

```
Last login: Mon Jan  3 23:28:42 on ttys001
shankarjp@Shankars-MacBook-Pro ~ % cd Desktop/Clubs/Delta/InProgress/pctf/PCTF22
/
shankarjp@Shankars-MacBook-Pro PCTF22 % code .
shankarjp@Shankars-MacBook-Pro PCTF22 % ls
Binary          Cryptography    Forensics      README.md      Web
shankarjp@Shankars-MacBook-Pro PCTF22 % git log
commit 75a4699defb3cc9e1e812065349e9782732947d3 (HEAD -> GraphHack)
Author: Shankar Jayaprakash <79354504+shankarjp@users.noreply.github.com>
Date:   Thu Dec 30 22:18:38 2021 +0530
```

Feat(GraphHack): Client Code Added

```
commit 1b5b6fa3b2bd971ceb308372a32f89587f45200d (origin/GraphHack, main)
Author: Shankar Jayaprakash <79354504+shankarjp@users.noreply.github.com>
Date:   Tue Dec 28 10:21:26 2021 +0530
```

WIP Commit

```
commit 7bbd90f2c620169ad25d35122f73209fdcfac61c
Author: Ashwani Vishwakarma <74769188+Ashwin125@users.noreply.github.com>
Date:   Wed Dec 22 18:49:41 2021 +0530
```

[Binary]: Challenge Poly-flow

- * includes files added
- * exploit for the problem added

```
commit 7a94432f2da1642f2a8d3bf9b849ebd1e98b969c
Author: Hedhav <83498137+Hedhav@users.noreply.github.com>
shankarjp@Shankars-MacBook-Pro PCTF22 % cd ..
shankarjp@Shankars-MacBook-Pro pctf % ls
PCTF22
shankarjp@Shankars-MacBook-Pro pctf % rm -rf PCTF22
shankarjp@Shankars-MacBook-Pro pctf % cd ..
shankarjp@Shankars-MacBook-Pro InProgress % ls
nitt_site      pctf           ppl20
shankarjp@Shankars-MacBook-Pro InProgress % rm -r pctf
shankarjp@Shankars-MacBook-Pro InProgress % ls
nitt_site      ppl20
shankarjp@Shankars-MacBook-Pro InProgress % git clone https://github.com/anirudh
vs/PCTF22.git
Cloning into 'PCTF22'...
remote: Enumerating objects: 99, done.
remote: Counting objects: 100% (99/99), done.
remote: Compressing objects: 100% (75/75), done.
remote: Total 99 (delta 9), reused 85 (delta 6), pack-reused 0
Receiving objects: 100% (99/99), 805.64 KiB | 1.64 MiB/s, done.
Resolving deltas: 100% (9/9), done.
shankarjp@Shankars-MacBook-Pro InProgress % cd PCTF22
shankarjp@Shankars-MacBook-Pro PCTF22 % ls
Binary          Cryptography    Forensics      README.md      Web
shankarjp@Shankars-MacBook-Pro PCTF22 % code .
shankarjp@Shankars-MacBook-Pro PCTF22 % ls
Binary          Cryptography    Forensics      README.md      Web
```

```

shankarjp@Shankars-MacBook-Pro PCTF22 % cd Web/Graph_Hack
shankarjp@Shankars-MacBook-Pro Graph_Hack % code .
shankarjp@Shankars-MacBook-Pro Graph_Hack % cd ../../../../temp/pctf/fullstack-g
raphql
shankarjp@Shankars-MacBook-Pro fullstack-graphql % ls
README 2.md      api          db 2.json      package 2.json  yarn 2.lock
README.md      client       db.json       package.json   yarn.lock
shankarjp@Shankars-MacBook-Pro fullstack-graphql % code .
shankarjp@Shankars-MacBook-Pro fullstack-graphql % speedtest
^[[B^[[B^[[A^[[A[2022-01-05 20:25:25.978] [error] Trying to get interface inform
ation on non-initialized socket.
^R
[2022-01-05 20:25:55.991] [error] Configuration - Timeout was reached (TimeoutEx
ception)
[2022-01-05 20:25:55.991] [error] Configuration - Cannot retrieve configuration
document (0)
[2022-01-05 20:25:55.991] [error] ConfigurationError - Could not retrieve or rea
d configuration (Configuration)
[2022-01-05 20:25:55.992] [error] ConfigurationError - Could not retrieve or rea
d configuration (Configuration)
[error] Configuration - Could not retrieve or read configuration (ConfigurationE
rror)
shankarjp@Shankars-MacBook-Pro fullstack-graphql % speedtest
[2022-01-05 20:26:37.300] [error] Trying to get interface information on non-ini
tialized socket.
[2022-01-05 20:26:46.195] [error] Configuration - Couldn't resolve host name (Ho
stNotFoundException)
[2022-01-05 20:26:46.195] [error] Configuration - Cannot retrieve configuration
document (0)
[2022-01-05 20:26:46.195] [error] ConfigurationError - Could not retrieve or rea
d configuration (Configuration)
[2022-01-05 20:26:46.195] [error] ConfigurationError - Could not retrieve or rea
d configuration (Configuration)
[error] Configuration - Could not retrieve or read configuration (ConfigurationE
rror)
shankarjp@Shankars-MacBook-Pro fullstack-graphql % clear

shankarjp@Shankars-MacBook-Pro fullstack-graphql % speedtest
[2022-01-06 11:06:44.466] [error] Trying to get interface information on non-ini
tialized socket.
[2022-01-06 11:06:44.471] [error] Configuration - Couldn't resolve host name (Ho
stNotFoundException)
[2022-01-06 11:06:44.471] [error] Configuration - Cannot retrieve configuration
document (0)
[2022-01-06 11:06:44.471] [error] ConfigurationError - Could not retrieve or rea
d configuration (Configuration)
[2022-01-06 11:06:44.471] [error] ConfigurationError - Could not retrieve or rea
d configuration (Configuration)
[error] Configuration - Could not retrieve or read configuration (ConfigurationE
rror)
shankarjp@Shankars-MacBook-Pro fullstack-graphql % ls
README 2.md      api          db 2.json      package 2.json  yarn 2.lock
README.md      client       db.json       package.json   yarn.lock
shankarjp@Shankars-MacBook-Pro fullstack-graphql % cd ..
shankarjp@Shankars-MacBook-Pro pctf % ls

```

```

fullstack-graphql      graphql-mongo-server
shankarjp@Shankars-MacBook-Pro pctl % cd ..
shankarjp@Shankars-MacBook-Pro temp % ls
CTF_Ideas              GraphQL                pctl
DwOC-server            NITT_Site_Photos    test.md
shankarjp@Shankars-MacBook-Pro temp % cd ..
shankarjp@Shankars-MacBook-Pro Delta % ls
CTF                    Done                InProgress          Terminal_Print    temp
shankarjp@Shankars-MacBook-Pro Delta % cd ..
shankarjp@Shankars-MacBook-Pro Clubs % ls
Delta    TC          Vortex
shankarjp@Shankars-MacBook-Pro Clubs % cd ..
shankarjp@Shankars-MacBook-Pro Desktop % ls
Academics
Clubs
Coding
Day1_OpenNets.mp4
Day1_OpenNets_New.mp4
Photos
Screen Recording 2021-12-20 at 9.26.37 PM.mov
Screen Recording 2021-12-21 at 8.12.47 PM.mov
Screenshot 2022-01-05 at 12.42.26 AM.png
shankarjp@Shankars-MacBook-Pro Desktop % cd Academics
shankarjp@Shankars-MacBook-Pro Academics % ls
3rd Semester          B.Tech-CSE-2020.pdf
shankarjp@Shankars-MacBook-Pro Academics % mkdir 4th\ Semester
shankarjp@Shankars-MacBook-Pro Academics % ls
3rd Semester          4th Semester          B.Tech-CSE-2020.pdf
shankarjp@Shankars-MacBook-Pro Academics % cd 4th\ Semester
shankarjp@Shankars-MacBook-Pro 4th Semester % ls
shankarjp@Shankars-MacBook-Pro 4th Semester % mkdir OS\ Lab
shankarjp@Shankars-MacBook-Pro 4th Semester % ls
OS Lab
shankarjp@Shankars-MacBook-Pro 4th Semester % cd OS\ Lab
shankarjp@Shankars-MacBook-Pro OS Lab % ls
shankarjp@Shankars-MacBook-Pro OS Lab % mkdir Exercise1 && cd Exercise1
shankarjp@Shankars-MacBook-Pro Exercise1 % ls
shankarjp@Shankars-MacBook-Pro Exercise1 % clear

```

```

shankarjp@Shankars-MacBook-Pro Exercise1 % echo "Problem 1"

```

```

Problem 1

```

```

shankarjp@Shankars-MacBook-Pro Exercise1 % mkdir CSE

```

```

shankarjp@Shankars-MacBook-Pro Exercise1 % ls

```

```

CSE

```

```

shankarjp@Shankars-MacBook-Pro Exercise1 % cd CSE

```

```

shankarjp@Shankars-MacBook-Pro CSE % ls

```

```

shankarjp@Shankars-MacBook-Pro CSE % touch date user

```

```

shankarjp@Shankars-MacBook-Pro CSE % cal

```

```

January 2022

```

```

Su Mo Tu We Th Fr Sa

```

```

1

```

```

2 3 4 5 6 7 8

```

```

9 10 11 12 13 14 15

```

```

16 17 18 19 20 21 22

```

```

23 24 25 26 27 28 29

```

```
30 31
shankarjp@Shankars-MacBook-Pro CSE % cal > date
shankarjp@Shankars-MacBook-Pro CSE % cat date
January 2022
```

```
Su Mo Tu We Th Fr Sa
                1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
```

```
shankarjp@Shankars-MacBook-Pro CSE % date
Thu Jan  6 12:03:51 IST 2022
shankarjp@Shankars-MacBook-Pro CSE % date >> date
shankarjp@Shankars-MacBook-Pro CSE % cat date
January 2022
```

```
Su Mo Tu We Th Fr Sa
                1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
```

```
Thu Jan  6 12:03:59 IST 2022
```

```
shankarjp@Shankars-MacBook-Pro CSE % lastlog > user
zsh: command not found: lastlog
```

```
shankarjp@Shankars-MacBook-Pro CSE % last > user
```

```
shankarjp@Shankars-MacBook-Pro CSE % cat user
```

```
shankarjp  ttys001      Wed Jan  5 02:26      still logged in
shankarjp  ttys000      Wed Jan  5 01:49      still logged in
shankarjp  ttys001      Mon Jan  3 23:28 - 23:28 (00:00)
shankarjp  ttys001      Mon Jan  3 16:17 - 16:17 (00:00)
shankarjp  ttys001      Mon Jan  3 13:34 - 13:34 (00:00)
shankarjp  ttys000      Mon Jan  3 13:33 - 13:33 (00:00)
shankarjp  ttys000      Mon Jan  3 13:31 - 13:31 (00:00)
shankarjp  console      Mon Jan  3 13:31      still logged in
reboot     ~              Mon Jan  3 13:31
shutdown   ~              Mon Jan  3 01:33
shankarjp  ttys002      Mon Jan  3 00:44 - 00:44 (00:00)
shankarjp  ttys001      Sun Jan  2 23:50 - 23:50 (00:00)
shankarjp  ttys000      Sun Jan  2 21:07 - 21:07 (00:00)
shankarjp  console      Sun Jan  2 21:07 - 01:33 (04:26)
reboot     ~              Sun Jan  2 21:07
shutdown   ~              Sun Jan  2 20:06
shankarjp  ttys000      Sun Jan  2 19:05 - 19:05 (00:00)
shankarjp  ttys002      Sun Jan  2 18:10 - 18:10 (00:00)
shankarjp  ttys000      Sun Jan  2 17:17 - 17:17 (00:00)
shankarjp  console      Sun Jan  2 17:16 - 20:06 (02:49)
reboot     ~              Sun Jan  2 17:16
shutdown   ~              Sun Jan  2 17:05
shankarjp  ttys000      Sun Jan  2 14:44 - 14:44 (00:00)
shankarjp  ttys000      Sun Jan  2 14:43 - 14:43 (00:00)
shankarjp  ttys000      Sun Jan  2 13:58 - 13:58 (00:00)
shankarjp  console      Sun Jan  2 13:57 - 17:05 (03:08)
reboot     ~              Sun Jan  2 13:57
```

shutdown	~	Sun Jan 2 12:30	
shankarjp	ttys000	Sun Jan 2 12:28 - 12:28	(00:00)
shankarjp	console	Sat Jan 1 11:54 - 12:30	(1+00:36)
reboot	~	Sat Jan 1 11:53	
shutdown	~	Sat Jan 1 09:52	
shankarjp	console	Sat Jan 1 09:38 - 09:52	(00:14)
reboot	~	Sat Jan 1 09:38	
shutdown	~	Sat Jan 1 03:06	
shankarjp	console	Sat Jan 1 03:06 - 03:06	(00:00)
reboot	~	Sat Jan 1 03:06	
shutdown	~	Fri Dec 31 20:08	
shankarjp	ttys004	Fri Dec 31 16:49 - 16:49	(00:00)
shankarjp	ttys001	Fri Dec 31 16:16 - 16:16	(00:00)
shankarjp	ttys000	Fri Dec 31 08:52 - 08:52	(00:00)
shankarjp	console	Fri Dec 31 02:20 - 20:08	(17:48)
reboot	~	Fri Dec 31 02:20	
shutdown	~	Thu Dec 30 22:43	
shankarjp	ttys001	Thu Dec 30 22:41 - 22:41	(00:00)
shankarjp	ttys000	Thu Dec 30 16:03 - 16:03	(00:00)
shankarjp	console	Thu Dec 30 02:07 - 22:43	(20:35)
reboot	~	Thu Dec 30 02:07	
shutdown	~	Thu Dec 30 01:46	
shankarjp	ttys000	Thu Dec 30 01:41 - 01:41	(00:00)
shankarjp	ttys000	Thu Dec 30 00:20 - 00:20	(00:00)
shankarjp	ttys000	Wed Dec 29 19:03 - 19:03	(00:00)
shankarjp	ttys000	Tue Dec 28 10:16 - 10:16	(00:00)
shankarjp	ttys000	Tue Dec 28 09:45 - 09:45	(00:00)
shankarjp	ttys000	Tue Dec 28 07:36 - 07:36	(00:00)
shankarjp	ttys000	Mon Dec 27 22:09 - 22:09	(00:00)
shankarjp	console	Mon Dec 27 18:39 - 01:46	(2+07:07)
reboot	~	Mon Dec 27 18:39	
shutdown	~	Mon Dec 27 03:52	
shankarjp	ttys000	Sat Dec 25 23:34 - 23:34	(00:00)
shankarjp	ttys000	Sat Dec 25 21:18 - 21:18	(00:00)
shankarjp	console	Sat Dec 25 21:11 - 03:52	(1+06:41)
reboot	~	Sat Dec 25 21:11	
shutdown	~	Sat Dec 25 03:19	
shankarjp	ttys001	Sat Dec 25 01:33 - 01:33	(00:00)
shankarjp	ttys001	Fri Dec 24 22:26 - 22:26	(00:00)
shankarjp	ttys000	Thu Dec 23 12:33 - 12:33	(00:00)
shankarjp	console	Thu Dec 23 12:18 - 03:19	(1+15:00)
reboot	~	Thu Dec 23 12:18	
shutdown	~	Thu Dec 23 05:23	
shankarjp	console	Thu Dec 23 04:55 - 05:23	(00:28)
reboot	~	Thu Dec 23 04:55	
shutdown	~	Thu Dec 23 04:53	
shankarjp	ttys001	Thu Dec 23 04:49 - 04:49	(00:00)
shankarjp	ttys000	Thu Dec 23 04:41 - 04:41	(00:00)
shankarjp	console	Wed Dec 22 22:19 - 04:53	(06:34)
reboot	~	Wed Dec 22 22:19	
shutdown	~	Wed Dec 22 14:41	
shankarjp	ttys000	Wed Dec 22 14:10 - 14:10	(00:00)
shankarjp	console	Wed Dec 22 11:57 - 14:41	(02:43)
reboot	~	Wed Dec 22 11:57	
shutdown	~	Tue Dec 21 23:51	

shankarjp console	Tue Dec 21 23:46 - 23:51	(00:04)
reboot ~	Tue Dec 21 23:46	
shutdown ~	Tue Dec 21 23:37	
shankarjp ttys000	Tue Dec 21 20:31 - 20:31	(00:00)
shankarjp ttys000	Tue Dec 21 13:14 - 13:14	(00:00)
shankarjp ttys000	Tue Dec 21 05:23 - 05:23	(00:00)
shankarjp ttys001	Mon Dec 20 23:48 - 23:48	(00:00)
shankarjp ttys002	Mon Dec 20 20:15 - 20:15	(00:00)
shankarjp ttys000	Mon Dec 20 19:21 - 19:21	(00:00)
shankarjp console	Mon Dec 20 19:21 - 23:37	(1+04:16)
reboot ~	Mon Dec 20 19:21	
shutdown ~	Mon Dec 20 15:05	
shankarjp ttys000	Mon Dec 20 14:39 - 14:39	(00:00)
shankarjp console	Mon Dec 20 14:14 - 15:05	(00:50)
reboot ~	Mon Dec 20 14:14	
shutdown ~	Mon Dec 20 13:00	
shankarjp ttys001	Sun Dec 19 11:05 - 11:05	(00:00)
shankarjp ttys000	Sun Dec 19 08:13 - 08:13	(00:00)
shankarjp console	Sat Dec 18 20:09 - 13:00	(1+16:50)
reboot ~	Sat Dec 18 20:09	
shutdown ~	Fri Dec 17 23:43	
shankarjp console	Fri Dec 17 22:44 - 23:43	(00:59)
reboot ~	Fri Dec 17 22:43	
shutdown ~	Fri Dec 17 21:49	
shankarjp console	Fri Dec 17 21:40 - 21:49	(00:08)
reboot ~	Fri Dec 17 21:40	
shutdown ~	Fri Dec 17 21:31	
shankarjp ttys000	Fri Dec 17 21:23 - 21:23	(00:00)
shankarjp console	Fri Dec 17 20:37 - 21:31	(00:54)
reboot ~	Fri Dec 17 20:37	
shutdown ~	Fri Dec 17 11:15	
shankarjp ttys001	Fri Dec 17 10:24 - 10:24	(00:00)
shankarjp ttys000	Fri Dec 17 10:19 - 10:19	(00:00)
shankarjp console	Thu Dec 16 21:35 - 11:15	(13:40)
reboot ~	Thu Dec 16 21:35	
shutdown ~	Thu Dec 16 10:39	
shankarjp ttys000	Thu Dec 16 10:01 - 10:01	(00:00)
shankarjp console	Thu Dec 16 10:01 - 10:39	(00:38)
reboot ~	Thu Dec 16 10:00	
shutdown ~	Thu Dec 16 09:01	
shankarjp console	Thu Dec 16 08:55 - 09:01	(00:06)
reboot ~	Thu Dec 16 08:55	
shutdown ~	Thu Dec 16 00:42	
shankarjp ttys000	Wed Dec 15 23:27 - 23:27	(00:00)
shankarjp ttys000	Wed Dec 15 16:25 - 16:25	(00:00)
shankarjp console	Wed Dec 15 15:53 - 00:42	(08:48)
reboot ~	Wed Dec 15 15:53	
shutdown ~	Wed Dec 15 00:44	
shankarjp ttys000	Wed Dec 15 00:43 - 00:43	(00:00)
shankarjp console	Tue Dec 14 23:26 - 00:44	(01:18)
reboot ~	Tue Dec 14 23:25	
shutdown ~	Tue Dec 14 12:06	
shankarjp ttys000	Tue Dec 14 10:06 - 10:06	(00:00)
shankarjp console	Tue Dec 14 09:48 - 12:06	(02:18)
reboot ~	Tue Dec 14 09:48	

```

shutdown ~ Tue Dec 14 09:12
shankarjp ttys000 Tue Dec 14 09:07 - 09:07 (00:00)
shankarjp ttys000 Tue Dec 14 09:07 - 09:07 (00:00)
shankarjp console Tue Dec 14 09:05 - 09:12 (00:07)
reboot ~ Tue Dec 14 09:05
shutdown ~ Tue Dec 14 08:52
shankarjp ttys000 Mon Dec 13 21:53 - 21:53 (00:00)
shankarjp console Mon Dec 13 18:27 - 08:52 (14:25)
reboot ~ Mon Dec 13 18:26
shutdown ~ Mon Dec 13 18:02
shankarjp ttys000 Mon Dec 13 17:39 - 17:39 (00:00)
shankarjp console Mon Dec 13 17:39 - 18:02 (00:22)
reboot ~ Mon Dec 13 17:39
shutdown ~ Mon Dec 13 16:59
shankarjp ttys000 Mon Dec 13 16:32 - 16:32 (00:00)
shankarjp ttys000 Mon Dec 13 11:42 - 11:42 (00:00)
shankarjp console Mon Dec 13 11:01 - 16:59 (05:58)
reboot ~ Mon Dec 13 11:01
shutdown ~ Sun Dec 12 15:05
shankarjp ttys000 Sun Dec 12 15:00 - 15:00 (00:00)
shankarjp console Sun Dec 12 14:41 - 15:05 (00:24)
reboot ~ Sun Dec 12 14:41
shutdown ~ Sun Dec 12 12:54
shankarjp ttys000 Sun Dec 12 12:41 - 12:41 (00:00)
shankarjp console Sat Dec 11 13:49 - 12:54 (23:05)
reboot ~ Sat Dec 11 13:49
shutdown ~ Sat Dec 11 12:13
shankarjp console Sat Dec 11 09:58 - 12:13 (02:15)
reboot ~ Sat Dec 11 09:58
shutdown ~ Sat Dec 11 09:08
shankarjp console Sat Dec 11 08:52 - 09:08 (00:16)
reboot ~ Sat Dec 11 08:52
shutdown ~ Fri Dec 10 16:42
shankarjp console Fri Dec 10 16:30 - 16:42 (00:12)
reboot ~ Fri Dec 10 16:29

```

wtmp begins Fri Dec 10 16:29

shankarjp@Shankars-MacBook-Pro CSE % w > user

shankarjp@Shankars-MacBook-Pro CSE % cat user

12:09 up 2 days, 22:38, 3 users, load averages: 2.35 2.37 2.08

USER	TTY	FROM	LOGIN@	IDLE	WHAT		
shankarjp	console	-	Mon13	2days	-		
shankarjp	s000	-	Wed01		- w		
shankarjp	s001	-	Wed02	15:44	-zsh FBU	??	/bin/zsh

shankarjp@Shankars-MacBook-Pro CSE % users > user

shankarjp@Shankars-MacBook-Pro CSE % cat user

shankarjp

shankarjp@Shankars-MacBook-Pro CSE %