

EVE[®]

FANFEST 2015

EVE FANFEST SPONSORS:



plantronics.



sensa



Please find the recording of the presentation here:
<https://www.youtube.com/watch?v=WBD7CL9oQgE>

EVE[®]

FANFEST 2015

BETTER SAFE THAN SORRY

CCP Security



CCP Security :: Who we are

EVE FANFEST 2015

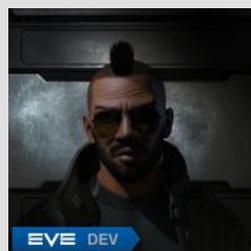
CCP Security

Team Security



CCP Grimmi
Security Analyst

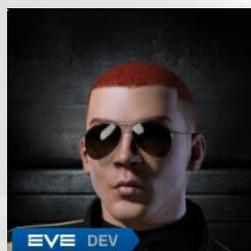
- With CCP since 2003
- Game Master, Customer Support Specialist and Payment Fraud Guardian since 2003
- Topics: Account Security, Payment Fraud, Anti-RMT Squad



CCP Peligro
Security Analyst

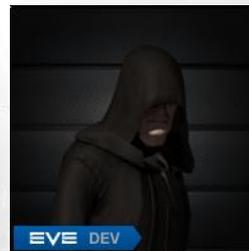
- With CCP since 2006
- Game Master 2006-2007, Internal Affairs 2007-2012, Team Security since 2012
- Topics: Game Data Analytics, Anti-RMT Squad

InfoSec



CCP Random
Security Engineer

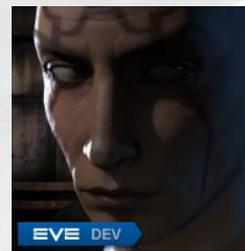
- With CCP since 2014
- IT-Security Professional since 2008
- Topics: Infrastructure Security and Secure Development, Incident Handling



CCP Bugartist
Director of Information Security

- With CCP since 2013
- Information-Security Professional since 2003
- Topics: Security Processes, Concepts and Guidelines, Wizard, Enablement

Internal Affairs



CCP Arkanon
Internal Affairs Manager

- With CCP since 2002
- LeadGM 2003-2007, IA 2007-
- Topics: Internal policies/processes/guidelines

Today's Agenda

EVE FANFEST 2015

- Introduction
- Security @ CCP
- Input Multiplexing/Broadcasting
- Team Security
 - Bans; Why, How, Where and Whom?
 - Real Money Trading
- SECRET PART
- Security Awareness

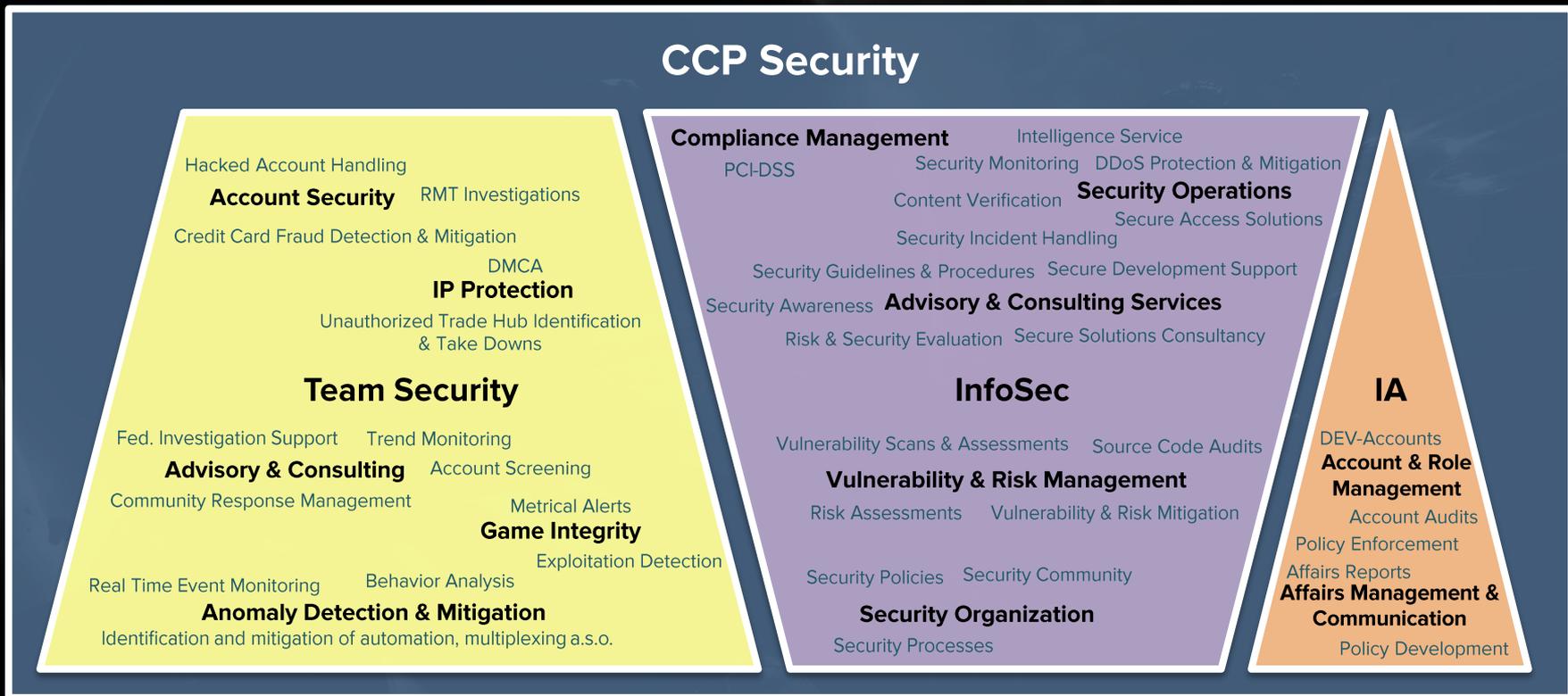
*For Q&A – Please join our Round Table in **Dodixie** right after this presentation!*

Security @ CCP

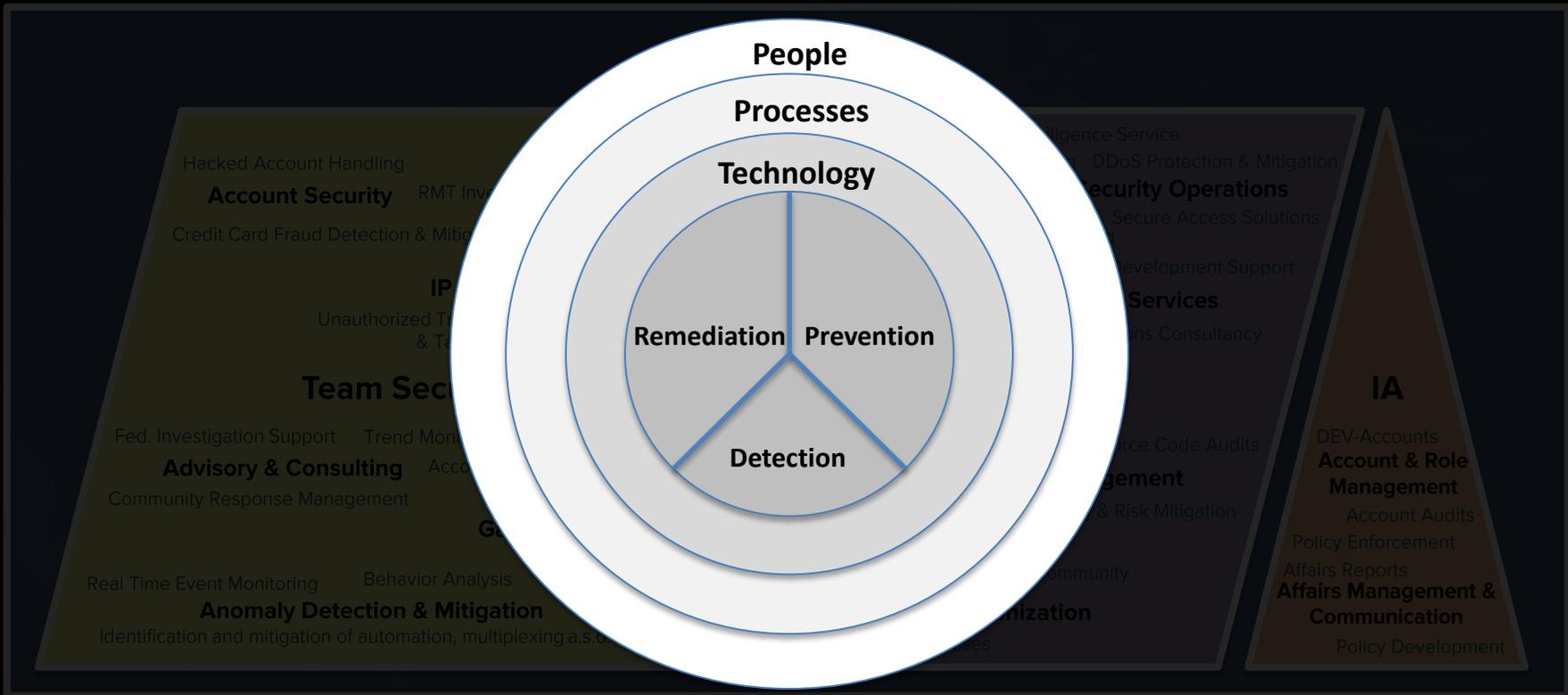
What, How and especially Why

CCP Bugartist

CCP Security



Security @ CCP :: What?



Security @ CCP :: Detection, How?

We

- Collect all information we are allowed to
- Correlate & Analyze it
- *Shake it*
- Generate Alerts & Trends

...and use it to improve our collection and detection capabilities.

We keep the universe in balance and protect Your Personal Information and Virtual Assets so that You can enjoy your journey through New Eden.

By Example :: Account Security

EVE FANFEST 2015

EVE | ACCOUNT MANAGEMENT

Turn on two-factor authentication

April 28th



Google Authenticator



Codes by email

EVE FANFEST 2015

- Just in case you missed the EVE Online Keynote...
- Yes, we will get Multi-Factor Authentication in April!

Input Multiplexing/Broadcasting

How we see it and why we address it

CCP Random

Multiboxing

Your input devices



1st input



unmodified
Eve Client 1

2nd input

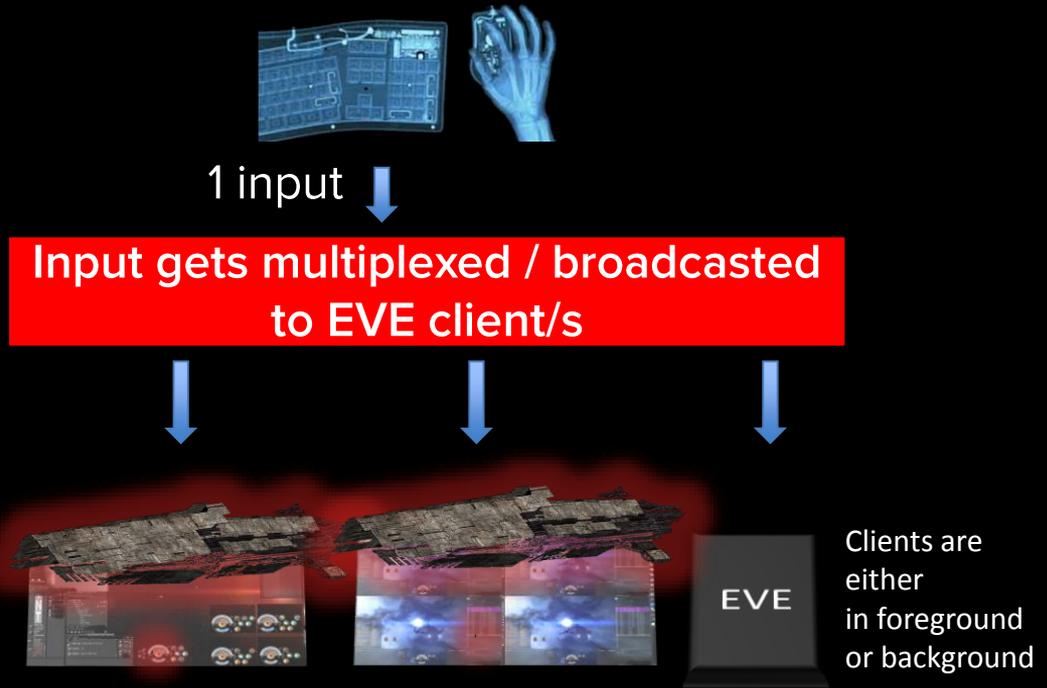


unmodified
Eve Client 2

- We define „Multiboxing“ as playing with two or more EVE clients at once
 - Sequential manual input
 - Unlimited number of clients
 - Unlimited number of computers
 - Individually controlled gameplay
- Multiboxing is allowed
 - The interaction speed and accuracy is depending on a human player
 - Competition based on the same preferences
 - Teamplay matters

Input Multiplexing / Broadcasting

- Any approach to multiply or broadcast a single input to EVE client/s is considered Input Multiplexing
 - The method does not matter (software or hardware)
- This is prohibited for actions with consequence to the EVE universe *such as*:
 - Activation and control of ship modules
 - Navigation and movement within the EVE universe
 - Movements of assets and items within the EVE universe
 - Interaction with other characters
- Allowed *for example*:
 - EVE Online settings synchronization
 - EVE client window alignment
 - Login process



„Is Roll-Over allowed, where you inject Macros into the EVE client as overlaid controls?“

„Is Round-Robin Input Multiplexing allowed, with individual delays?“

„Can I have 1 pixel wide squares as invisible overlays?“

All of this is covered by our EULA, in our Third Party Policies:

“You may not use your own or third-party software to modify any content appearing within the Game environment or change how the Game is played.”

No EULA change

„What about community tools using CREST/EVE API?“

API tools do not automate gameplay.
Therefore they are fine as long as the API isn't used in conjunction with actions, which are not allowed.

„What about touch-screens with gesture based system overlays for the fingers?“

For multiple clients, this is Multiboxing.
Touch screen systems are not excluded as platforms for EVE.

Rule visualization

Refer to the Botting and Macro statistics. You might already be in there.

Nightmare7
Nightmare8
Nightmare5
Nightmare3
Nightmare2
Nightmare6

Do you use botting tools?

Do you use recorded or replayable input sequences (Macros) to play EVE

Do you run multiple EVE clients?



Great!

- Activation and control of ship modules
- Navigation and movement within the EVE universe
- Movements of assets and items within the EVE universe
- Interaction with other characters
- { ... }

Do you use Input Multiplexing?

- EVE Online settings synchronization
- EVE client window alignment
- Login process
- { ... }

Statistical impact of the announcement

Accounts used for Input Multiplexing / Broadcasting



Thank you for the reports!

Accounts

Players

For Input Multiplexing / Broadcasting

Detection approach change at the end of January

- Based on BigData

Team Security

Bans; Why, How, Where and Whom?

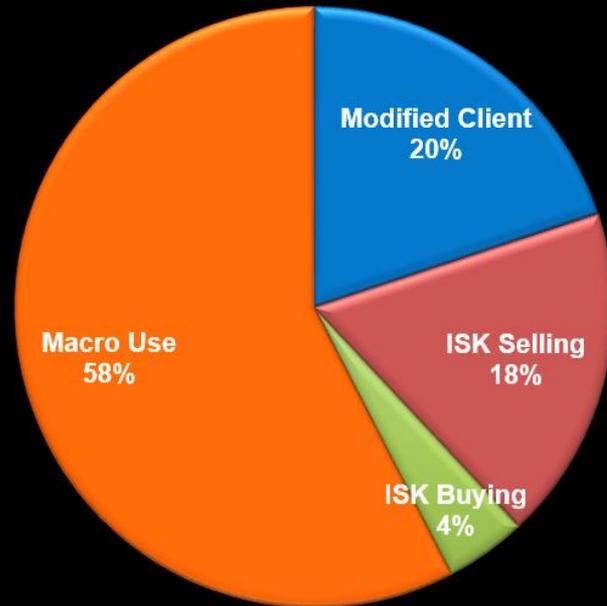
Real Money Trading

CCP Peligro & CCP Grimmi

BANS

BANNED ACCOUNTS

Types of bans by Team Security
January 2013 - April 2014



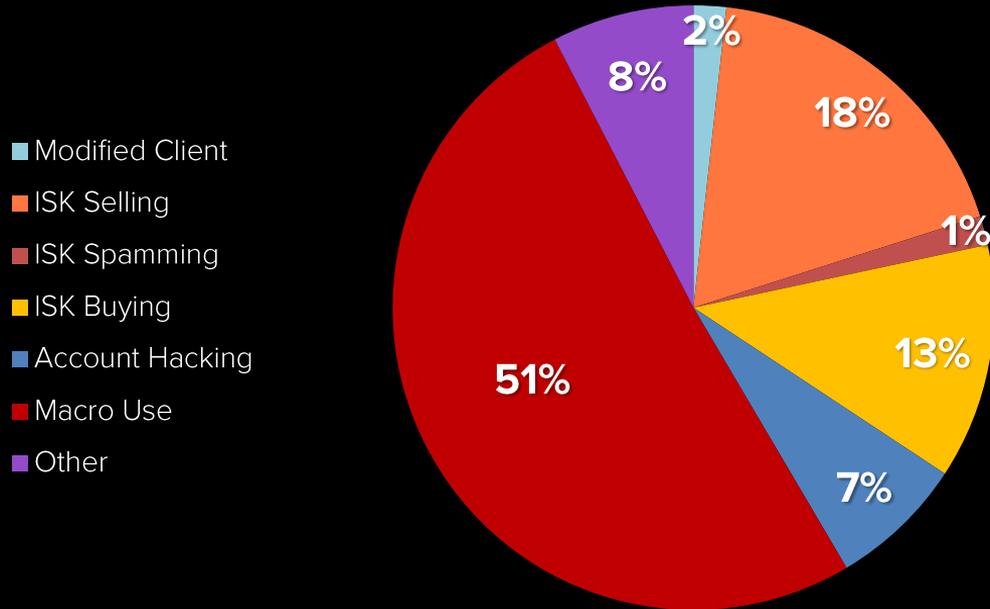
■ Modified Client ■ ISK Selling ■ ISK Buying ■ Macro Use

Monthly average
1,888



BANNED ACCOUNTS

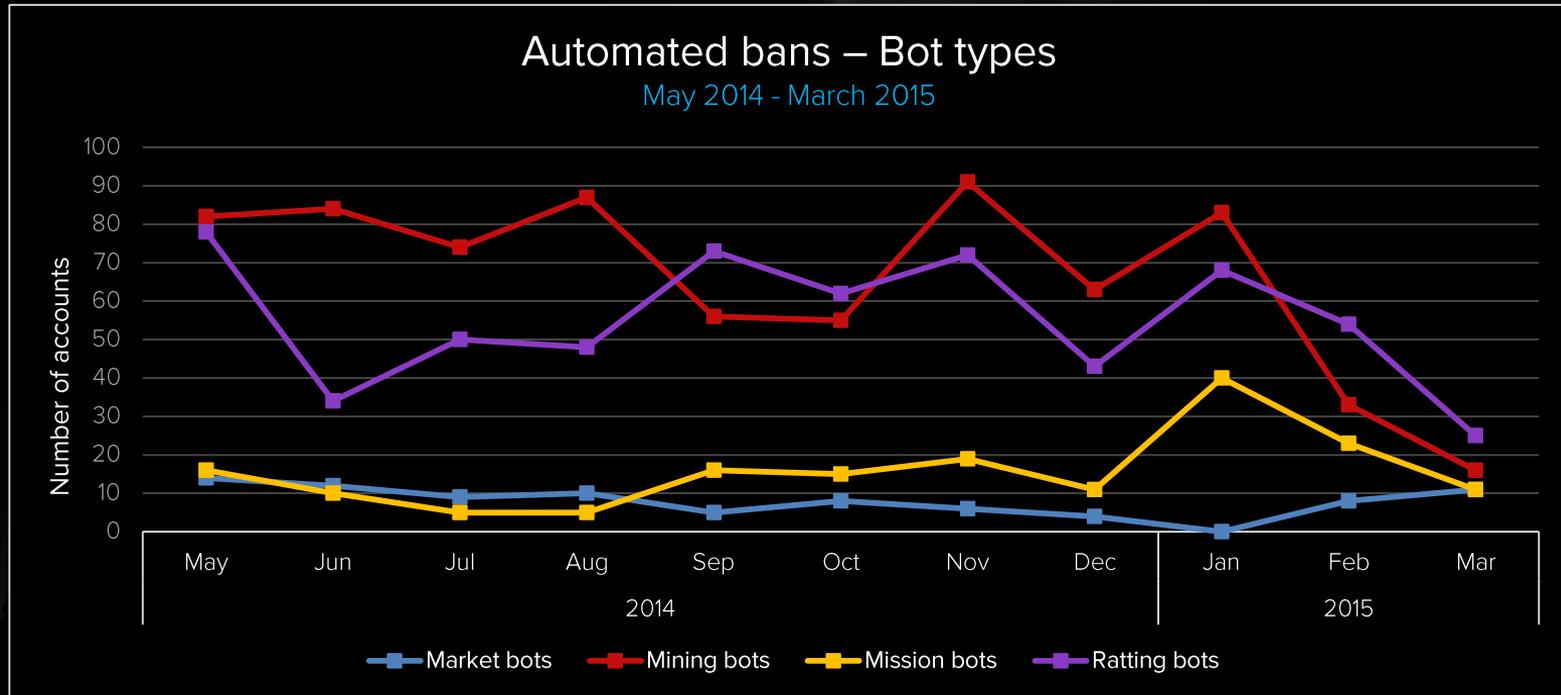
Types of bans by Team Security
May 2014 - March 2015



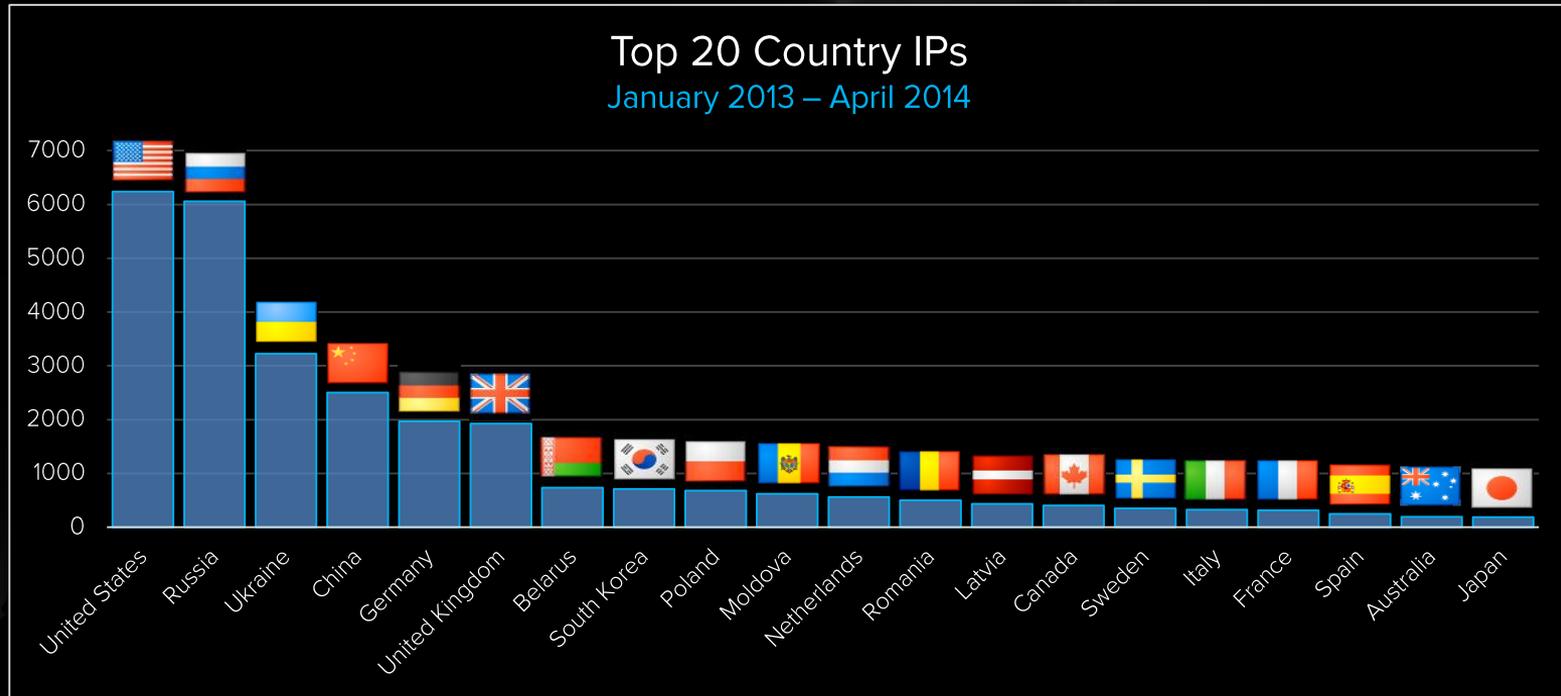
Modified Client	232
ISK Selling	2,430
ISK Spamming	206
ISK Buying	1,667
Account Hacking	959
Macro Use	6,735
Other	1,010
Total:	13,239

Monthly average
1,394

BANNED ACCOUNTS

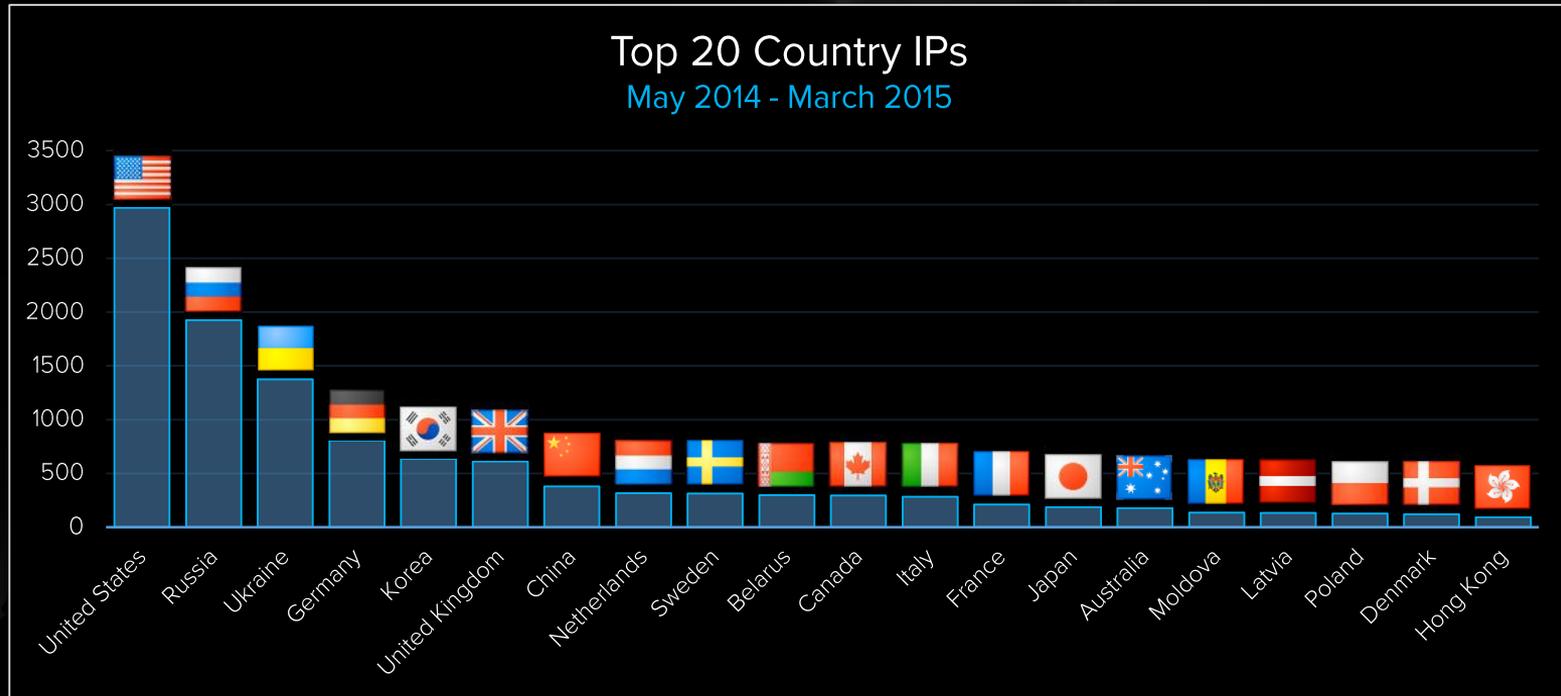


BANNED ACCOUNTS



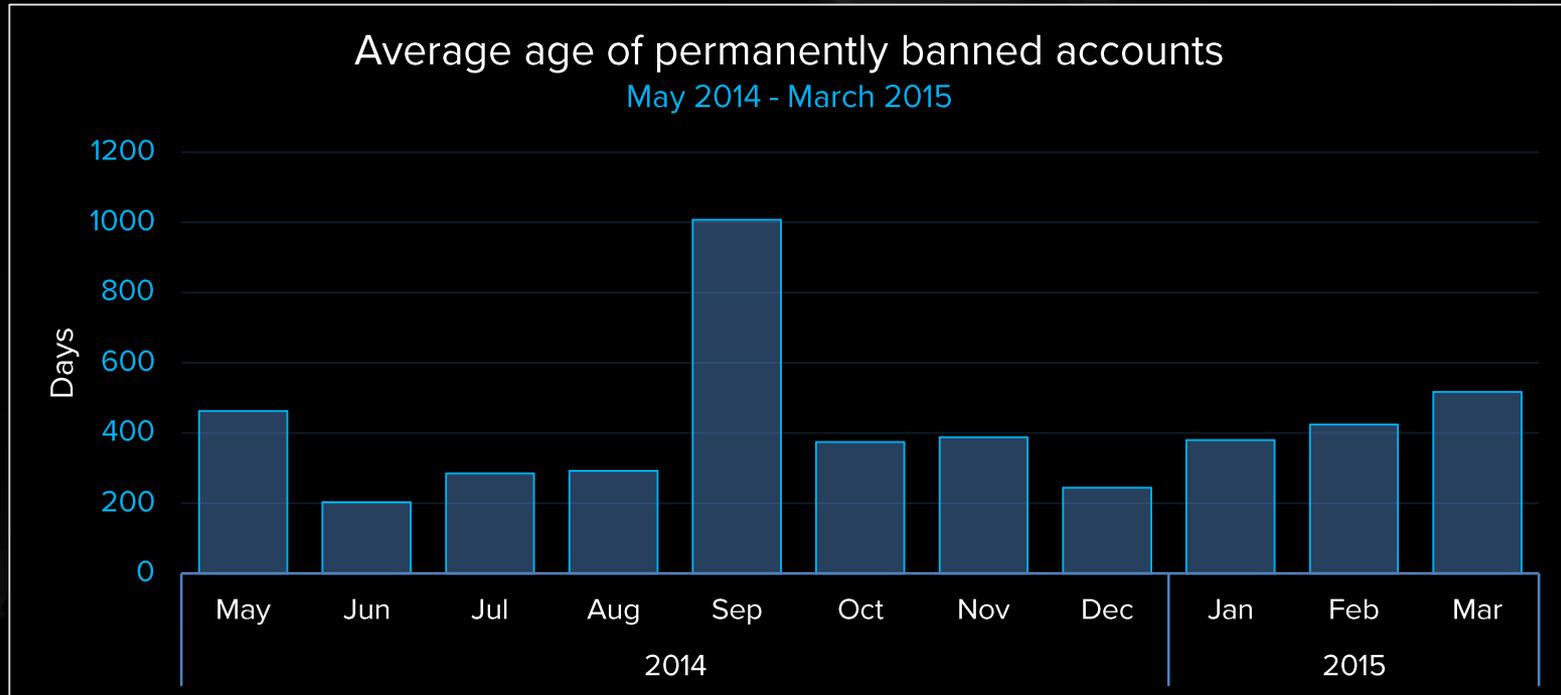
This is pure tech info, connection IP does not necessarily represent the nationalities of the players.

BANNED ACCOUNTS

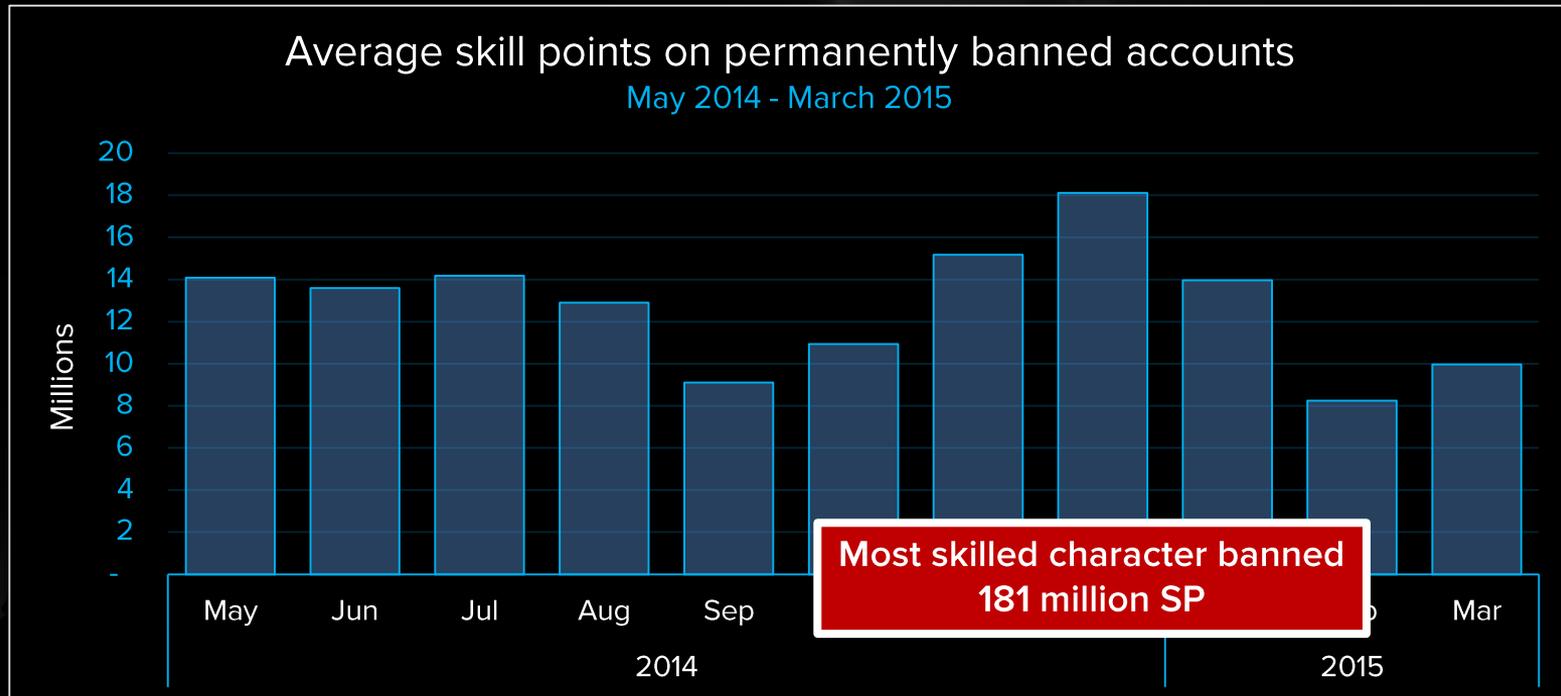


This is pure tech info, connection IP does not necessarily represent the nationalities of the players.

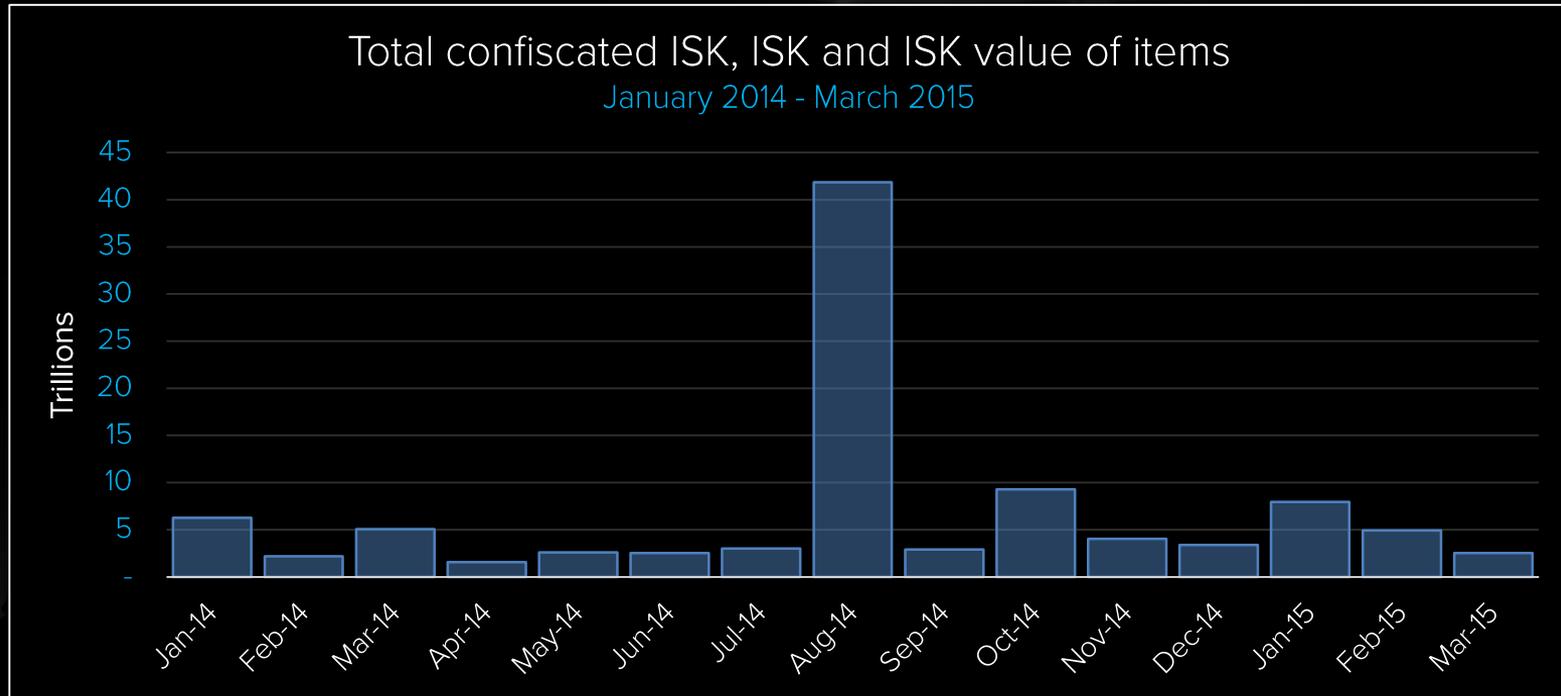
BANNED ACCOUNTS



BANNED ACCOUNTS

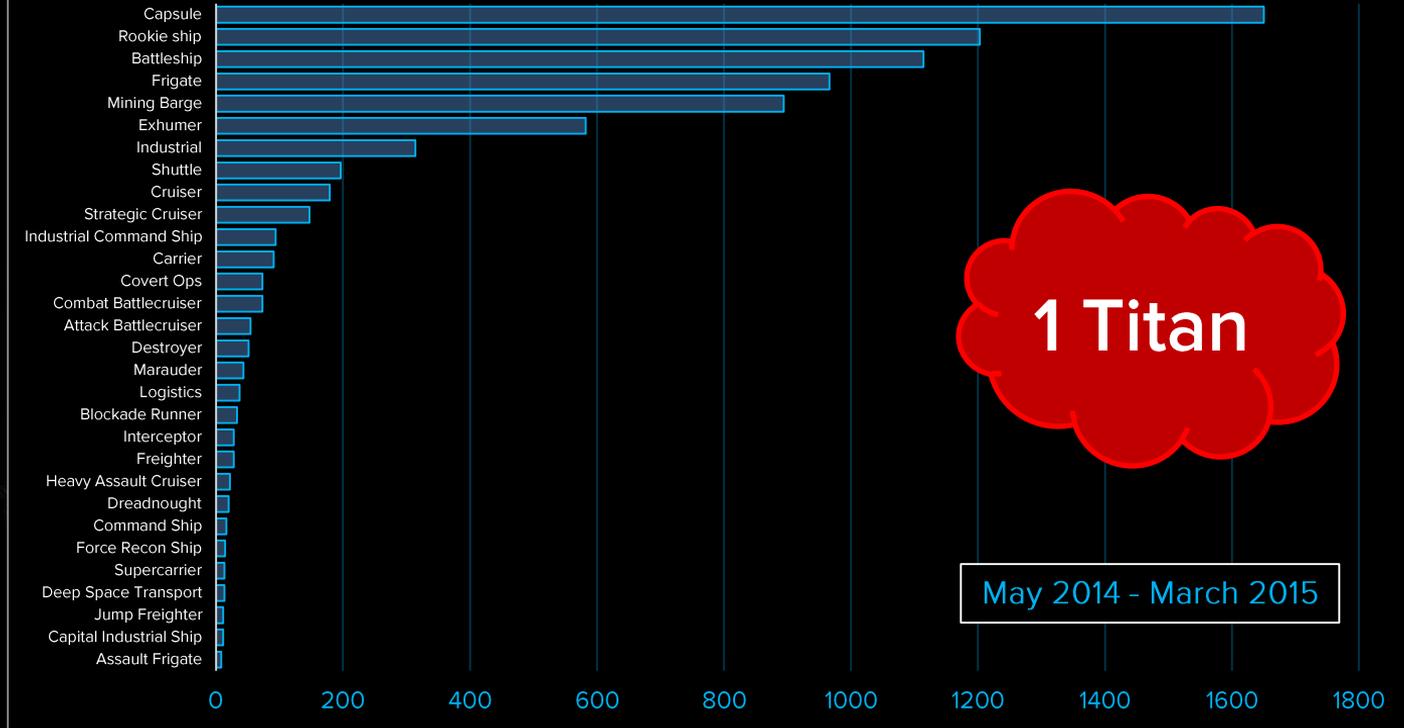


BANNED ACCOUNTS



BANNED ACCOUNTS

Top 30 ship types on permanently banned accounts



BANNED ACCOUNTS

EVE FANFEST 2015



BANNED ACCOUNTS

EVE FANFEST 2015



BANNED ACCOUNTS

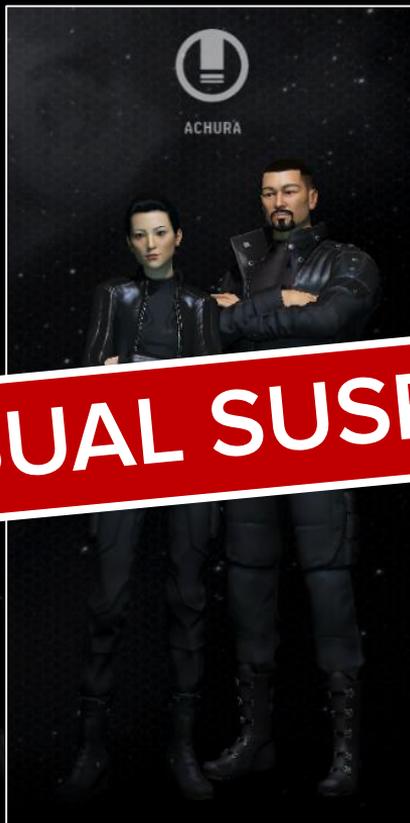
Most popular bot mining ships

May 2014 – March 2015



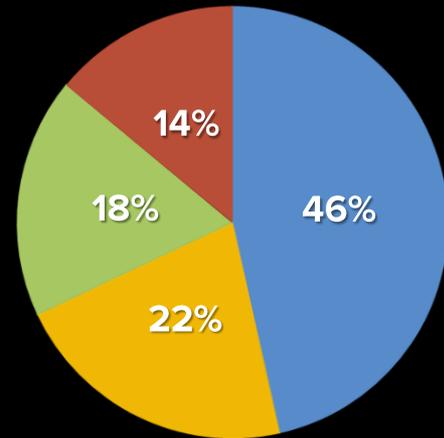
BANNED ACCOUNTS

EVE FANFEST 2015



THE USUAL SUSPECTS

Races/bloodlines
used for botting
May 2014 – March 2015



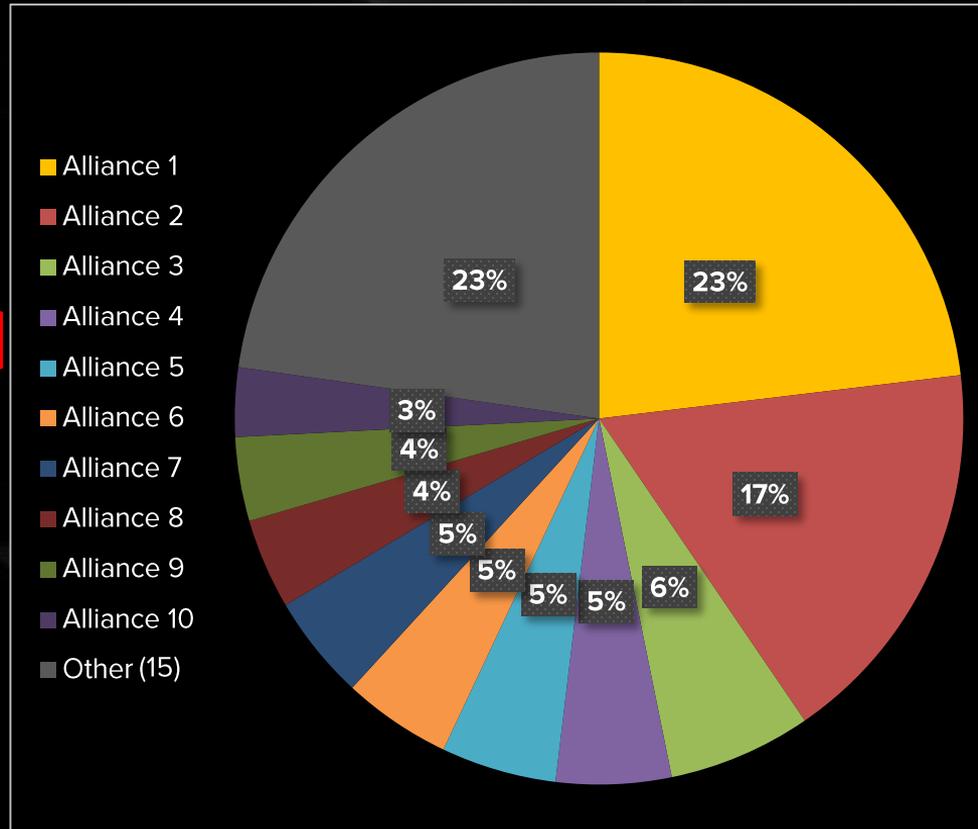
■ Caldari ■ Amarr ■ Gallente ■ Minmatar

BANNED ACCOUNTS

Banned accounts by Alliance

May 2014 – March 2015

The top 3 are all well known renter alliances

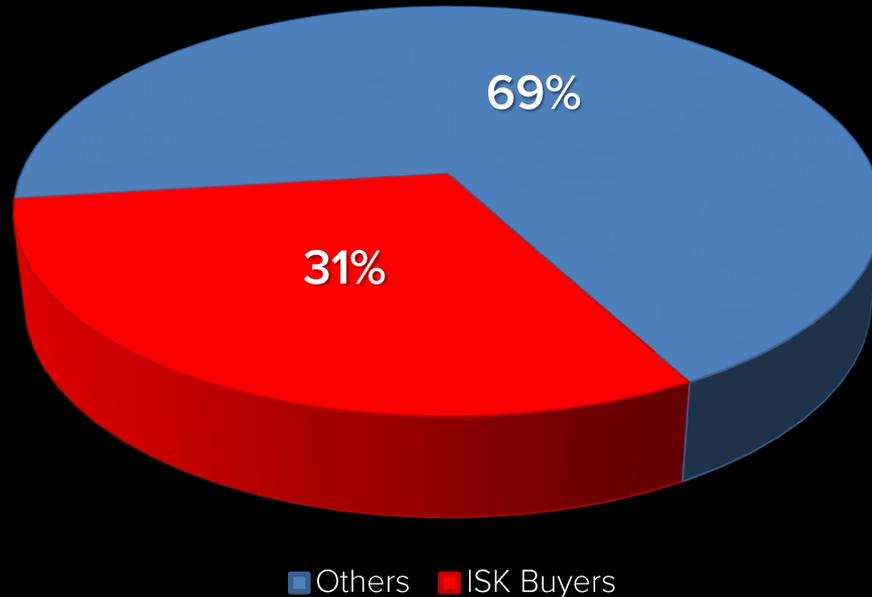


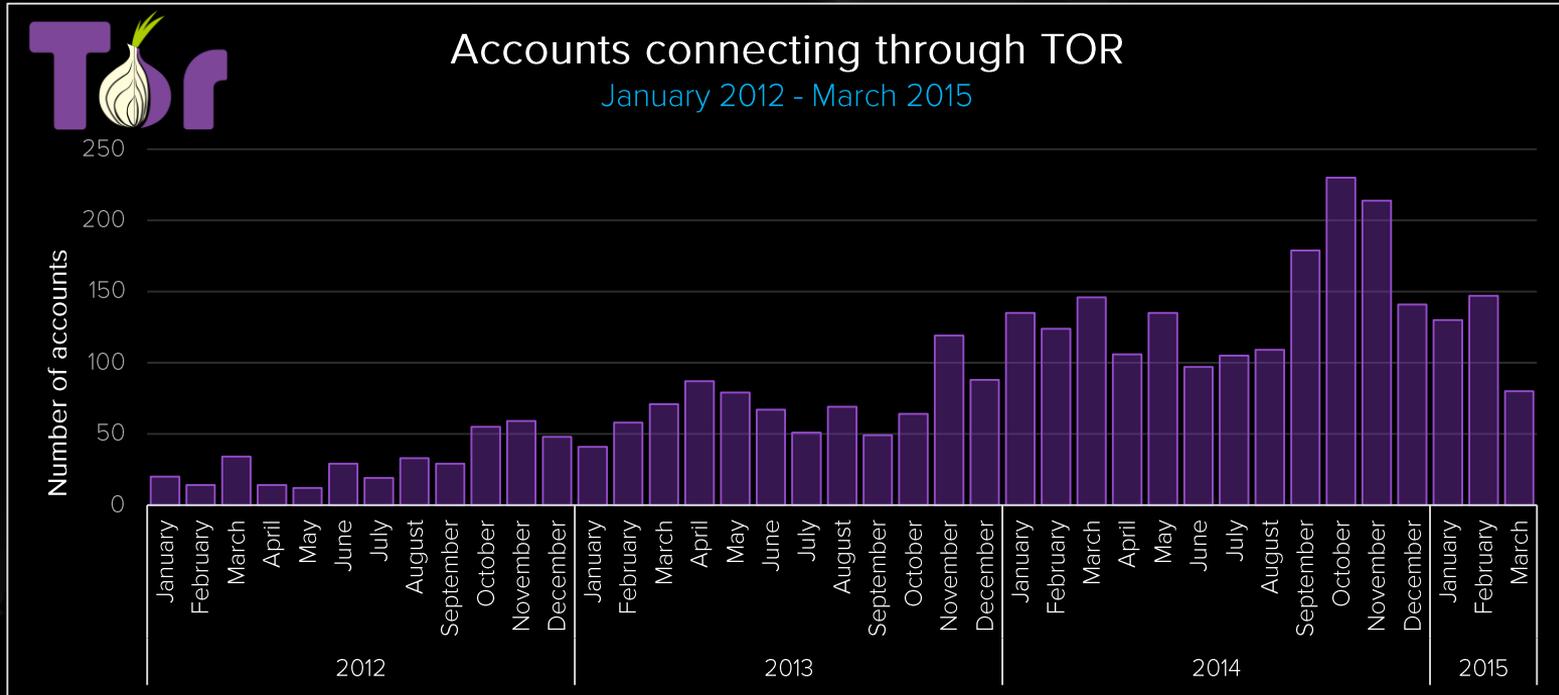
ISK BUYERS



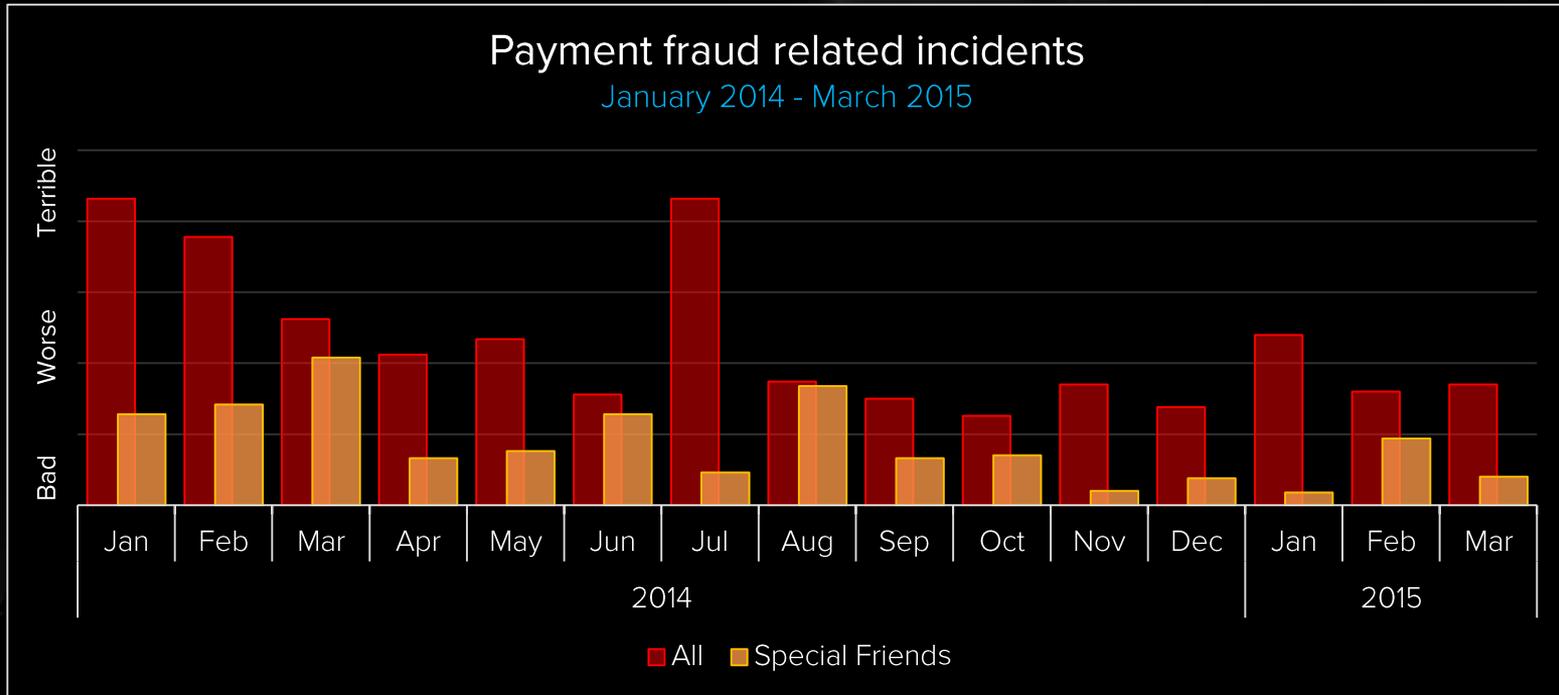


ISK Buyers percentage of hacked accounts
May 2014 – March 2015



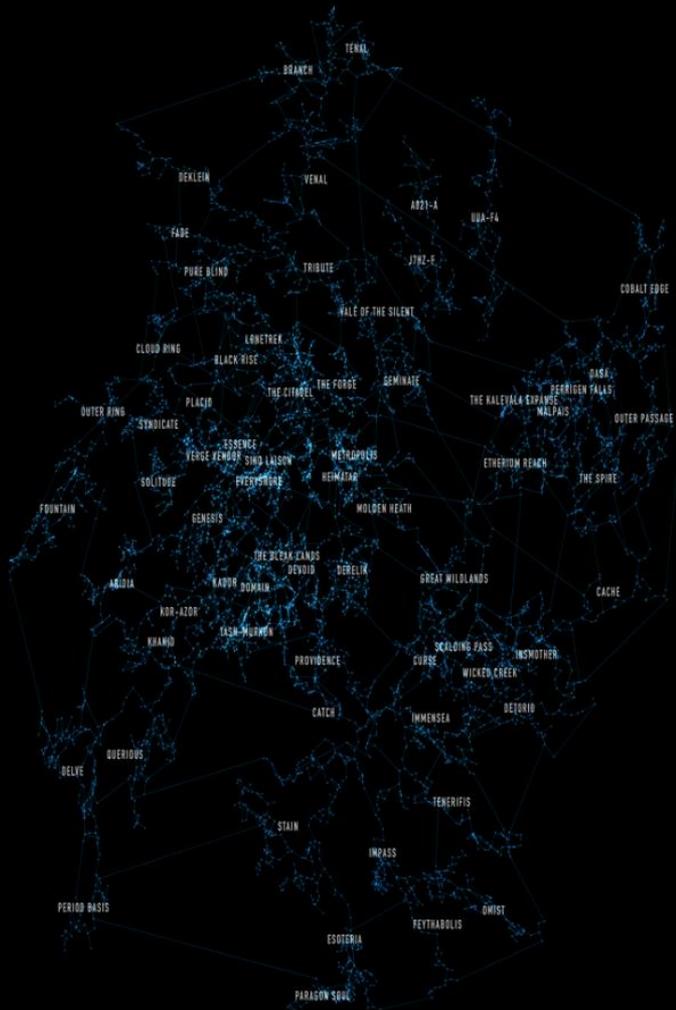


PAYMENT FRAUD



HEAT MAPS

EVE World Map

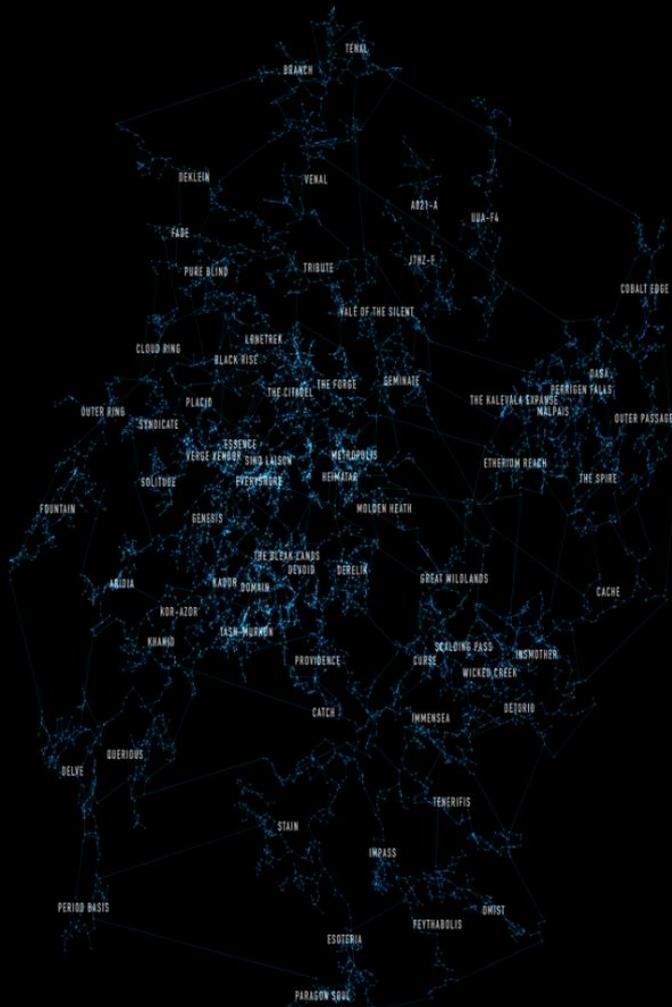


Bots banned by region

Combat bots



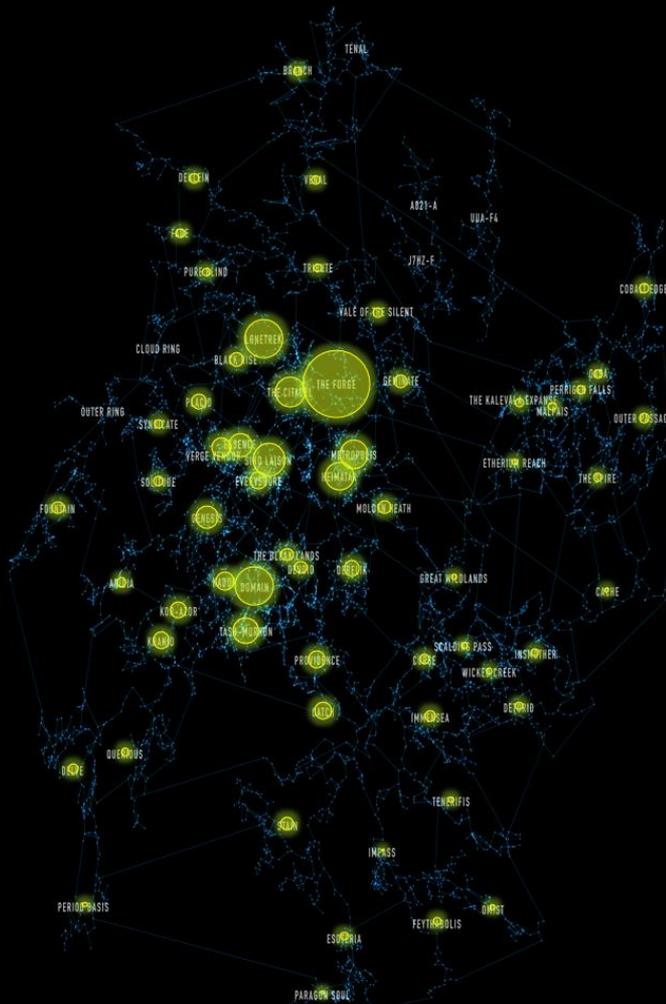
ISK Buyers by region



ISK Buyers by region

\$

May 2014 – March 2015



Secret Part

?

The Nosy Gamer

Tuesday, March 17, 2015

Fanfest 2015: Presentations of Interest

An easy post for any blogger here in Reykjavik to write is one on which Fanfest events we intend to attend. I have taken the Golden Circle tour twice and I recommend it to anyone who comes to attend Fanfest. The pub crawl? I'm getting too old for that. So this year, my post is just about the presentations I plan to attend.

I know that a lot of people make a big deal about attending the round tables. Quite frankly, I usually find them a waste of time, so I only go if none of the main rooms have an event I want to attend. Well, except for the Security one, but I have a special interest in that subject.

So here are the presentations I tentatively plan on attending this year...

months I've tracked since the beginning of 2013. In comparison, the amount of ISK sold only increased in January year-over-year from 1130 billion ISK in 2014 to 1224 billion ISK in 2015.

March 12, 2015

There's ISK, And Then There's ISK

I'm a bit more excited about purchasing products at the Fanfest store not just because of some of the selections, but due to the change in the exchange rate for the U.S. dollar and the Icelandic krona (ISK). Last year at the Fanfest, the exchange rate according to Oanda was 112.35 ISK to the dollar. This year, the rate was 136.73 ISK to the dollar.



I could use some more glasses

2015. That means that CCP changed the rules and that input broadcasting was allowed before that, right? So then, how could CCP Falcon go on EVE Radio's GRN Show on 25 January and state that nothing in the EULA had changed?

Black Market ISK

Black Market ISK

A View From The Outside

by Nosy Gamer

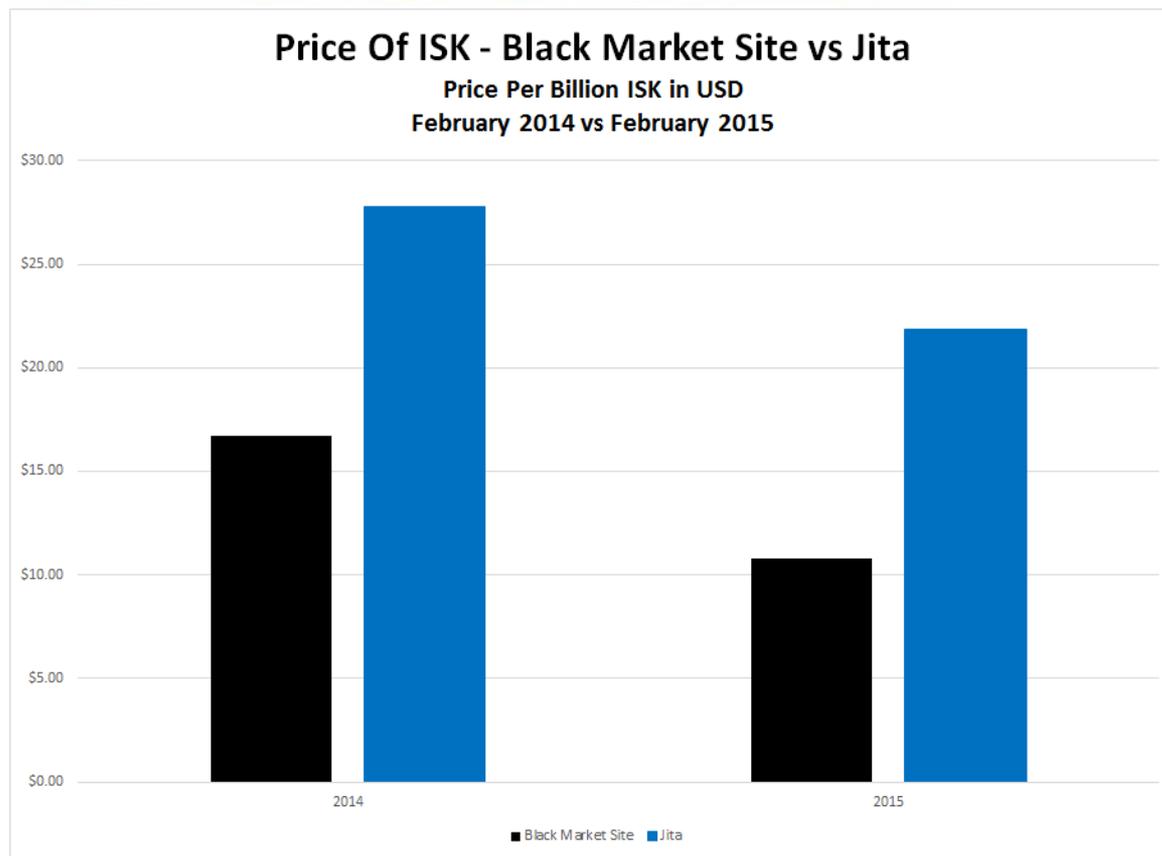
<http://nosygamer.blogspot.com>

How We Observe CCP's Strategy

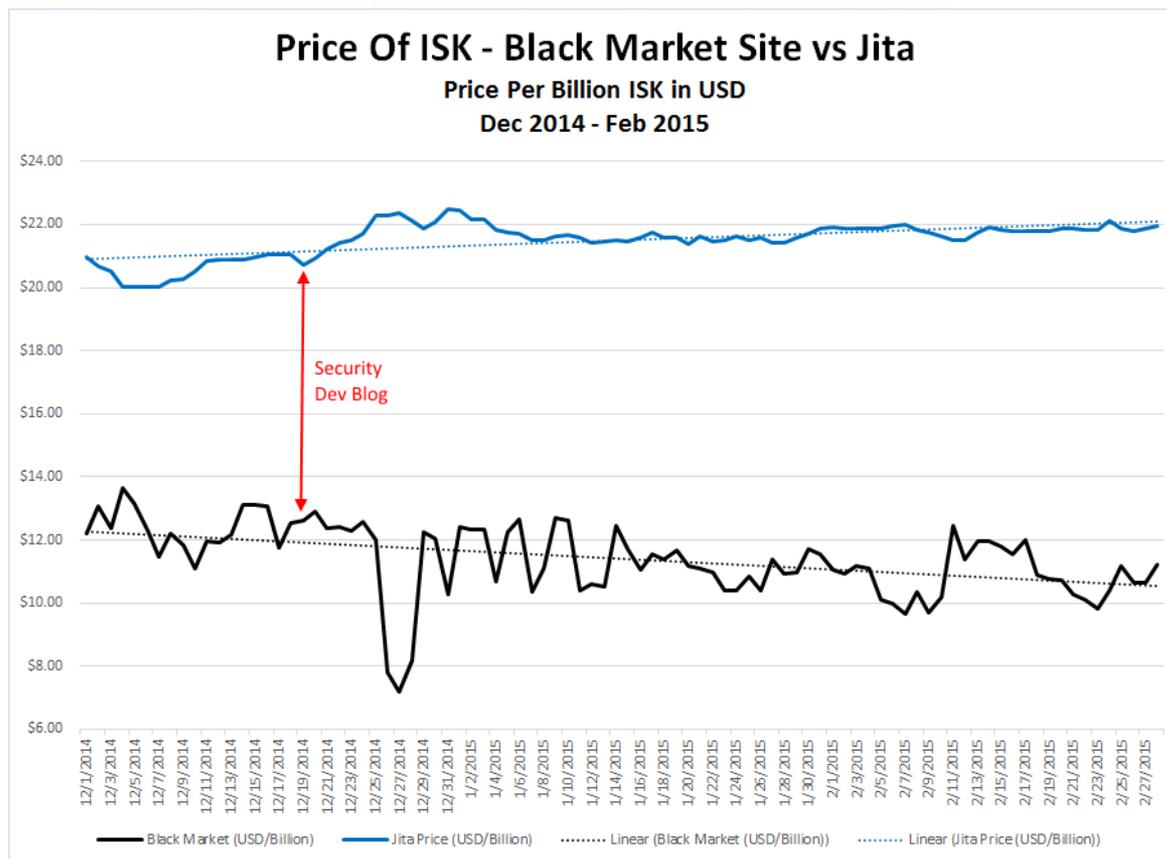
- Top Down
- Bottom Up
- Get Out

Black Market ISK

Top Down – The Hazard Discount



Black Market ISK Top Down – Rules



Black Market ISK

Bottom Up – Rules of Botting

■ Re: How safe is this bot? 2 Months ago

Karma: 4  

rules of eve, don't fly what you can't afford to lose. nothing different here, don't use a pilot you cannot afford to lose.

Bot is currently down. The bot itself is perfectly safe, it is the players that are the threat to it (both yourself and other players)

You don't set it up right and it acts like a bot, its busted. You make foolish isk transfers, busted. Other players try to interact with it and report it as a bot, busted.

■ Re: How safe is this bot? 2 Months ago

Karma: 4  

after you lose 10-20 accounts you learn a thing you two... 😊

Black Market ISK

Bottom Up – Denial

Description

1 billion isk per \$9.50, chunk discounts offered as well...all isk is made by hand with no botting etc.



100% safe delivery from top EVE gamers. NO BOTS INVOLVED. BULKY Offer NEW



\$21.50

for 2,000M ISK

24 Hours

Feb-22

[Buy Now](#)

\$1= 93M ISK

Description

WELCOME everyone. We are small group of professional farmers who making absolute legal isk's since 2008 year. Here you purchase isk's exactly from farmers bypassing dealers, for best prices.

I am new on this site but with big experience in isk selling. I can guarantee fast and as possible safe delivery.

My trading hours are from 6am to 10pm GMT **(Greenwich Mean Time)**

PLEASE if you need immediate delivery, be sure that i am online and ready to make a deal, also your character must located in Jita system.

NOTE

WE KNOW PERFECTLY THE GAME !!!

EVERYTHING IS DONE IN MAX SECURITY !!!

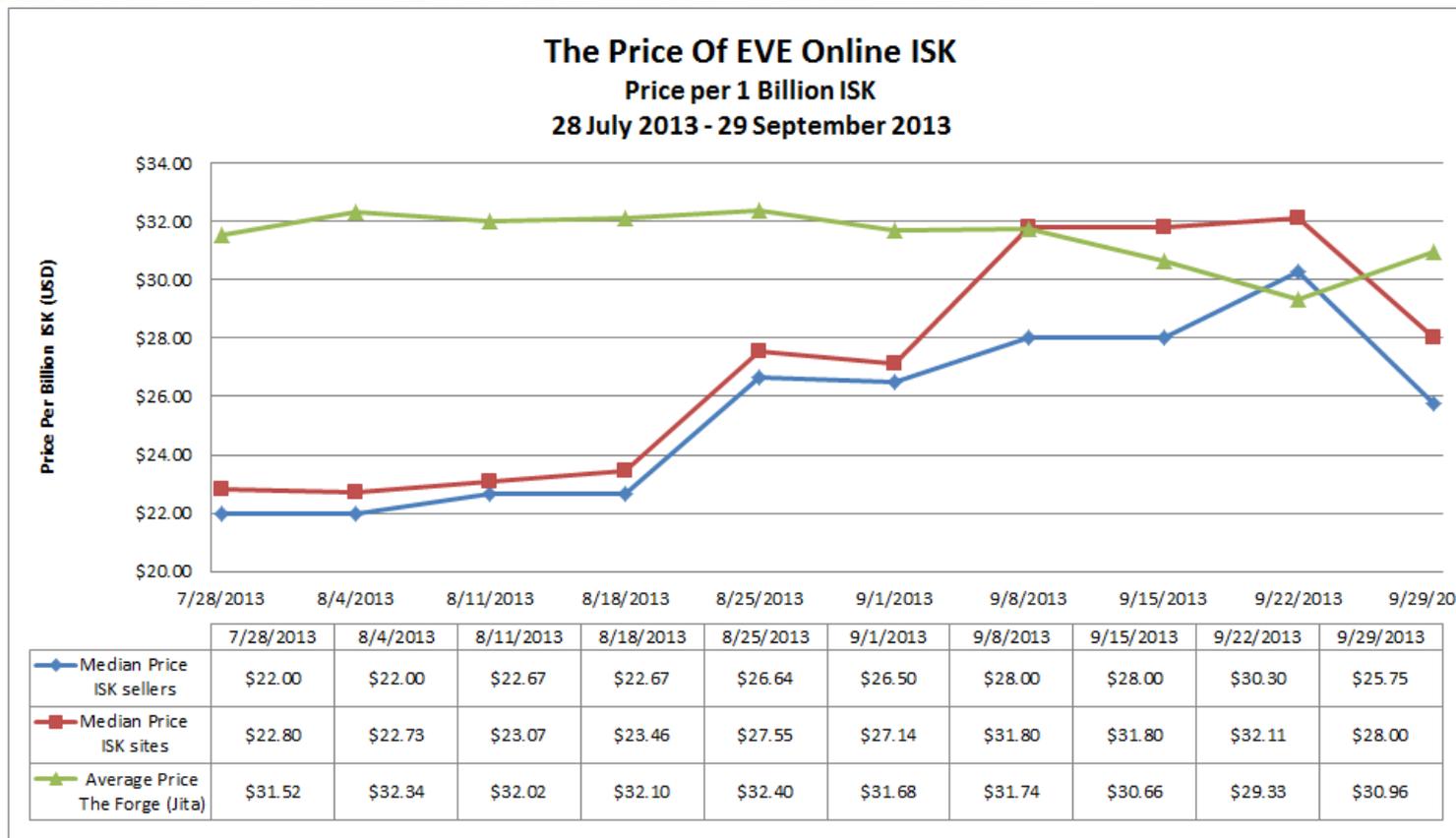
TOTALLY EUROPEAN TEAM !!! WE RESPECT ALL THE EVE ONLINE - CCP RULES !!!

WE CAN ENSURE THE MAXIMUM SAFETY !!!

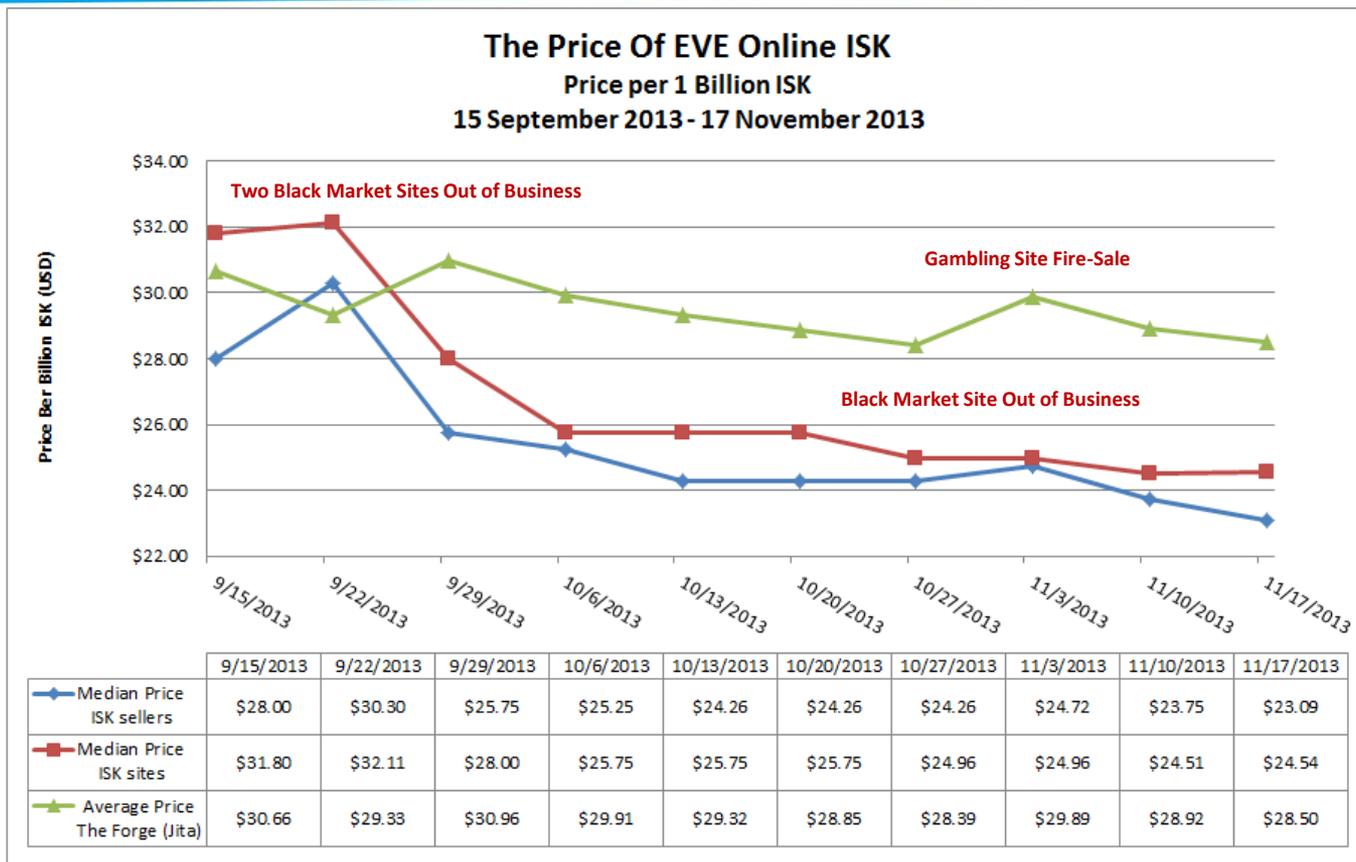
CONTACT US IF YOU NEED MORE INFO OR HAVE ANY QUESTION !!!

Black Market ISK

Top Down – Bottom Up



Black Market ISK Get Out



Black Market ISK

Inside Out – Results

Any decent shops to sell isk to?

I've been searching for a decent MMO currency shop (or at least EVE isk shop) for weeks, but it looks like most shops which can be easily googled fall to one of the following categories:

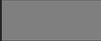
- chinese and russian shops which are [probably] used to deal with dirt poor farmers, who can work for a bowl of rice daily (i.e. shops which offer ridiculously low price, selling at 2.5x-3x higher price themselves);
- shops which deal in currencies of lots of MMORPGs; in most cases they have no real isk buyers - you can wait for days until some client actually comes;
- some weird "middleman" sites which let you trade directly to customers at normal price, but then again you have to stay online and wait to be ready for deals anytime, which isn't really good;
- some even more weird sites (mostly chinese as well), which occupy multiple domain names, obviously belonging to the same owner - "live support" there is more like dead support, nobody answers to your questions... these are probably one-off scam sites.

So my question is: does anybody know any good european / american shops which actively trade in EVE online, and offer their suppliers some decent price, at least \$7.5 / 6 euro per billion?

Black Market ISK

Don't Buy Black Market ISK

CHEAP isk from farmers. Fast safe and for good prices. **NEW**  **\$22.00** for 2,000M ISK 2 Hours Feb-21 [Buy Now](#)
\$1= 90M ISK

 **Negative** DO NOT PURCHASE FROM SELLER!!! HE HAS BEEN FLAGGED BY CCP U WILL GET BANNED!!
2,000M EVE ISK Buyer:  (11)  

Reply: One from our snail group was caught. It happens nobody can guarantee full safety

Don't Risk YOUR Money and YOUR Accounts!

Security Awareness

Policy re-cap

Real Money Trading

Awareness Success Story

Sov changes by Team Security

CCP Peligro & CCP Grimmi

AWARENESS

Policy re-cap

Macro use

EULA 6.A.

2. You may not use your own or third-party software to modify any content appearing within the Game environment or change how the Game is played.

Two strike botting policy:

1st strike - 30 day ban, removal of botting proceeds + permanent character transfer-lock

2nd strike - Permanent ban

Two strike ISK buying policy:

1st strike - 7 day temporary ban and confiscation of ISK

2nd strike - Permanent ban

Client modification or involvement in RMT sales:

Zero tolerance - permanent ban on first offense.

<https://community.eveonline.com/support/policies/>



not this

CHEAP isk from farmers. Fast safe and for good prices. **new**  **\$22.00**
for 2,000M ISK 2 Hours Feb-21 [Buy Now](#)
\$1= 90M ISK

 **Negative** **DO NOT PURCHASE FROM SELLER!!! HE HAS BEEN FLAGGED BY CCP U WILL GET BANNED!!**
2,000M EVE ISK Buyer:  (11)
Reply: One from our small group was caught. It happens nobody can guarantee full safety  

this



PLEX STORE
BUY PLEX, USE PLEX SERVICES, TRADE PLEX FOR ISK

PLEX

The advertisement is set against a dark blue space background with a large, detailed spaceship in the center. To the right of the spaceship is a glowing yellow PLEX token. The text 'PLEX STORE' is in large white letters, and 'BUY PLEX, USE PLEX SERVICES, TRADE PLEX FOR ISK' is in smaller white letters below it. The PLEX token has the word 'PLEX' in white on a yellow background.

<https://secure.eveonline.com/PLEX/>

The screenshot shows the 'ACCOUNT MANAGEMENT' section of the EVE website. It features a navigation bar with 'EVE' logo, 'ACCOUNT MANAGEMENT', and a 'Log In' button. Below the navigation bar are links for 'Account', 'Game Time', 'PLEX', 'Services', 'Buddy Program', 'Support', and 'Fanfest 2015'. The main content area is titled '3rd Party Retailers' and includes a paragraph explaining that many players use PLEX Activation Codes for game time. Below this, there are two columns of retailer cards, each with a logo, name, location, and website URL. The retailers listed include Amazon.com, BattleClinic, BattleClinic Deep Space Supply, EPIC Кавказ, EVE Codes, EVE BUY TIME CODE, EVE Radio Time Codes, EVE TIME CODE, EVE TIME CODE, GameCards, GAMAZART, GREENMAN GAMING, Greenman gaming, GAMESGATE, Ignoshop, Marked Dragon Game Codes, PC GAME SUPPLY, Sinclair Software, Sinclair Software, Steam, and 1С-СофтКлаб. At the bottom, there is a section for 'Wholesale Distributors' with a note about bulk purchases and two distributor cards: TripleACodes and Xcel.

3rd Party Retailers

Many of our players subscribe to EVE directly, however, some prefer to pay for their game time using other methods, such as PLEX Activation Code. This page lists the websites and services that offer EVE Starter Packs and PLEX Activation Code. Remember you can also [trade PLEX Activation Code](#) with other players of EVE PLEX.

	Amazon North America http://www.amazon.com		BattleClinic: Deep Space Supply Worldwide http://www.battleclintc.com
	EPIC Кавказ Russia http://epic-kavkaz.ru		EVE Codes Worldwide http://www.eve-codes.com
	EVE Radio Time Codes Worldwide http://www.eve-radio-codes.com		eve-time-code.com Worldwide http://www.eve-timecode.com
	Gamazart Russia http://www.gamazart.ru		GameCards Worldwide http://www.gamecards.eu
	Gamesgate Worldwide http://www.gamesgate.com		Greenman gaming Worldwide http://www.greenmangaming.com
	Ignoshop Russia http://www.ignoshop.com		Marked Dragon Game Codes Worldwide http://www.markeddragon.com
	PCGame Supply Worldwide http://www.pcgamesupply.com		Sinclair Software Germany http://www.sinclair-software.de
	Steam Worldwide http://www.steam.com		Мирозам, 1С-СофтКлаб Russia http://shop.1c.ru/eve/index

Wholesale Distributors

If you are looking to buy EVE Time Codes or Starter Packs in bulk, please contact one of our authorized wholesalers:

	TripleACodes English website (B2B) http://www.tripleacodes.com		Xcel English website (B2B) http://www.xcel-eve.com
--	--	--	--



I'M CCP GUARD
AND I APPROVE THIS MESSAGE

Success story

Accounts used for Input Multiplexing / Broadcasting



Accounts

Players



sneaky trolls

Local:

[01:29:18] broadcast suspect1 > gf
[01:29:18] broadcast suspect2 > gf
[01:29:18] broadcast suspect3 > gf
[01:29:18] broadcast suspect4 > gf
[01:29:18] broadcast suspect5 > gf
[01:29:19] broadcast suspect6 > gf
[01:29:19] broadcast suspect7 > g f
[01:29:19] broadcast suspect8 > gf
[01:29:19] broadcast suspect9 > gf
[01:29:20] broadcast suspect10 > gf
[01:29:23] broadcast suspect11 > gf
[01:29:28] broadcast suspect12 > gf
[01:29:33] broadcast suspect13 > gf

Fleet:

[17:29:11] another broadcast suspect3 > would you look at that

Local:

[17:29:17] another broadcast suspect1 > would you look at that
[17:29:17] another broadcast suspect2 > would you look at that
[17:29:18] another broadcast suspect3 > would you look at that
[17:29:18] another broadcast suspect4 > would you look at that
[17:29:18] another broadcast suspect5 > would you look at that
[17:29:19] another broadcast suspect6 > would you look at that
[17:29:19] another broadcast suspect7 > would you look at that

Thanks for all the reports!



Some basic tips on how to spot RMT

AWARENESS



wtf !?!

hi
Thanks
have an nice day
Able to come?
ok ??
Please wait
View your warehouse
??
Why not accept the ?
Twice docking
You can be sold separately
Another gives you
You can go to jita come?
1000Million
Fastest boat
how jumps *

Dodgy RMT operative



* actual chat logs of banned RMT operatives

AWARENESS

EVE FANFEST 2015

The screenshot shows a character profile for 'Valued EVE Customer' with a portrait of a man with a mustache. A contract window is open, displaying the following details:

Contract	
	30 Day Pilot's License Extension (PLEX) x 2 (Item Exchange)
Info by Issuer	Lottery *wink wink*
Type	Item Exchange
Issued By	Evil RMT Dude
Availability	Private - Valued EVE Customer
Status	Outstanding
Location	Polaris VII - TEAM SECURITY CLUBHOUSE
	Current Station
Date Issued	2015.03.16 15:32
Expiration Date	2015.03.17 15:32 (23 hours)
You Will Get	0 ISK
You Will Get	30 Day Pilot's License Extension (PLEX) x 2
	Accessories / Game Time

Buttons: Accept, Reject, Close

CCP and authorized retailers do not...

Issue contracts with
ISK/PLEX or other items

It's NOT safe!

Don't be that guy

AWARENESS

EVE FANFEST 2015



CCP and authorized retailers do not...

Drop stuff in
containers in space

It's **NOT** safe!

Don't be that guy

AWARENESS

EVE FANFEST 2015



CCP and authorized retailers do not...

Leave a ship in space
for you to board

It's NOT safe!

Don't be that guy





Don't be that guy

CCP Peligro @CCP_Peligro · Feb 17
Are you following the rest of the Security Team at CCP on Twitter? Fanfest approaches! @CCP_Bugartist, @CCP_Random, @CCP_Grimmi #tweetfleet

5

[Redacted] Follow

@CCP_Peligro @CCP_Punkturis
@CCP_Bugartist @CCP_Random
@CCP_Grimmi No and I honestly don't care. What about those sov changes? #tweetfleet

5:38 PM - 17 Feb 2015

Reply to **[Redacted]** @CCP_Punkturis @CCP_Bugartist @CCP_Random @CCP_G...

Katrin/CCP Punkturis @CCP_Punkturis · Feb 17
@CCP_Peligro @CCP_Bugartist @CCP_Random @CCP_Grimmi security team should make sov changes!!!

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[Redacted] Feb 17
@CCP_Punkturis @CCP_Peligro @CCP_Bugartist @CCP_Random @CCP_Grimmi Might still be better than Dominion sov! :-)

1

Surveillance video

aka

We can change Sov too ;)

AWARENESS

EVE FANFEST 2015

For the video please go to <https://youtu.be/WBD7CL9oQqE?t=2958>



CCP Security says Thank You!

EVE FANFEST 2015

Thanks a lot for your attention!

Q&A will be in **Dodixie** (room) right now!

Get in contact with us:

- security@ccpgames.com
- internalaffairs@ccpgames.com

