

Scoreboard

2019

Scoreboard

admin

	Team	Score	Breakthrough
1	Team Cryptis	19700	♥
2	PinkyUnicorn	17100	♥
3	Team Cryptis Bis	14400	♥
4	totopirate	10400	♥ ♥
5	Sthack5	9300	♥ ♥
6	Tipi'Hack	9300	♥
7	bras EG	7800	♥
8	French Hack'cent	7750	♥
9	adasset	7750	
10	Le bands a goulouk	7700	♥
11	Adyens	6750	♥
12	je-sappelle-root	6700	
13	adahuit	4100	
14	epixia	4100	
15	Grub rescue	4100	
16	SthackFrites	4100	
17	418 - TeaPotTeam	4100	
18	M	4100	
19	les pires hat	2550	
20	www.google.com:80/search?q=OWASP%20ZAP	0	
21	www.google.com:80/	0	

sthack-interface

Introduction

The NodeJS interface for STHack CTF game. More information on this event : <http://www.0tchack.it/>

Installation

You need nodejs with npm,bower, and grunt.

```
$ git clone https://github.com/0tchack/sthack-interface-node
$ cd sthack-interface-node
$ npm install
$ bower install
$ grunt
$ open dist/index.html --xdg
$ openssl req -x509 -nodes -days 365 -keykey rsa:2048 -keyout server.key -out server.crt
```

You need to create a subProduction.json file to use the deploy procedure (see later).

```
{
  "host": "production_host",
  "username": "sthack",
  "password": "sthackpassword",
  "port": 22,
  "extracted": "extract the tar.gz in your prod directory",
  "restart": "restart your service",
  "start": "start your service"
}
```

Mongodb

You just need to manually create your first admin user.

```
$ mongo shell
MongoDB shell version: 3.4.6
connecting to: sthack
> db.users.insert({ "name": "admin", "password": "21e88d027bda3e18bd36f1aef0361aef07162f9fa29c97b79527a21" })
```

To reset scoreboard :

```
db.teams.update({ "solved": { "$exists": true } }, { "$set": { "solved": false } }, { "multi": true });
```

To reset message :

```
db.messages.remove();
```

To reset teams :

```
db.teams.remove({ "name": "S0N3_M0D3R" });
```

Run

Edit all RUNNING variable from Gruntfile.js.

```
$ grunt
```

Enjoy !

Deploy procedure

You just need nodjs a mongodb server obviously and a redis server.

We need 2 simple users :

- sthackuser : with read write access to /var/www
- sthackuser : with read access to /var/www

Create the init script with your config env.

```
description "sthack scoreboard"
start on startup [2345]
setuid sthackapp
setgid sthackapp
chdir /var/www/
env PORT=2343
exec node app.js
env CERT_file=server.crt
export KEY_file=server.key
export KEY_PATH=/etc/sthack/sthack-key
export ADMIN_NAME="admin"
export ADMIN_PASS="sthack"
export CLOUD_TASK_DELAY=1000
env SESSION_SECRET="randomstring"
env SESSION_EXPIRE=1000000000
env DB_CONNECTION_STRING="mongodb://user:pass@ip:port/db"
env REDIS_HOST="ip"
env REDIS_PORT=6379
export REDIS_HOST
env SESSION_COOKIE="sthacksession"
env SESSION_EXPIRE=1000000000
env ADMIN_NAME="admin"
env ADMIN_PASS="sthack"
env TITLE="sthack"
export BIG_SCORE=1000000000
export BIG_SCORE
env NODE_ENV="production"
export NODE_ENV

#expect fork

#respawn
exec /var/lib/nodejs/var/www/server.js

Add sthackuser in sudoers
# /etc/sudoers.d/sthack

sthackuser ALL=(root) NOPASSWD: /bin/start sthack, /bin/stop sthack, /bin/restart sthack, /bin/status
```

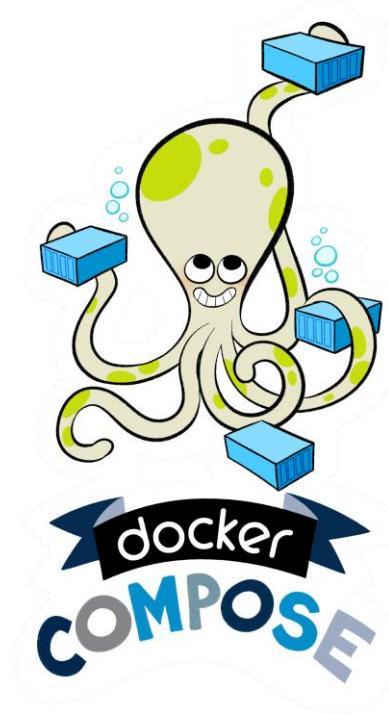
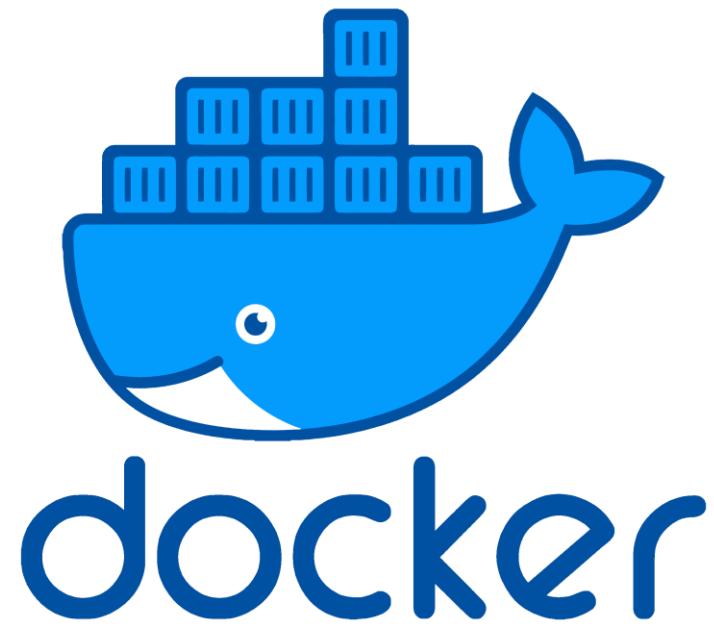
From your computer type `grunt deploy`

```
subProduction.json example
```

```
{
  "host": "192.168.37.100",
  "username": "sthack",
  "password": "sthackpassword",
  "port": 22,
  "extracted": "/home/sthackuser/sthack-interface-node/tar.gz -C /var/www/AA cd /var/www/AA",
  "restart": "sudo sthack restart",
  "start": "sudo sthack start"
}
```

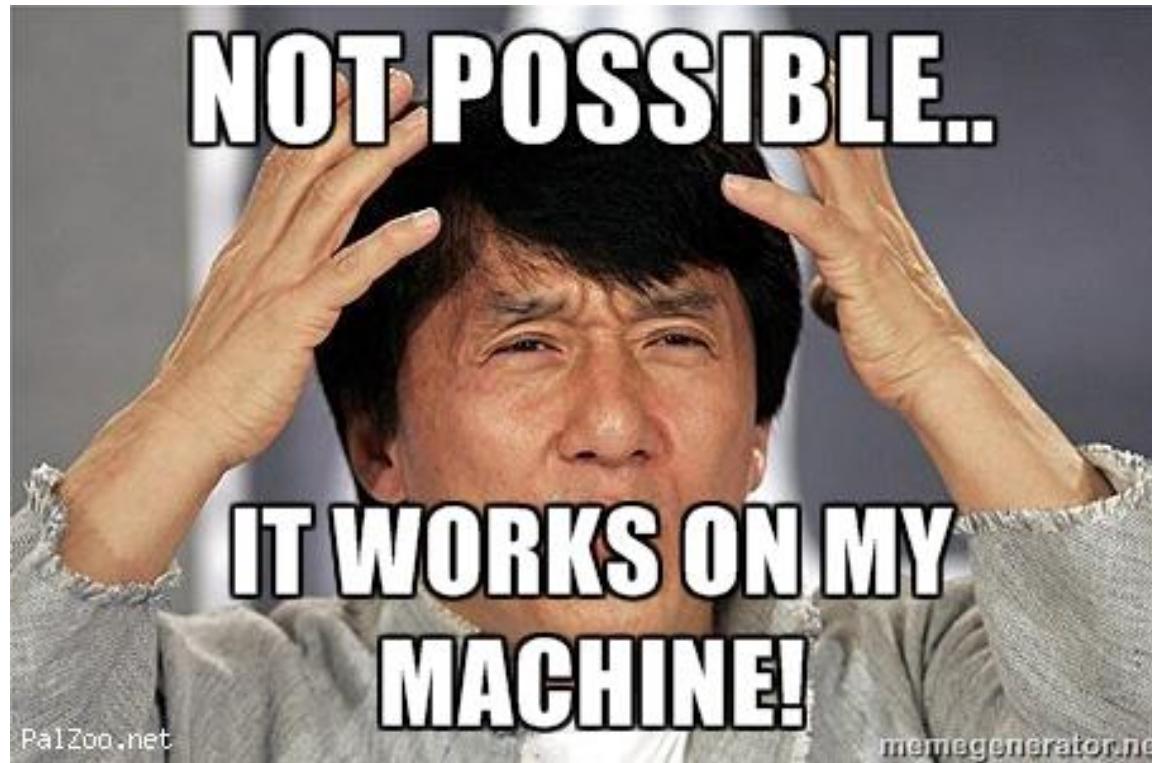
From your computer type `grunt deploy`







socket.io





2021

SHACK





Team Score: 0

Your Score: 0

Group By

Category

Difficulty

Author

medium



Romi



Baby Cloudflare



dataarave



Sharko's specials



Android



Nostalgia



Bob Ross



BreakThePass



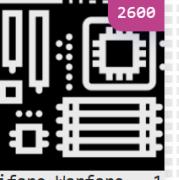
baby Octogone



Forensic Docker



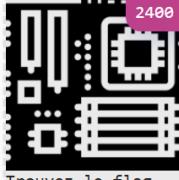
Baby RFID



Mifare Warfare - 1



Mifare Warfare - 2



Trouvez le flag



Beers & Flags (1)



trouver le serveur



best fake news



obsdev



Mite en Pullover



Beers & Flags (2)



Online PDF Maker



TetrisGame



Daft



candy contest



Beers & Flags (3)



Metadata viewer



Beers & Flags (4)



Troll Game



matrix

Message from Staff

[00:33:31] Link for metadata viewer chall is up :) http://52.30.122.160/
[01:54:01] Le chall d'amnesik est broken pour l'instant
[03:47:18] L'épreuve d'amnesik est censé être repaired, et des indices ont été ajoutés

**FIRST FLAG 2
MINUTES AFTER THE OPENING**

```
90
91     try {
92         const isValid = await checkChallenge(challName, flag)
93         callback({ isValid })
94     } catch (error) {
95         if (typeof error === 'string') {
96             callback({ error })
97         } else {
98             callback({ error: 'Nope' })
99         }
100    return
101  }
102
103  const achievement = await registerAchievement({
104      challenge: challName,
105      teamname: user.team,
106      username: user.username,
107  })
108
109  gameIo.emit('achievement:added', achievement)
110
111  },
112 )
113 }
```

```
90
91     try {
92         const isValid = await checkChallenge(challName, flag)
93         callback({ isValid })
94+     You, 19 months ago • fix: issue ...
95+     if (isValid) {
96+         const achievement = await registerAchievement({
97+             challenge: challName,
98+             teamname: user.team,
99+             username: user.username,
100+         })
101+
102+         gameIo.emit('achievement:added', achievement)
103+
104+
105     } catch (error) {
106         if (typeof error === 'string') {
107             callback({ error })
108         } else {
109             callback({ error: 'Nope' })
110         }
111
112     return
113
114
115
116 }
```



Broadcast a message to everyone

[Send](#)[Create challenge](#)[Open Registration](#)[Close Registration](#)

	Category	Name	Author	Difficulty	Action
	web	Romi	shoxx	medium	Broke it Edit it
	misc	Baby Cloudflare	endo	medium	Broke it Edit it
	crypto	datarave	viic	medium	Broke it Edit it
	reverse	Sharko's specials	shoxx	medium	Broke it Edit it
	reverse	Android	laurent	medium	Broke it Edit it
	misc	Nostalgia	Not really Florian	medium	Broke it Edit it
	web	Bob Ross	lupin	medium	Broke it Edit it
	reverse	BreakThePass	Keclem	medium	Broke it Edit it
	reverse	baby Octogone	Phenol	medium	Broke it Edit it
					



User	Team	Is Admin	Actions			
trgfx	Tourist'hack	✗	Change Password	Change Team	Promote to admin	Delete User
olivier	Mairie BDX	✗	Change Password	Change Team	Promote to admin	Delete User
killerpapy	Mairie BDX	✗	Change Password	Change Team	Promote to admin	Delete User
Kokote	Mairie BDX	✗	Change Password	Change Team	Promote to admin	Delete User
thomas	MINIX	✗	Change Password	Change Team	Promote to admin	Delete User
poly31	Synacktiv	✗	Change Password	Change Team	Promote to admin	Delete User
Starl0rd	MINIX	✗	Change Password	Change Team	Promote to admin	Delete User
shoxx	admin	✓	Change Password	Change Team	Revoke admin right	Delete User
sogam	zensec	✗	Change Password	Change Team	Promote to admin	Delete User
admin"#	Mairie BDX	✗	Change Password	Change Team	Promote to admin	Delete User
Syl191	Mairie BDX	✗	Change Password	Change Team	Promote to admin	Delete User
lupin	admin	✓	Change Password	Change Team	Revoke admin right	Delete User
Keclem	admin	✓	Change Password	Change Team	Revoke admin right	Delete User
Grominet	Tourist'hack	✗	Change Password	Change Team	Promote to admin	Delete User
vaelio	ZenSec	✗	Change Password	Change Team	Promote to admin	Delete User



Rank	Team	Score	Breakthrough
1	Synacktiv	41800	
2	Login Sécurité	41300	
3	Sinactive	32200	
4	RootDuRhum3	25400	
5	ADACTF	19800	
6	RootDuRhum1	18300	
7	ZenSec	17300	
8	Offsex	16300	
9	Tourist'hack	14700	
10	LaPiraterie	14400	
11	Les Pires Hat	12400	
12	RootDuRhum2	10100	
13	Mairie BDX	9300	
14	Euskaldunh4ck	8100	
15	Sthack Frites	4000	
16	Shemouel	3100	
17	ez2pwn	2500	
18	MINIX	1800	
18	PinkyUnicorn	1800	
18	cyber-bougie	1800	
21	-----	0	
21	/dev/null	0	
21	12345	0	
21	AdaCTF	0	
21	Bobcat	0	
21	Chibroscologue	0	
21	Fufufu	0	
21	euskaldunhack	0	
21	it4it4	0	
21	lala5	0	
21	les gris'ho6x1t	0	
21	plop1337	0	
21	shemouel	0	
21	zensec	0	

Challs	Score
Romi	3100
Baby Cloudflare	2500
dataarave	3200
Sharko's specials	3100
Android	3300
Nostalgia	3400
Bob Ross	3200
BreakThePass	3200
baby Octogone	3200
Forensic Docker Layer	1800
Baby RFID	2100
Mifare Warfare - 1	2600
Mifare Warfare - 2	2700
Trouvez le flag dans le badge	2400
Beers & Flags (1)	2200
trouver le serveur via un switch	2800
best fake news	3100
obsdev	3300
Mite en Pullover	3400
Beers & Flags (2)	3200
Online PDF Maker	3200
TetrisGame	3200
Daft	3100
candy contest	3100
Beers & Flags (3)	3300
Metadata viewer	3400
Beers & Flags (4)	3400
Troll Game	3200
matrix	3300

2022





imgflip.com



Team Score: 0

Group By

Category

Difficulty

Author

medium



Sharko



Work It



Voyage



Op@k



dog

hard

Headless
Updateless
Brainless

Dwidder

Catch the bird, a
trip from web to
IRL.

Sniff 😊

The Little Tree's
Murder

easy



web-01



Armfull



Jean-Louis

Message from Staff

[21:59:40] [Catch the bird, a trip from web to IRL.]

Hint : Once you know what to do from the postcard, make sure you use the right technology (A.K.A NOT INTERNET), you will probably need a phone with some WIRED headphones.

[02:13:44]

Il y a eu une erreur de déploiement sur l'épreuve dog, si vous la flaggez présentez-vous à la table orga !

[23:06:43]

Nouveau challenge 'dog' released!

[21:41:57]

icecr4ck de la team TeamWithoutName est demandé à la table des orga :)

[03:36:23] [The Little Tree's Murder]

Je viens de faire aussi un petit changement pour rendre le chall plus fun ! Normalement vous allez avoir plein d'idées qui vont fuser :D

[03:27:54] [The Little Tree's Murder]

Pas besoin de bruteforce sur le challenge ! Normalement une requête bien placée peut vous trigger la full chain :D

[General](#) [Challenges](#) [Users](#) [Achievements](#)

Broadcast a message to everyone

or to a specific challenge

[Send](#)

Set a new team size limit (currently 5)

[Send](#)[Open Game](#)[Close Game](#)[Open Registration](#)[Close Registration](#)[General](#) [Challenges](#) [Users](#) [Achievements](#)[Create challenge](#)[Export as JSON](#)

	Category	Name	Author	Difficulty	Action
	network	videosurveillance	ErwanB	medium	Broke it Edit it
	web	Secure Platform Shop	shoxx	medium	Broke it Edit it
	reverse	Sharko	shoxx	medium	Broke it Edit it
					



General Challenges Users Achievements

Export as JSON

User	Team	Is Admin	Actions			
Nagarian	admin	✓	Change Password	Change Team	Revoke admin right	Delete User
ajani	admin	✓	Change Password	Change Team	Revoke admin right	Delete User
shoxx	admin	✓	Change Password	Change Team	Revoke admin right	Delete User
ErwanB	admin	✓	Change Password	Change Team	Revoke admin right	Delete User



General Challenges Users Achievements

Export as JSON

Challenge	Team	User	Date	Action
web-01	ADACTF	sheriff64	2022-05-20T19:44:48.040Z	Delete
web-01	420verf10w	Pixailz	2022-05-20T20:03:11.693Z	Delete
web-01	Root du rhum - 2	rootdurhum2	2022-05-20T20:13:13.950Z	Delete
Armfull	Le bistrot des légendes	Tomtombinary	2022-05-20T20:12:12.534Z	Delete
				Delete

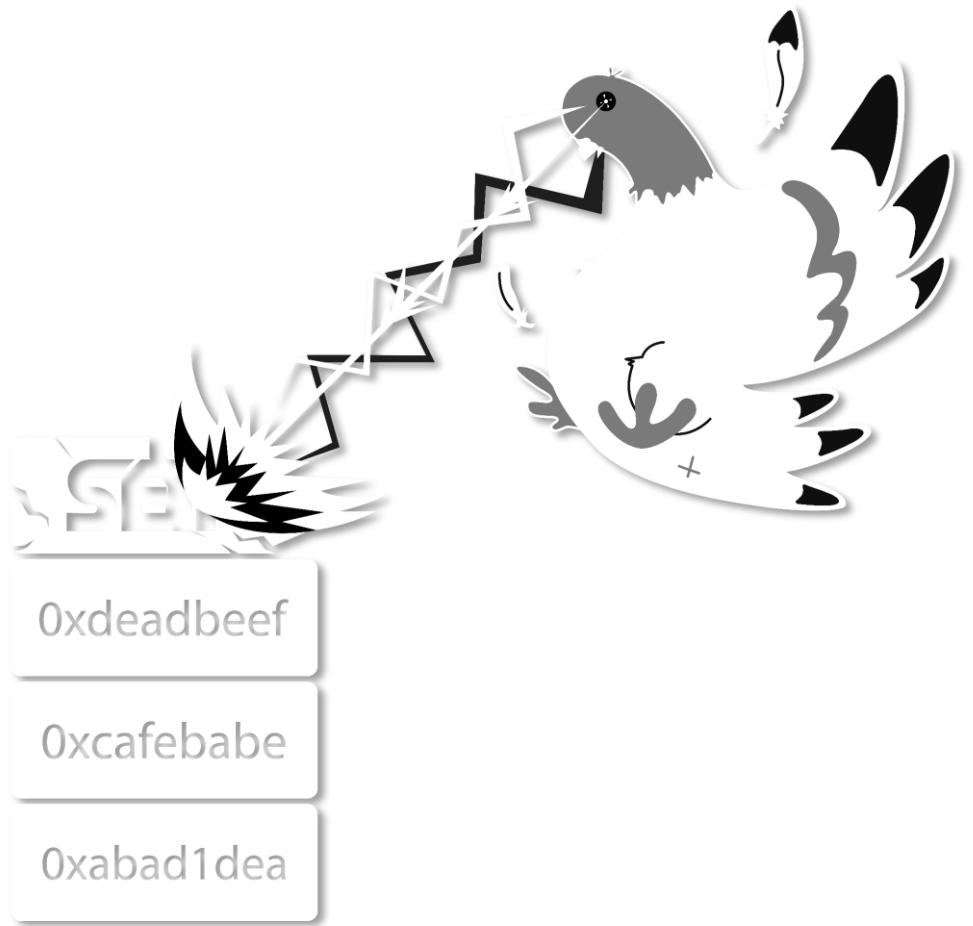


Rank	Team	Score	Breakthrough
1	Le bistrot des légendes	37250	
2	Login Sécurité	29900	
3	TeamWithoutName	22000	
4	Root du rhum - 1	14450	
4	Root du rhum - 2	14450	
6	Opencyber	12200	
7	ADACTF	10300	
8	JohnBRoot	7950	
9	Les Pires Hat	7850	
10	Yolosw4g	6600	
11	Cybiere	4800	
12	fi3ldfoks.Ay	3450	
13	AlwaySober	3250	
14	Euskaldunh4ck	2750	
14	b4By&b33r	2750	
16	42Overf10w	1900	
17	Ugly Duck	1150	
18	ippsec	750	
19	420ver3f10w	0	
19	420verf10w	0	
19	420overflow	0	
19	Adactf	0	
19	AutreChose	0	
19	IPPL0G4J	0	
19	Login-Sécurité	0	
19	NoTeam:)	0	
19	Testotron	0	
19	abcde	0	
19	hahaha	0	
19	lala5	0	
19	testotron	0	
19	uglyduck	0	

Challs	Score
videosurveillance	2000
Secure Platform Shop	2500
Sharko	3000
All it takes is a Mbean	4350
Headless Updateless Brainless	3900
web-01	750
Dwidder	4800
Fast And Secure	3000
Work It	3000
Voyage	2900
Armpull	1250
0p@k	2700
Jean-Louis	1150
dog	2700
Catch the bird, a trip from web to IRL.	4050
Sniff 😊	4800
The Little Tree's Murder	4800

2023

STAKER





Scoreboard Rules Register [Login](#)

STHACK



Oxdeadbeef

Oxcafebabe

Oxabad1dea

Username

Nagarian

Password

.....

Login

[Not registered yet ? Click here](#)

RDV 20H
Salon de
la mairie



General

Challenges

Users

Achievements

Attempts

Game Statistics

Teams connected: 34

penis (1 players)
yolo1 (1 sockets)Rockwood (2 players)
gomonriou (1 sockets)
Udo29 (2 sockets)Stramonium (4 players)
barney (1 sockets)
Express (1 sockets)
Diablo (1 sockets)
Grominet (1 sockets)Les Pires Hat (4 players)
Aether (1 sockets)
GamrayW (1 sockets)
ademon (1 sockets)
boring (1 sockets)M'hacksec (3 players)
anthony (1 sockets)
maxime (1 sockets)
Oskzuip (1 sockets)420verf10w (2 players)
Olriik (1 sockets)
Shukard (1 sockets)Los expressitos (3 players)
expressito de los kurwos de la mañana (1 sockets)
Ganko (1 sockets)
expressito de los chicos de la bandera (1 sockets)Team Rache Quit (1 players)
mrzor (1 sockets)notacf (1 players)
globule (1 sockets)PessHack3 (1 players)
jojo64 (1 sockets)CatOverflow (2 players)
T0t0R0 (1 sockets)
archie (1 sockets)

helloworld (1 players)
Ducksteel_levrai (1 sockets)B1 try (3 players)
LeSam (1 sockets)
matheo (1 sockets)
quentin (1 sockets)Tchootchoo (3 players)
nSydia (1 sockets)
kokote (1 sockets)
Tyroks (1 sockets)Bottom's Up (2 players)
geoffrey (1 sockets)
ninjawill543 (1 sockets)Khacktus (3 players)
Headorteil (1 sockets)
Bdenneu (1 sockets)
Barbaribouch (1 sockets)BxMetro (3 players)
Verzek (1 sockets)
windleo44 (1 sockets)
odelbosc (1 sockets)Les Squelettes Pompettes (1 players)
tatam (1 sockets)Root du rhum (2 players)
Akoura (1 sockets)
Prinegheuls (1 sockets)BrotherHacks (2 players)
jerem (1 sockets)
Kuzco (1 sockets)Touristes (2 players)
soud (1 sockets)
IG-IG-21 (1 sockets)ADACTF (1 players)
Eruk_ (1 sockets)Touriste (1 players)
Phantasia (1 sockets)

Users connected: 85

idéfix (4 players)
yann40 (1 sockets)
tlercerf2 (1 sockets)
Cyril (1 sockets)
yombb (1 sockets)

Fi3ldf0lks (5 players)
aangel (1 sockets)
Benja33 (2 sockets)
gc4lm3tt3s (1 sockets)
Aligatobasque (1 sockets)
ey3ball (2 sockets)PessHack (4 players)
DaKou (2 sockets)
kohb4x (1 sockets)
4rchibald (1 sockets)
Louzogh (1 sockets)(C3-NA) Ctrl+Alt+Defeat (4 players)
lpechambert (1 sockets)
mrssheepsheep (1 sockets)
fr3sh (1 sockets)
giz_music (1 sockets)Capgemini Aces of Spades (5 players)
Øbilistan (1 sockets)
Hellium (1 sockets)
Ad4m5 (1 sockets)
albertlingot (1 sockets)
Akumarachi (1 sockets)onepoint (2 players)
n1nj4sec (1 sockets)
V3locidad (1 sockets)Les Squelettes Pompettes (2 players)
Bla3C4t (1 sockets)
Mathisca (1 sockets)P'HackMan (3 players)
Beeb0 (1 sockets)
Lukho (1 sockets)
Koruke (1 sockets)---- (3 players)
Louis (1 sockets)
animalart (1 sockets)
codeoverflow (1 sockets)@ucun3 1d33@ (4 players)
TomFox (1 sockets)
Adamdelavega (1 sockets)
Hurlu (1 sockets)
Shydoow (1 sockets)Cloudflare (1 players)
toobtoob (1 sockets)

[+ Create challenge](#)[Export as JSON](#)

Search by chall or author name

Dwidder 1/2
Attempted 0 times
Solved 0 times

[Broke](#) [Edit](#)

Dwidder 1/2

4300

web - medium
hessman

Dwidder 2/2
Attempted 0 times
Solved 0 times

[Broke](#) [Edit](#)

Dwidder 2/2

4300

web - medium
hessman

ChadCPT
Attempted 0 times
Solved 0 times

[Broke](#) [Edit](#)

ChadCPT

2150

web - easy
hessman

Someone solved
please wait
00:05

Flowers Bot 1/2

2000

Flowers Bot 1/2

2000

web - easy
it4

Safe
Attempted 0 times
Solved 0 times

[Broke](#) [Edit](#)

Safe

4300

misc - medium
hackdaddy

Flowers Bot 2/2
Attempted 1 times
Solved 0 times

[Broke](#) [Edit](#)

Flowers Bot 2/2

4300

system - medium
it4

KongLua 01 - Creds Digger
Attempted 1 times
Solved 2 times (last by "mrzor" from "Team Rache Quit")

[Broke](#) [Edit](#)

KongLua 01 - Creds Digger

4100

realist - medium
Laluka

KongLua 02 - Far Fetched Debugger
Attempted 0 times
Solved 0 times

[Broke](#) [Edit](#)

KongLua 02 - Far Fetched Debugger

6450

realist - hard
Laluka

Turn Around
Attempted 2 times
Solved 3 times (last by "Diablo" from "Stramonium")

[Broke](#) [Edit](#)

Turn Around

2000

realist - easy
YanZaX

Snyk - Nice vuln checker
Attempted 0 times
Solved 0 times

[Broke](#) [Edit](#)

Snyk - Nice vuln checker

0 times

un cable et un cutter
Attempted 2 times
Solved 0 times

[Broke](#) [Edit](#)

un cable et un cutter

0 times

Do you speak SQL ?
Attempted 0 times
Solved 1 times (last by "ixod3" from "Les Pires Ut")

[Broke](#) [Edit](#)

Do you speak SQL ?

0 times



General

Challenges

Users

Achievements

Attempts

Export as JSON

Search by team or user name

admin (18 players)

Endo42					
viiic					
shoxx					
phenol					
ghozt					
amnesik					
ajani					
agixid					
arkze					
ErwanB					
yanzax					
Laluka					
lupin					
hackdaddy					
it4					
Agropec					

Les Squelettes Pompettes (1 players)

tatam



---- (4 players)

Louis



ponpon



animalart



codeoverflow



(C3-NA) Ctrl+Alt+Defeat (5 players)

mrsheepsheep



swordhadess



giz_music



fr3sh



lpechambert



@ucun3 1d33@ (5 players)

TomFox



Hurlu



Adamdelavega



TomH33



Shydoow



420verf10w (5 players)

Olriik



Shukard



clinche



sam0verf10w



ADACTF (5 players)

Erak_



Ouisouss



n2cou



luminouw



 [General](#) [Challenges](#) [Users](#) [Achievements](#) [Attempts](#)[+ Create reward](#)[JSON Export as JSON](#)[JSON Export as JSON](#)

Search by label, team, player or chall name

Rewards

Team	Label	Value	Date	Actions
------	-------	-------	------	---------

Achievements

Challenge	Team	User	Date	Actions
Flowers Bot 1/2	Khacktus	Barbaribouch	00:37:28	 Delete
A path to power (part 1)	Fi3ldf0lks	ey3ball	00:32:34	 Delete
Flowers Bot 1/2	Les Pires Hat	ademon	00:27:22	 Delete
Turn Around	Stramonium	Diablo	00:26:00	 Delete
A path to power (part 1)	Touristes	souad	00:22:31	 Delete
Flowers Bot 1/2	PessHack	Louzogh	00:17:19	 Delete
Harduino	BrotherHacks	kaetir	00:08:34	 Delete
BlockFlower	P'HackMan	Koruke	23:57:46	 Delete
Turn Around	Les Pires Hat	Aether	23:54:18	 Delete

 [General](#) [Challenges](#) [Users](#) [Achievements](#) [Attempts](#)[Export as JSON](#)

Search by team, player, chall name or attempt proposal

Challenge	Team	User	Attempt	Date
Flowers Bot 1/2	Khacktus	Barbaribouch	STHACK{simpleLFIoldButStillGold}	00:37:28
La coloc	B1 try	LeSam	CEL33844	00:36:49
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:26
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:26
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:26
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:26
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:26
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:25
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:25
La coloc	B1 try	LeSam	STHACK{CEL33844+5}	00:36:24
La coloc	B1 try	LeSam	STHACK{CEL33205+5}	00:35:51
un cable et un cutter	Les Squelettes Pompettes	Mathisca	STHACK{F10wEr}	00:34:06
La coloc	PessHack	Bab78	STHACK{478600+5}	00:33:55
La coloc	PessHack	Bab78	STHACK{478600+5}	00:33:54
La coloc	PessHack	Bab78	STHACK{478600+5}	00:33:54
La coloc	PessHack	Bab78	STHACK{714900+5}	00:33:44
La coloc	PessHack	Bab78	STHACK{714900+5}	00:33:44
La coloc	PessHack	Bab78	STHACK{714900+5}	00:33:43
La coloc	PessHack	Bab78	STHACK{17220000+5}	00:33:01
La coloc	PessHack	Bab78	STHACK{17220000+5}	00:33:01
La coloc	PessHack	Bab78	STHACK{17220000+5}	00:33:00
La coloc 2/2	BrotherHacks	Kuzco	STHACK{gestion de crise}	00:33:00
La coloc	PessHack	Bab78	STHACK{17220000+5}	00:33:00
La coloc 2/2	BrotherHacks	Kuzco	STHACK{exercice gestion de crise}	00:32:53
La coloc 2/2	BrotherHacks	Kuzco	STHACK{Exercice gestion de crise}	00:32:36