



CAPTURE THE CASH

www.capturethecash.xyz



Welcome to Capture€ The Ca\$h!

<https://www.capturethecash.xyz/>

Intro

Unscrupulous is the world in which we are living in, each side does what it can to survive, and to defeat their enemies. Big Crime Corporations control every aspect of life, and compete with each other for control, and more importantly, money. In this scenario, they hire criminals with high computer skills, and dirty real-world strategies are replicated in cyber-reality.

You are part of this new battlefield, you and your team have been hired to work with one of this Big Corporations, and using your skills you will attack the enemy Corporations, and will defend your own resources. Remember, it's all about money. The winner will be the team that, at the end of the game, has more money in the bank account. Go and Capture The Cash!

Game

Capture The Cash is a CTF-style game for teams. This game simulates a war among Criminal Corporations, that would do anything to gain money.

Remember, it's all about money. Win it at any cost, and do not lose what you have won!

Earn money:

- » Capture information assets (flags) of machines (boxes) from enemy Corporations.
- » If you have the chance, install Minerbots in each box you control, they will produce bitcoins that will become cash in your bank account.
- » Steal authorized bank accounts credentials from other Corporations and transfer all their cash to your own account.

Defend yourself:

- » Use secure bank passwords or preferably upgrade the crypto system. Do not permit that other Corporations steal your bank credentials, you can bankrupt in a blink!
- » If your operational services are no longer available, your Cybercrime network will stop operating, and you will lose money! Keep your availability as high as possible.

Investments:

- » You can invest your money in the market in order to gain some potential game advantages. For example, you might be interested on the source code of some of the deployed vulnerable services, or you might be interested on gain access to the cryptographic hashes of your enemy's bank passwords, or on increasing the security of your own password hashes. Explore the market!
- » You can also invest your money in the early discovery of new target boxes, that will give you the chance to start working in more advanced levels, staying ahead of the competition.

Remember, it's all about money. Invest wisely!

Mechanics

There are 6 levels. Typically, each level will include a set of machines, running the same services, and belonging to each one of the Corporations. However, there are also some "stand-alone" levels, consisting on target boxes which are not under the control of any Corporation. Each of these boxes provide services, which might have one or more vulnerabilities that could be exploited to reach the information assets (flags). Some services also will be vulnerable to remote attacks.

Each team must audit its own infrastructure in order to identify possible vulnerabilities, and then, the team should split its work in two fronts: Firstly, action should be take in order to fix the vulnerabilities, either via source code modification or binary patch, according to the case. Secondly, some effort should be put in exploiting these vulnerabilities in boxes belonging to other Corporations, in order to steal their information assets (flags) and, if possible, to install Minerbots in their boxes. Finally, a word of advice: be extremely careful when deploying your patches. Remember that you must warrant the availability of your own infrastructure, or you will start losing money.

Access to the first level is free. In order to advance further, you have two options: either capture all the flags in a level to automatically unlock the next one, or alternatively, spend some of your money and pay the unlocking price. Please note, if a team successfully patches a service, protecting their flags from been stolen by other teams, the enemy teams will be forced to pay the unlock price for the next level. Oh, by the way, remember to capture the flags from your own boxes! it's easy money ;)



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Level	Cost	Revenue*	Boxes**
0	Free	\$1.000	OpT
1	\$500	\$2.000	OpT
2	\$1.000	\$3.000	OpT
3	\$1.000	\$3.000	OpT
4	\$2.000	\$4.500	SA
5	\$2.500	\$7.000	OpT

* If you capture all the flags in that level

** OpT = One per Team (all vs all), SA = Stand-Alone (all vs. one)

Registration

- » The registration form is available at <http://www.capturethecash.xyz/>
- » Each team must have a captain, who will receive a "team token" that will be required in order to register other team members.
- » The maximum number of players in a team is 5.
- » Registration will be automatically disabled as soon as the game starts.

Bank accounts

- » Each Corporation will keep its money in a joint account.
- » Each player of the team is allowed to make transactions: e.g. to transfer money to other teams, to buy items in the market, and/or to consign more money (via flags or Minerbos).
- » Each team member has his own password for the joint account. Keep them safe!

Corporate Network

- » The captain will receive the authentication keys (teamX_key) for the team boxes.
- » For each level, the IP address of the team box will be revealed only after the team has reached the level. In the meantime, the box could be under attack by the other teams that reached the level earlier.
- » Once the game starts, you won't be able to automatically reverse your Box to its initial state. Any changes on your box are your own responsibility. Keep backups! Restoring functionality from serious damages will probably cost you some extra money.

Availability

- » Availability is measured for each service in each corporate Box
- » If in one hour one box have no functional services a fine will be generated. This fine will be collected every hour and will be proportionally charged according to the availability.
- » You can check the results of the latest availability assessment for each service through the CLI scoreboard (i.e, telnet sla.capturethecash.xyz 7777)

Minerbot

- » Each team has the possibility to run a Minerbot (only one per team per box) on each machine they control.
- » A constantly running bot generate an amount of cash that will be announced at the start of the game. Increase your earnings using as much Minerbots as you can
- » Don't let other Corporations earn money the easy way, shutdown the bots that you find.
- » Each team can monitor the status of its bot using BOT monitor.

Rules

As in all CTF competition, we assume every player's good faith, good spirits to participate and to have a good time. Any team member breaking any of the following rules will cause the disqualification of his/her team.

- » The only machines that can be attacked are the vulnerable boxes, and they will be clearly identified by IP address at each level. Attacking any other component of the game infrastructure, or any other machine that does not belong to the game from the game infrastructure is strictly forbidden.
- » The use of assistance from other non-registered players is not allowed. Each team will have a maximum of five participants on site and can not use local or remote help.
- » Other than secure your own boxes and hardening your services, you are not allowed to alter the boxes and/or the services.
- » Is explicitly forbidden the creation, modification or removal of flags throughout the game platform, including vulnerable machines.

About

- » Capture The Cash is based on the open-source game platform RootTheBox (<https://github.com/moloch--/RootTheBox>), created by @moloch. Kudos for a great work!
- » Capture The Cash includes a set of new functionalities developed by CSIETE, a Colombian company that performs research and consulting in Digital Security and that supports local infosec communities.
- » Here is a brief list of changes:
 - * Service availability assessment
 - * Real-time scoreboard
 - * Vulnerable boxes self-deployment
 - * Multiple improvements in the registration and bot management systems

In case that you find a bug on the platforms please report it to the organizers in order to maintain a functional and fun game.

If you require any further information, feel free to contact us at info@csiete.org