stolen cards data



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### 1. Introduction

From 2008 up to present, an illegal service «SWIPED» selling stolen credit card details have been operating on black market. The stolen card information being sold through SWIPED contains: credit card numbers, cardholder names/addresses, secret codes, card dumps and expiry dates. The information obtained from the service is used in further fraud schemes by thousands cybercriminals all over the world. The SWIPED service is widely promoted on popular underground communities, including Verified, Carderspro, Mazafaka and other popular international cyber-criminal communities. Having tens of thousands active users, SWIPED is considered to be one of the biggest fully automated e-shops selling stolen credit cards information.

In May 2014 private cybersecurity company Group-IB performed an intelligence operation against SWIPED service, it's organizers and partners. This document provides a general view on SWIPED and describes intelligence results collected from hidden administrative panels of SWIPED.



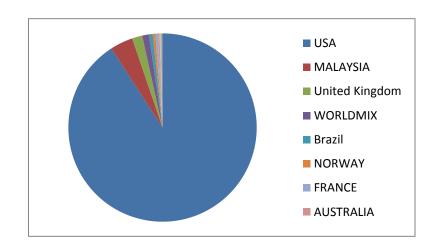
### 2. General SWIPED description

SWIPED runs the busyness model of reselling stolen data. The credit cards data originates in e-commerce projects, web-services and retail networks, where it's being compromised by cybercriminals using different techniques that can seriously vary from case to case. In general, different web-hack techniques (like sql-injection, cross-site scripting, code injection and others) and social engineering are used to compromise the data in e-commerce projects and web-services. Even though according to PCI DSS standard such resources are not allowed to store credit cards information, if the certain resource is compromised, malefactors have many ways to change cards processing workflow and steal the cards data that is being processed. Credit card dumps (information recorded on magnetic stripes of the cards) are usually compromised in the infected POS terminals using special malware, such as Dexter, Black POS and others.

SWIPED activity affects all leading global banks: Bank of America, Chase, Wells Fargo, Citibank, Wachovia, HSBC, Lloyds, RBS, and many others. As of May-05-2014, cards from 148 countries were available on SWIPED, however the main target of SWIPED is USA – more than 5 million American cards are on sale in SWIPED with weekly updates.

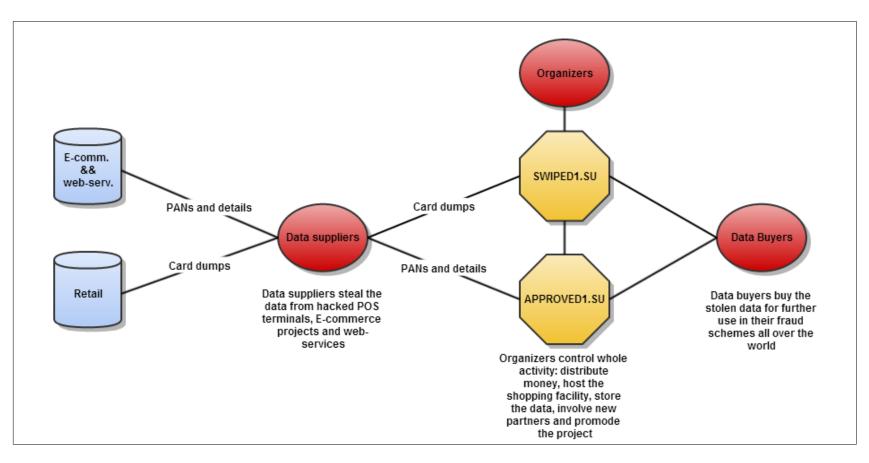
TOP10 countries by number of cards on sale in SWIPED (May-05-2014)

USA	5 233 398
Malaysia	225 536
United Kingdom	101 290
Worldmix	65 903
Brazil	38 003
Norway	26 366
France	24 945
Australia	15 688
Canada	14 571
Sweden	14 543



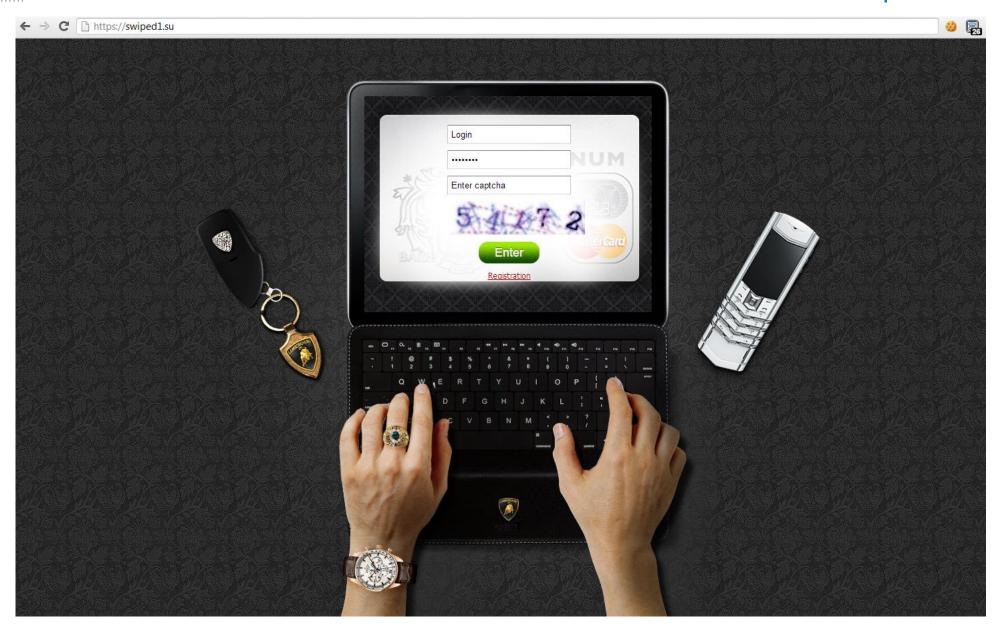


As of May-05-2014, SWIPED used «swiped1.su» and «approved1.su» domain names delegated by «REG RU» registrar in the tld of Russian Federation. **swiped1.su** was used for selling credit card dumps and **approved1.su** for selling credit card numbers and other details (exp. date, cardholder name, secret code, etc.). The number of credit cards on sale on **approved1.su** was about 40.000 cards with 25.000 from the USA, which is significantly less than amount of card dumps on swiped1.su (5M+ American dumps). Based on this, **swiped1.su** was considered to be the most important resource of the SWIPED service and further investigational efforts of Group-IB were primarily targeted on **swiped1.su** domain.



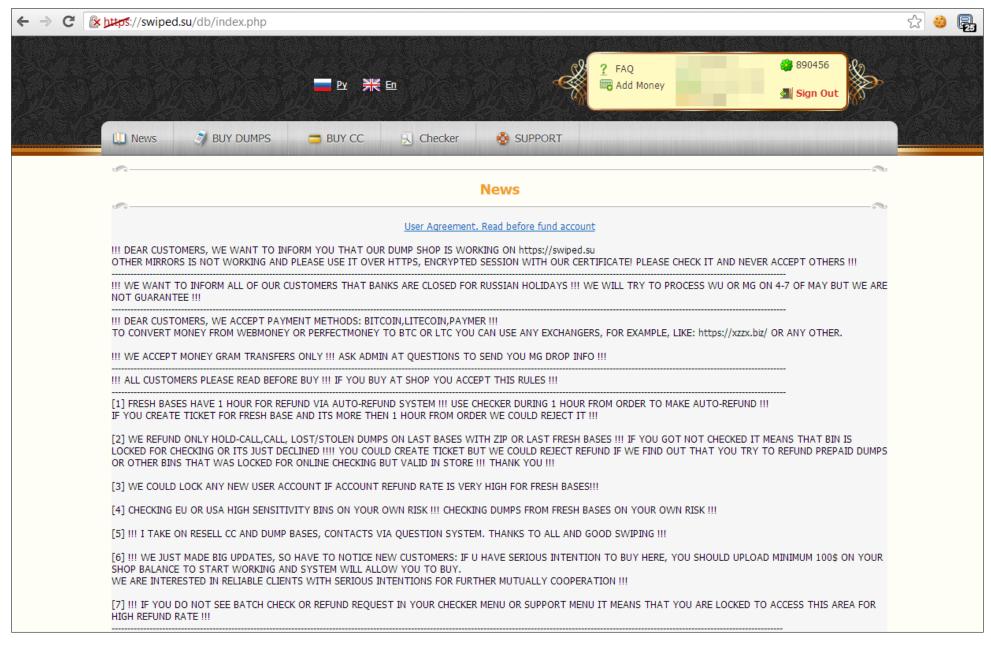
**General SWIPED operating scheme** 





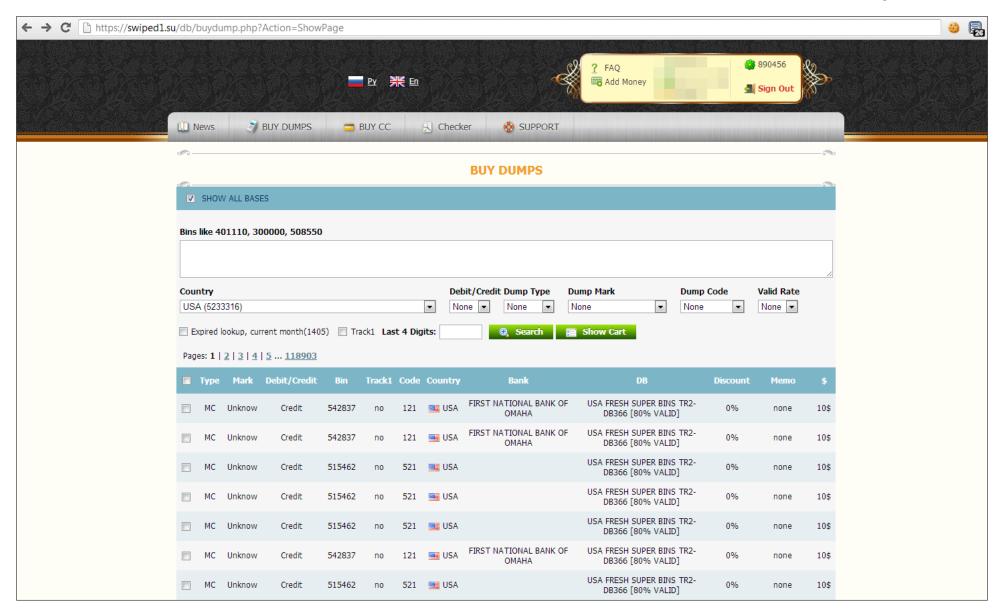
SWIPED login page.





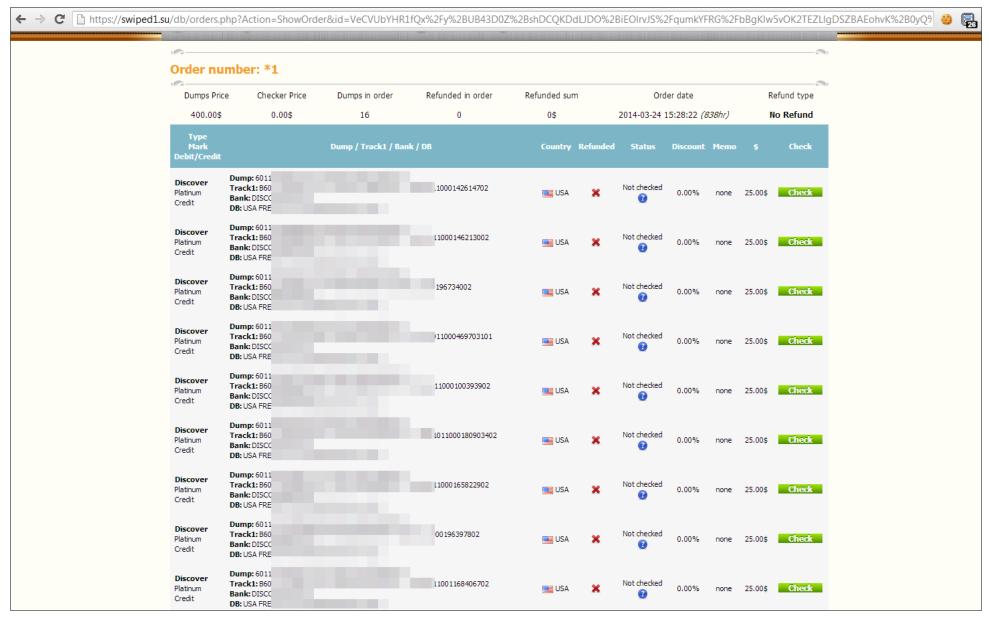
**SWIPED** main page





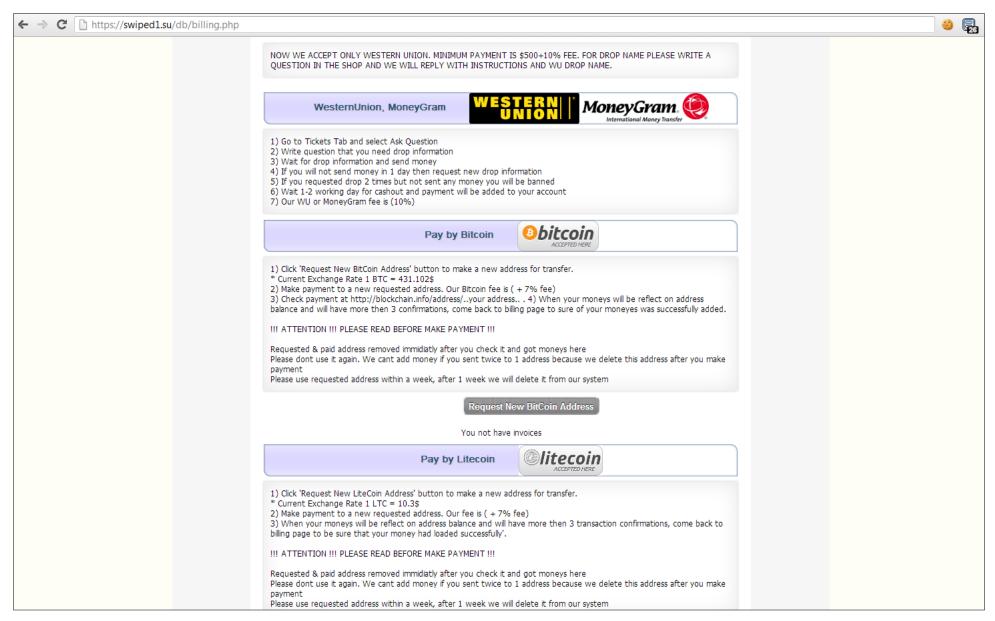
Catalogue of available cards and filtering system





A sample page with order details containing sold credit card dumps



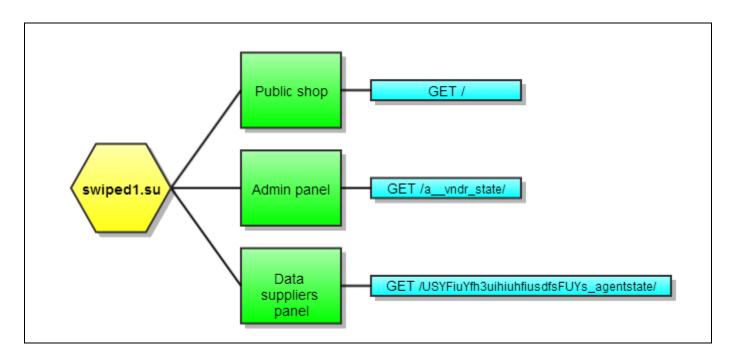


SWIPED accepts different ways for refilling balance, including p2p crypto-currencies



# 3. Intelligence operation against SWIPED

On May 2014 Group-IB performed an intelligence operation against «swiped1.su» and «approved1.su» and revealed two hidden administrative panels being used by SWIPED organizers and data suppliers on the domain swiped1.su. The intelligence extracted from these panels is described below.



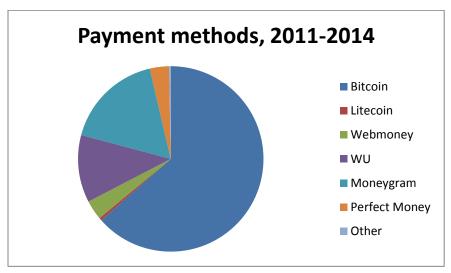
SWIPED web-interfaces and panels hosted on swiped1.su domain



### 3.1.SWIPED Busyness Parameters Revealed

Based on the information revealed from a hidden administrative panel <a href="https://swiped1.su/a">https://swiped1.su/a</a> vndr state/ used by SWIPED administrators, GROUP-IB revealed some details about SWIPED busyness parameters.

- 1. The first SWIPED user «crypto» was registered on 12.07.2008 21:59:51 (hereby and after Moscow time).
- 2. Since 2008, SWIPED has reached **38 730** registered users on swiped1.su.
- 3. **5 059** users (13.3%) have made at least one purchase from SWIPED.
- 4. \$6M total SWIPED sales from 2011 till present. Details about sales 2008-2011 are not available in the observed admin panel.
- 5. 1% (380) of SWIPED users have made 66% of all data purchases on the total amount of \$3 945 095.
- 6. The most active SWIPED user «buyer13» has spent \$109 201 on stolen credit card details.
- 7. The most active data supplier «rescator» has uploaded **5 306 024** stolen credit cards to SWIPED.
- 8. Nowadays about 80% of money transactions in SWIPED are done with Bitcoin. The retrospective data from 2011 to 2014 is presented below.





### 3.2. TOP 30 SWIPED data suppliers (sorted by cards sold)

	name	total_in_base	↓sold	expired	not_sold	can_sell	valid	not_valid	refunded
1	rescator	5306024	151720	421801	4732503	4732503	27906	42626	47409
2	black	402150	70478	55304	276368	269426	12317	15745	17836
3	bish	128823	27276	4324	97223	97223	5838	3747	5106
4	rox	110183	22156	21246	66781	66781	3103	5003	6271
5	big-big	55098	19172	31852	4074	300	3227	10640	12732
6	bigbig1	65872	13571	24974	27327	14258	1853	6331	7201
7	nobody	30905	11988	10119	8798	2335	3015	4366	5015
8	first	29324	11063	12083	6178	1972	2223	5051	6196
9	track1	14652	8554	2571	3527	2961	2239	2886	3760
10	eures	15832	8375	386	7071	7071	711	1579	1878
11	cupi	12508	5541	6645	322	0	1438	1594	1781
12	ukdob	28863	4899	9541	14423	0	821	501	708
13	juli	7725	4817	2635	273	0	1493	1114	1294
14	rainman2	6212	4707	1162	343	343	2240	1290	1536
15	skynet	346389	4700	15917	325772	325772	864	1034	1275
16	vr82	5724	4378	1299	47	0	1335	1157	1360
17	markblack	23514	3667	1565	18282	0	797	851	945
18	enf	22253	3606	962	17685	17685	1165	676	853
19	moe	5566	2581	2142	843	0	415	1328	1518
20	rolfes	9586	2478	4686	2422	2422	836	697	745
21	damian	10938	2386	1217	7335	7335	434	522	599
22	rainman3	3621	2087	959	575	575	550	805	1007
23	yru2	3903	1867	1842	194	194	484	770	961
24	valera	3762	1547	2215	0	0	505	301	355
25	track2	11834	1489	1409	8936	8936	202	459	552
26	rescatorbulk	1021	1021	0	0	0	5	0	0
27	korat	1352	1001	86	265	265	173	109	149
28	bestfriend	11054	946	2042	8066	0	139	73	122
29	rainman4	3200	920	390	1890	1680	109	205	262
30	tester1	2932	893	1842	197	189	164	282	448

### 3.3. Rescator



The TOP-seller — Rescator — is a famous leader of cybercriminal society «Lampeduza», running a CC/DUMPS shop **rescator.la** and providing e-mail flooding and spamming services.

Rescator is also known as Helkern and ikaikki.

Allegedly [http://krebsonsecurity.com/2013/12/whos-selling-credit-cards-from-target/], his real name is Andrey Hodirevski and he lives in Odessa (Ukraine).

Rescator was registered as a data supplier on SWIPED on 2013-03-27 00:42:01. Group-IB determined, that from December 2013 to February 2014 Rescator uploaded about ~5 Million cards to SWIPED marked as "USA FRESH BINS TR1+TR2+ZIP [80% VALID]". Also during this period he did a few massive uploads to Rescator.la/Octavian.su CC shop with cards having the same mark.

In a partnership with an American bank, Group-IB checked a random sequence of cards from these databases and determined that all compromised cards had operations in TARGET stores in November/December 2013. Based on this and other evidences, Group-IB concluded that uploaded 5 Million cards were stolen from TARGET stores during security breach in November/December 2013.



Add new base | Bases stat | Total statistic | Sales by date | Refund history | Tickets of this agent | Agents declined dumps | Agents expired dumps | Agent payments rescator Total stat Valid ratio stat Total in base 5306024 145233 Total sold Sold 151720 / 2.86% Not checked 74701 421801 / 7.95% Expired 27906 / 39.57% Valid Not sold 4732503 / 89.199 42626 / 60.43% Not valid Locked 0 / 0% Refunded 47409 / 32.64% Can sell 4732503 / 89.199 Unknow Classic Gold Base Agent Biz/Corp Infinitie Last 4 More 10 More 50 More 100 Username Basename Enabled Ratio Validratio Uniquechecker Uniquecheckerid color id id discount discount discount price price USA FRESH TR1+TR2-0.00% 54950 f 6dc221 Lock 288 68 12.00\$ 12.00\$ 20.00\$ 25.00\$ 30.00\$ 5.00\$ 0.00% 0.00% Edit DB288 [80% VALID] USA FRESH TR2-DB303 12.00\$ 20.00\$ 25.00\$ 0.00% 94200 f 303 68 rescator 30.00\$ 5.00\$ 0.00% 0.00% 6dc221 Lock [80% VALID] EU FRESH TR2-DB347 0.00% 0.00% 94590 f 347 68 50.00\$ 50.00\$ 70.00\$ 90.00\$ 100.00\$ 5.00\$ 0.00% 6dc221 Lock rescator [80% VALID] USA FRESH TR2-DB348 95000 f 348 68 rescator 15.00\$ 25.00\$ 30.00\$ 35.00\$ 5.00\$ 0.00% 0.00% 0.00% 6dc221 Lock [80% VALID] USA FRESH TR1+TR2-0.00% 349 68 rescator 15.00\$ 15.00\$ 25.00\$ 30.00\$ 35.00\$ 5.00\$ 0.00% 0.00% 95100 f 6dc221 Lock DB349 [80% VALID] EU FRESH TR1+TR2-350 68 55.00\$ 55.00\$ 75.00\$ 95.00\$ 105.00\$ 5.00\$ 0.00% 0.00% 0.00% 94600 f 6dc221 Lock rescator DB350 [80% VALID] 354 68 rescator TEST BASE 25.00\$ 25.00\$ 35.00\$ 45.00\$ 50.00\$ 5.00\$ 0.00% 0.00% 0.00% 95000 f 6dc221 UnLock Edit USA FRESH TR1+TR2+ZIP-355 68 20.00\$ 30.00\$ 40.00\$ 50.00\$ 5.00\$ 0.00% 0.00% 0.00% 95200 f 6dc221 Lock rescator DB355 [80% VALID] EU FRESH TR1+TR2+ZIP-60.00\$ 80.00\$ 100.00\$ 110.00\$ 5.00\$ 0.00% 0.00% 0.00% 94500 f 6dc221 Lock 356 68 rescator DB356 [80% VALID] USA FRESH TR1+TR2+ZIP-20.00\$ 30.00\$ 40.00\$ 357 68 50.00\$ 5.00\$ 0.00% 0.00% 0.00% 95300 f 6dc221 Lock rescator DB357 [80% VALID] USA FRESH BINS TR1+TR2+ZIP-DB359 [70% 10.00\$ 10.00\$ 17.00\$ 21.00\$ 25.00\$ 5.00\$ 0.00% 359 68 0.00% 0.00% 96100 f 2 6dc221 Lock rescator VALIDI

Profile and statistics of «rescator» -- the most active SWIPED data supplier.

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# 3.4. TOP30 SWIPED data buyers (sorted by amount of money spent)

id	name	reg_date	email icq	↓ total_used	balance
12311	buyer13	29.12.2011 0:01		109201	762
17194	pedro81	07.06.2012 7:11		71925	4
29652	CASHRULES	09.04.2013 6:57		67362	45
28627	123andrew	16.03.2013 10:11		65201	295
28035	supreme911	06.03.2013 23:49		59194	42
17273	fj5006	10.06.2012 21:06		56999	393
26755	sloud	14.02.2013 7:30		45057	3
13152	d0wnt0wn	30.01.2012 22:38		44070	8
11514	dracula1	23.11.2011 15:58		42190	71
29283	markfresh	31.03.2013 5:52		41432	1
29481	risengrind	06.04.2013 1:28		36238	471
28576	ghostnova	15.03.2013 8:04		34892	13
14655	ggmonex	22.03.2012 7:04		34840	417
10481	mario12	20.09.2011 4:08		32569	125
28891	Byalentino	22.03.2013 2:06		32480	16
3	root	12.07.2008 22:15		32249	7200
28001	miami	06.03.2013 7:52		30345	293
33894	theateam	09.07.2013 8:23		29475	19
12466	MILLERTIME	04.01.2012 9:34		28637	223
24004	bluetooth	27.12.2012 8:50		27304	2
9559	canadaysss.	12.07.2011 23:10		27084	5
31567	kimba	16.05.2013 2:47		25609	0
41697	Mrssmith.	14.01.2014 6:07		24729	35
40086	Andrew140	16.12.2013 1:57		24694	49
2945	aaiiaan	28.03.2010 20:38		24411	11
28425	jimjohnson	12.03.2013 23:26		23942	335
27122	abc654321	20.02.2013 9:53		23659	401
23526	michael007	16.12.2012 5:20		23377	171
17738	donp0511	25.06.2012 22:47		23050	0
41446	ilove143	10.01.2014 14:27		22384	2

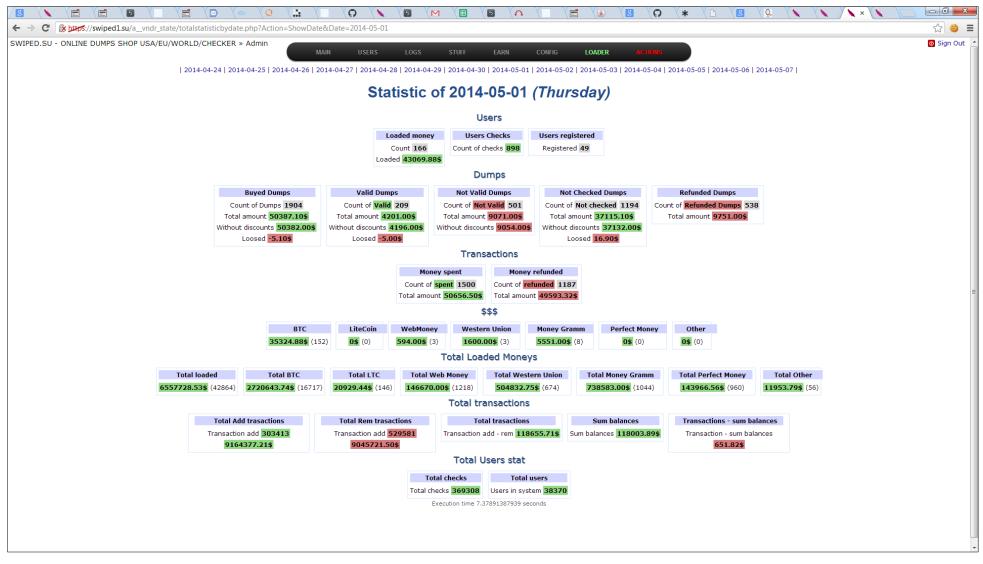
#### 107023, Russia, Moscow, 14-2 Mazhorov lane +7 (495) 984 33 64, info@group-ib.com, www.group-ib.com





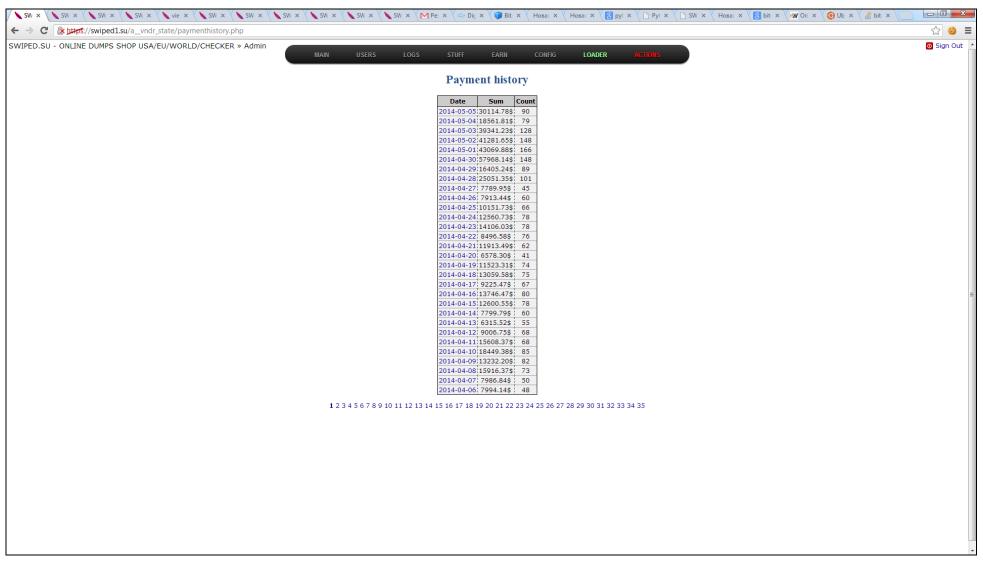
SWIPED order history.





SWIPED sales on May-01-2014 — more than \$50.000 in a day.

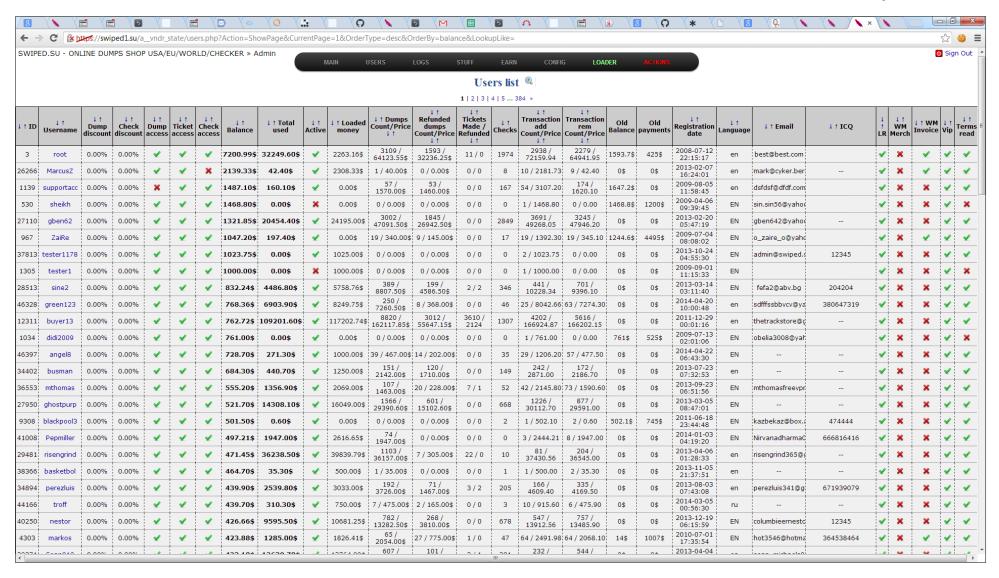




SWIPED users total payments by day.

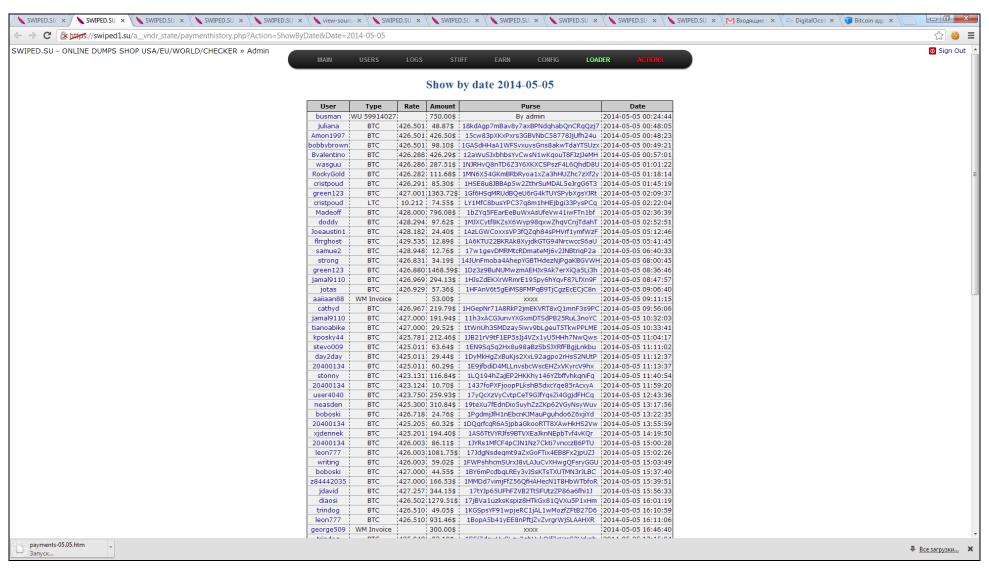
#### 107023, Russia, Moscow, 14-2 Mazhorov lane +7 (495) 984 33 64, info@group-ib.com, www.group-ib.com





SWIPED users.





SWIPED payments on May-05-2014.



# **4. Current SWIPED status**

After operation, SWIPED moved to new domain names swiped.su and approved.su, however backend IP-addresses stayed the same. New domain names were registered back in 2011 and now are delegated by Russian registrar «REGTIME». As of May-22-2014, SWIPED continues operating on these domain names:

domain:		SWIPED.SU
nserver:		ns1.nameself.com.
nserver:		ns2.nameself.com.
state:	REGISTERED,	DELEGATED
person:	Private	Person
e-mail:	<u> </u>	alexeycardov@yahoo.com
registrar:		REGTIME-REG-FID
created:		2011.12.17
paid-till:		2014.12.17
free-date:		2015.01.19
source:		TCI
domain:		APPROVED.SU
domain: nserver:		APPROVED.SU ns1.nameself.com.
nserver:	REGISTERED,	ns1.nameself.com.
nserver:	REGISTERED, Private	ns1.nameself.com.
nserver: nserver: state:	Private	ns1.nameself.com. ns2.nameself.com. DELEGATED
nserver: nserver: state: person:	Private	ns1.nameself.com. ns2.nameself.com. DELEGATED Person
<pre>nserver: nserver: state: person: e-mail:</pre>	Private	ns1.nameself.com. ns2.nameself.com. DELEGATED Person proved.su@allperson.ru
<pre>nserver: nserver: state: person: e-mail: registrar:</pre>	Private	ns1.nameself.com. ns2.nameself.com. DELEGATED Person proved.su@allperson.ru REGTIME-REG-FID
<pre>nserver: nserver: state: person: e-mail: registrar: created:</pre>	Private	ns1.nameself.com. ns2.nameself.com. DELEGATED Person proved.su@allperson.ru REGTIME-REG-FID 2011.12.17