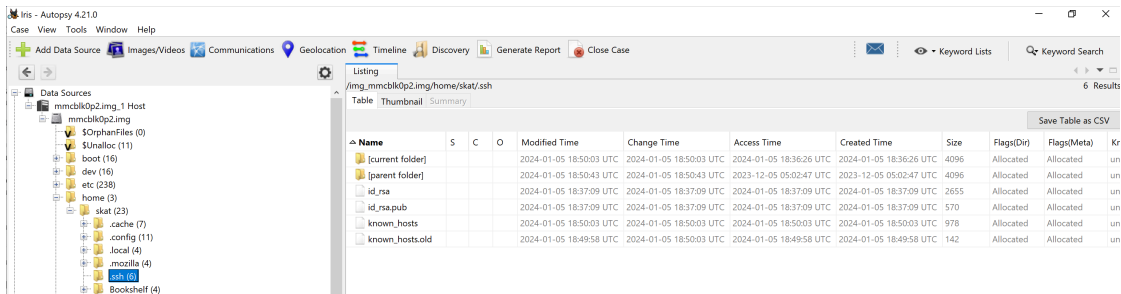
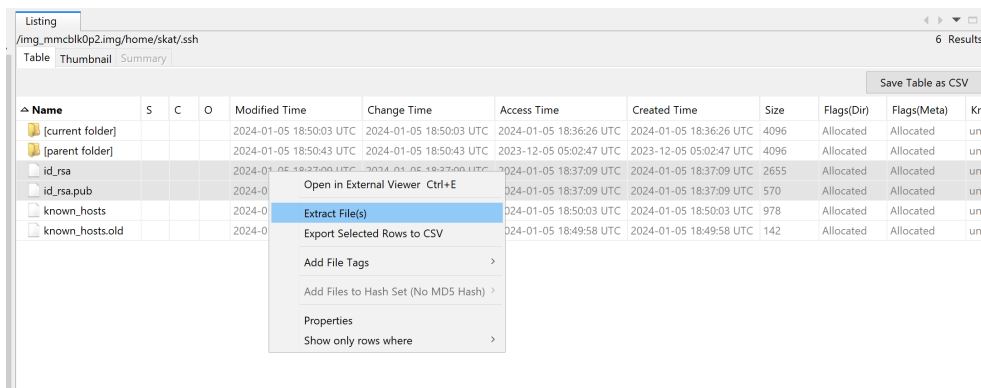


Using Autopsy Windows versión, we can find .ssh dir, that contain private and publickey



Extract these files



We find too .bash_history file, that line sounds great

git clone git@github.com:IrisSec/skats-interesting-things.git

Listing

/img_mmcblk0p2.img/home/skat 23 Results

Table Thumbnail Summary

Save Table as CSV

Name	S	C	O	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	Flags
.._Xauthority				2023-12-05 05:19:02 UTC	2023-12-05 05:19:02 UTC	2023-12-05 05:19:02 UTC	2023-12-05 05:19:02 UTC	56	Allocated	Alloca
.._ssh_history				2024-01-05 18:50:43 UTC	2024-01-05 18:50:43 UTC	2024-01-05 18:50:43 UTC	2024-01-05 18:50:43 UTC	263	Allocated	Alloca
.._bash_logout				2023-12-05 04:38:30 UTC	2023-12-05 05:02:47 UTC	2023-12-05 05:02:47 UTC	2023-12-05 05:02:47 UTC	220	Allocated	Alloca
.._bashrc				2023-12-05 04:38:30 UTC	2023-12-05 05:02:47 UTC	2023-12-05 05:02:47 UTC	2023-12-05 05:02:47 UTC	3523	Allocated	Alloca
.._cache				2024-01-05 18:38:20 UTC	2024-01-05 18:38:20 UTC	2023-12-05 05:19:06 UTC	2023-12-05 05:19:06 UTC	4096	Allocated	Alloca

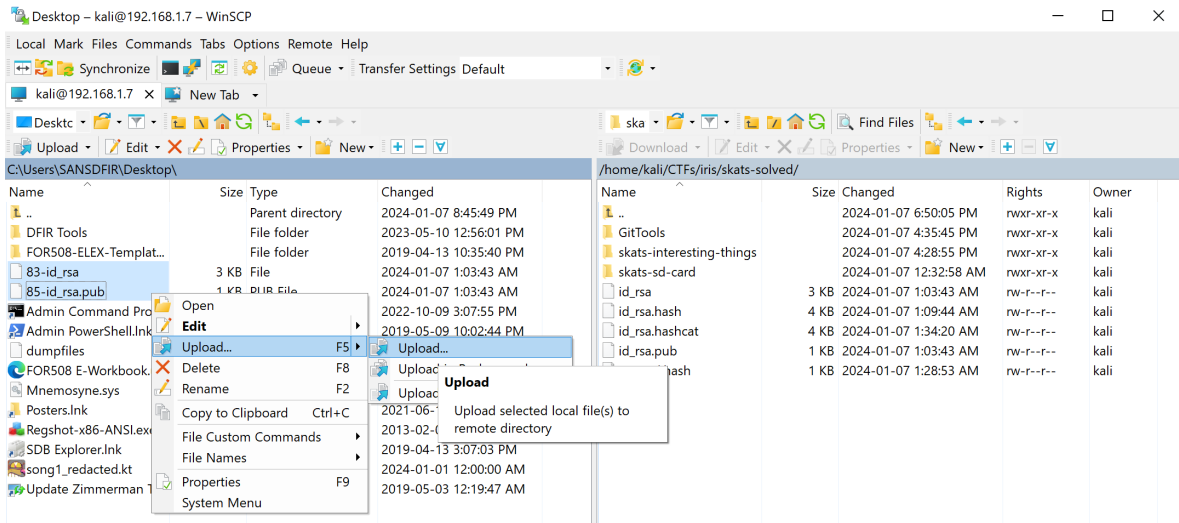
Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

Strings: Extracted Text Translation

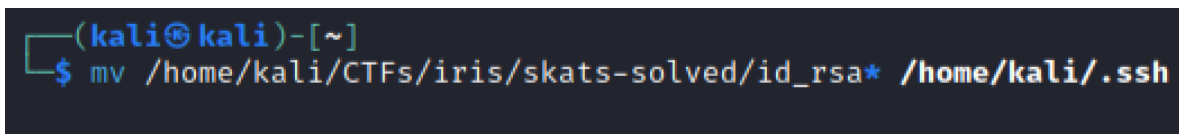
Page: 1 of 1 Page Matches on page: - of - Match 100% Reset Text Source: File Text

```
ip a
ps -aux
ls */
tree
tree -a
ssh-keygen
cat .ssh/id_rsa.pub
cd Downloads/
git clone
git clone git@github.com:irisSec/skats-interesting-things.git
cd skats-interesting-things/
ls
cat README.md
cat article6.txt
cd ../
ls
rm -rf skats-interesting-things/
exit
```

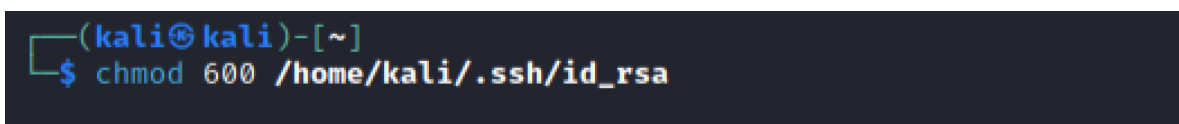
Lest copy id_rsa files to Kali machine



Copy id_rsa file to hali .ssh directory



Cahtges adequate permissions



Try Clone git using rsa_id file

git clone git@github.com:IrisSec/skats-interesting-things.git

```
(kali㉿kali)-[~]
$ git clone git@github.com:IrisSec/skats-interesting-things.git
Cloning into 'skats-interesting-things' ...
Enter passphrase for key '/home/kali/.ssh/id_rsa':
```

Mmmmm, We need password

```
(kali㉿kali)-[~]
$ ssh2john /home/kali/.ssh/id_rsa > /home/kali/.ssh/id_rsa.john
```

Create id_rsa private ket hash for mr John

```
(kali㉿kali)-[~]
$ cat /home/kali/.ssh/id_rsa.john
/home/kali/.ssh/id_rsa:$sshng$6$16$9a3bdaea7cc93a7b4df77535d8ae30$1910$6f70656e7373682d6b6592d761100000000a616573235362d63747200000000662637279787400000010a9a3bdaea7cc93a7b4df77535d8ae3000000010000000100000019700000077373682d727361000000030f0001000001810a0ff099cd4d2353cebd1da1882e949cebbba7e71bec9aeb6a6c172a1d0c9ee3839d84096fda82ca5773485abf395842562de29da00a845f1ca5749fcd6873787b00b779cb5b4cc559a508e42bac2d34edd9f5c3b8fcb09f99d49ffbf4c315688fca590819d1813d6edf10813f9bee0c3ea3c754702b9d99cf034b53ef74e167931a9838c966145fc63233641cfe19507eb2b47c308fd686b62a6c92837070292d0265f012eaf9a2ba0d923eb43f8575af68cd3750887b7b79b8211b397ab28c2611893330c5b6e7993bc581572b7e4570abdd9a2f13061dcd8ba9e781af9b5bf724dfc01ab6e44395a7c0be8136999a81c0e59cf428ab38d47327bc52db00027b8701a7a07c54fb178f00009a2ca4a2acf6e60265f2db0a4a17e2a902daf117198882c1c822ad27cd3adcd8f8af6003614ffea323535222711b07aa099e90ebf2e047c218f5e2abbc5d1ff402f7c291536f5a987c9c0091f8931b441baacf9c6a8e53a1a50b14417fe7d5d860616911f7d2c1b673f000005905c48d4eaca36fac2bdbc800b7cdc07a81dabd22b58a939ee6b067346045eedeff99abc021076eff60a1a097b56f35189f9e8d39efceca3f04e0e43da4935cfbe92e89530de4594cb317ff443336df08a9bd697764bf457a8184cd480ec63ee46aaa252ce008694c3f9c3a06a4201e5dfed73bb51a96fcd1c8f1fd52d48ab2d0ef7725d20a850db9ef932a26b6ae1fe71c7e4b8a6132cb472769b56f38c7d8ab670503a8c587ed783716afcd60eb0b43b9d56b8c84e4832952ad9337ffba01d263d6db092b2e3ce2d18fcd84ce97913aa1a42ff3de3f960d72aa2354db91ba61f168f900104a8c4e48d38e1b4d36ef7722ae7e27d349e1381a7712379a0f5979a940b176aeb9baba2ee1d0d189f85f715ea5ca3f35abf747ea1700dfcf6281188f9ba1e11a9d2746e7886ced7b27b4ba0a4f627572ce09f3a7cf93b6d49a24f7efbaef82162af3d5daf0e56780a097acb12d8b5a61e09856dcabddcf17b35c5b12850abbc9bf034c5e6cea7b3e18737e1a8d47eac4547d03c9a8119d41e1e877249fa17f85814baa86803548190ce083af9fc5783e02ee0406edc23c44d6b80a2720623aa797d3e140880998dc50c633bdc7129b3c34b4543cb1fb02eeb8cd4d18970f0491c97b17c3b2cb6d46a3f480eca0d2bf5c2bd35798abecb2392890519e62d5436739038e7635e072c0238ce398aaf90a921290092892184301232fdad205f33e90a050147b705ba077a719479b97fe2f42dbc4b058358e207ce7fe55f1f00b0000acbc5c97a23623025b5f1c43e36aee8d170baf822ae318e803ccdd669f9ef28fa70167b12c47de3f706873da52f8d80d1c125c183c0bb1a2704ce97b22ef4dc287504c29f167e9af6f189706742fb107f78a2b2b15794be9f23209b81799224bd705ad09541fbc99b47a06aef18ed90ef4823a9ce5a1e596811c4ab5962aeb07165c77ab59384a89a80a12c558743144021f59e1fdb0e6810b78ecd24f2362d1cefb4a9992292c817c29a89a6d77a47aeecc6b74e4479db780840971894c3c0ba396f1c7ee97abce853e005ba43975045c3000ac0203c22c36ead39b19de0bae9b3e9bc23ff4745969f8df379baed088e2fc4d1fbf05513b3c95ca6b71dfa30bf8a4ca987e301a4a4bd8219b097a83ba08afdaa81261142c37a39cd4cd50b2f0996553bbd9085b7fcd0d4ceec95f8f5ecbf6771dc05da5e3b343a689acfe20b6c99b9414c4759697556ed3d6a53b66158ad8f34352304bd81a88722ad4cd6ba4ebf027daa0233489a3aa1c798e0931f7acd1bf0a58f17aa733e2a3cd489517f49ebba5a6e5df08114d4f9336f0e888b2bb014f0b615c739e298ce99e56e92df7feea18b301012ed71a5c70209aea5d1869a276609c30856921d09d8a06930ab4b436ef7ce136ad3855fa7c80084b6c494f8c4b31a6d95116d74046e01b24f2f31c9646c27b6362d5ad09d928559afbed6597ab532e0e077a7e222d0294e20e7a518a70d31a114b4b3a10292892ce99a0f6065cdfd72b13b6431a77300b0a8b09a94306a624c4e5a81da3750abf8d53b9c1c07f86c3f00a4313040994f189f157ec9a9281636ccf11af3a8b1552e9f1d5159e7c83c85d268cd2402968e969fa7710673d12aee96432bb0d0ef886fb6f900b26761d76976de9baac3a2d7c3285079dadc86e919eb9088df619ddf0db3c315b7357637576e067070ba46b676df3fcd72b073682c53e258f8521a4dced7d6a42eb4c1279d0ea5ed808a59853e83c8d43063f9c0203986a0a1162042c87e8a31c9b4c4813bd17b071facf9a9b082f18f5fc63bc94696ced63687d39b661437330425e0fa8002fd5de32e9d7449fb02af4b1042e918692c4855ca317a1a539ec53260f595496b736c2968d83968329883f2796ab9f3f7b78052c90d6d7e26db106ade7f2fce2d159105165486
```

And “EPA” we have the password, Its password

```
(kali㉿kali)-[~]
$ john /home/kali/.ssh/id_rsa.john
Using default input encoding: UTF-8
Loaded 1 password hash (SSH, SSH private key [RSA/DSA/EC/OPENSSH 32/64])
Cost 1 (KDF/cipher [0=MD5/AES 1=MD5/3DES 2=Bcrypt/AES]) is 2 for all loaded hashes
Cost 2 (iteration count) is 16 for all loaded hashes
Will run 4 OpenMP threads
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst
password (/home/kali/.ssh/id_rsa)
1g 0:00:29:17 DONE 2/3 (2024-01-08 10:41) 0.000568g/s 27.83p/s 27.83c/s 27.83C/s 123456..maggie
Use the "--show" option to display all of the cracked passwords reliably
Session completed.
```

Clone Git one more time

git clone git@github.com:IrisSec/skats-interesting-things.git

```

(kali㉿kali)-[~/CTFs/iris/skats-solved]
$ git clone git@github.com:IrisSec/skats-interesting-things.git
Cloning into 'skats-interesting-things' ...
Enter passphrase for key '/home/kali/.ssh/id_rsa':
remote: Enumerating objects: 30, done.
remote: Counting objects: 100% (30/30), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 30 (delta 9), reused 30 (delta 9), pack-reused 0
Receiving objects: 100% (30/30), 15.31 KiB | 2.55 MiB/s, done.
Resolving deltas: 100% (9/9), done.

```

List Content

```

(kali㉿kali)-[~/CTFs/iris/skats-solved]
$ ls -la skats-interesting-things
total 48
drwxr-xr-x 3 kali kali 4096 Jan  8 10:45 .
drwxr-xr-x 5 kali kali 4096 Jan  8 10:45 ..
-rw-r--r-- 1 kali kali 3303 Jan  8 10:45 article0.txt
-rw-r--r-- 1 kali kali 3498 Jan  8 10:45 article1.txt
-rw-r--r-- 1 kali kali 3370 Jan  8 10:45 article2.txt
-rw-r--r-- 1 kali kali 3785 Jan  8 10:45 article3.txt
-rw-r--r-- 1 kali kali 3961 Jan  8 10:45 article4.txt
-rw-r--r-- 1 kali kali 3658 Jan  8 10:45 article5.txt
-rw-r--r-- 1 kali kali 4021 Jan  8 10:45 article6.txt
-rw-r--r-- 1 kali kali 3681 Jan  8 10:45 article7.txt
drwxr-xr-x 8 kali kali 4096 Jan  8 10:45 .git
-rw-r--r-- 1 kali kali  678 Jan  8 10:45 README.md

```

Nothing

```

(kali㉿kali)-[~/CTFs/iris/skats-solved]
$ file skats-interesting-things/*
skats-interesting-things/article0.txt: Unicode text, UTF-8 text, with very long lines (532)
skats-interesting-things/article1.txt: ASCII text, with very long lines (583)
skats-interesting-things/article2.txt: ASCII text, with very long lines (612)
skats-interesting-things/article3.txt: ASCII text, with very long lines (563)
skats-interesting-things/article4.txt: ASCII text, with very long lines (580)
skats-interesting-things/article5.txt: ASCII text, with very long lines (577)
skats-interesting-things/article6.txt: Unicode text, UTF-8 text, with very long lines (614)
skats-interesting-things/article7.txt: ASCII text, with very long lines (646)
skats-interesting-things/README.md:   ASCII text, with very long lines (677)

```

Lets see log .. and nothing ...

```

(kali㉿kali)-[~/CTFs/iris/skats-solved]
$ cd skats-interesting-things/

(kali㉿kali)-[~/CTFs/iris/skats-solved/skats-interesting-things]
$ pwd
/home/kali/CTFs/iris/skats-solved/skats-interesting-things

(kali㉿kali)-[~/CTFs/iris/skats-solved/skats-interesting-things]
$ git log
commit 8ac9edbc072f2c632ba5061729335c1e3e7bc998 (HEAD -> main, origin/main, origin/HEAD)
Author: shawnduong <me@shawnd.xyz>
Date:   Tue Jan 2 10:48:53 2024 -0800

    Wrote an article.

```

Using tig tool, We can find the FLAG !!!!

```
(kali㉿kali)-[~/CTFs/iris/skats-solved/skats-interesting-things]
$ tig

2024-01-02 10:48 -0800 shawnduong o [main] (origin/main) (origin/HEAD) Wrote an article.
2023-12-31 10:48 -0800 shawnduong o Wrote an article.
2023-12-29 10:47 -0800 shawnduong o Wrote an article.
2023-12-28 10:46 -0800 shawnduong o Fix.
2023-12-27 10:46 -0800 shawnduong o Wrote an article.
2023-12-24 10:45 -0800 shawnduong o Wrote an article.
2023-12-21 10:44 -0800 shawnduong o Wrote an article.
2023-12-14 10:43 -0800 shawnduong o Wrote an article.
2023-12-11 10:42 -0800 shawnduong o Wrote an article.
2023-12-05 10:21 -0800 shawnduong i Initial commit.

commit 688ec84ca2877b924a083262a192eb4481050edc5
Author: shawnduong <me@shawnd.kyz>
AuthorDate: Thu Dec 28 10:46:53 2023 -0800
Commit: shawnduong <me@shawnd.kyz>
CommitDate: Fri Jan 5 10:46:53 2024 -0800

    Fix.

---
 article4.txt | 2 -
 1 file changed, 2 deletions(-)

diff --git a/article4.txt b/article4.txt
index 846ad0e..3312ad2 100644
--- a/article4.txt
+++ b/article4.txt
@@ -10,7 +10,5 @@ As AI becomes increasingly pervasive, ethical considerations and societal i
 The Future of AI:
 Looking ahead, the future of AI holds transformative possibilities. Advances in quantum comp

-irisctf{0h_cr4p_ive_left_my_k3ys_out_4nd_ab0ut}
-
Conclusion:
Artificial intelligence stands as a testament to humanity's capacity for innovation and expl
```

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