Autor: Luis Fueris Martín Fecha: 26-09-2016 Coms: Documentación sobre las herramientas utilizadas en
la imagen [cfreds_2015_data_leakage_pc.dd]. URL: http://www.cfreds.nist.gov/data_leakage_case/data-leakage-case.html
Documentación ========
kpartx - esta herramienta lee de la tabla de particiones del backup y crea un mapeo en el dispositivo [/dev/loop[0-7]] en el cual están las particiones creadas. Esto es llamado creación (o eliminación) en caliente.
Ejemplo man
To mount all the partitions in a raw disk image:
kpartx -av disk.img
This will output lines such as:
loop3p1 : 0 20964762 /dev/loop3 63
The loop3p1 is the name of a device file under /dev/mapper which you can use to access the partition, for example to fsck it:
<pre>fsck /dev/mapper/loop3p1</pre>
When you're done, you need to remove the devices:
kpartx -d disk.img
Montamos los dispositivos [/dev/mapper/loop0p[12]]:
<pre>\$> sudo mount -o ro,noexec,nodev,nosuid /dev/mapper/loop0p1 /mnt/windows/pc1/ \$> sudo mount -o ro,noexec,nodev,nosuid /dev/mapper/loop0p2 /mnt/windows/pc2/</pre>
Herramienta de [Linux] para manipular los registros de [Windoze]:
<pre>>> Forensic Registry EDitor \$> wget -q http://deb.pinguin.lu/debsign_public.key -0- sudo apt-key add -</pre>
Nos descargamos el [*.deb], en [https://pinguin.lu/pkgserver]
Sin embargo da muchos problemas en cuanto a su instalación Es mejor utilizar el comando [chntpw]. Con la opción [-e]
-e Registry editor with limited capabilities (but it does include write support). For a slightly more powerful editor see reged
Nueva herramienta para visualizar los registros de [Windoze] en [Linux] -> [RegRipper]
Instalación:

```
DEBIAN/UBUNTU
$> apt-get install cpanminus make unzip wget
FEDORA
$> dnf install perl-App-cpanminus.noarch make unzip wget perl-Archive-\
Extract-gz-gzip.noarch which
CENTOS/REDHAT
$> yum install perl-App-cpanminus.noarch make unzip wget perl-Archive-\
Extract-gz-gzip.noarch which
$> mkdir /usr/local/lib/rip-lib
$> wget https://github.com/keydet89/RegRipper2.8
$> cpanm -l /usr/local/lib/rip-lib Parse::Win32Registry
perl -pi -e 's/\r\n/\g' rip.pl
$> chmod +x rip.pl
Exit the first line of rip.pl to use your systems perl interpreter to \setminus
run rip.pl
\Rightarrow which perl | sed 's/\/\\//g' > /tmp/perlloc && sed -i \
"s/ c:\\\\perl\\\\bin\\\\perl.exe/\cat /tmp/perlloc\/" rip.pl
Add/Modify a few commands to allow the RegRipper plugins directory to be found:
$> echo $PWD | sed 's/\/\\//g' > /tmp/pwd && sed -i \
"s/use Getopt::Long;/use Getopt::Long;\nuse lib \'`cat /tmp/pwd`\/\';\n/" rip.pl
$> sed -i "s/plugindir = \"plugins\\\\\\/plugindir = \"
\"`cat /tmp/pwd`\/plugins\//" rip.pl
$> sed -i 's/require "plugins\\\".$plugins{$i}."\\.pl";/require \
"plugins\/".$plugins{$i}."\\.pl";/' rip.pl
 ______
[cpanm] es una herramienta para conseguir, descomprimir, construir e instalar
modulos de Perl.
Ejemplo [RegRipper]
[leviathan3773@latitude:RegRipper2.8 ] $ ./rip.pl -r /mnt/windows/hdd/Windows/\
System32/config/SAM -f sam
Parsed Plugins file.
Launching samparse v.20160203
samparse v. 20160203
(SAM) Parse SAM file for user & group mbrshp info
User Information
Username : Administrator [500]
Full Name :
User Comment : Built-in account for administering the computer/domain
Account Type : Default Admin User
Account Created: Wed Mar 25 10:33:22 2015 Z
Last Login Date : Sun Nov 21 03:47:20 2010 Z
Pwd Reset Date : Sun Nov 21 03:57:24 2010 Z
```

Pwd Fail Date : Never Login Count : 6

--> Password does not expire

--> Normal user account --> Account Disabled

Username : Guest [501]

Full Name

User Comment : Built-in account for guest access to the computer/domain Account Type : Default Guest Acct

Account Created : Wed Mar 25 10:33:22 2015 Z

Name

Last Login Date : Never Pwd Reset Date : Never Pwd Fail Date : Never Login Count : 0

--> Password not required --> Password does not expire

--> Normal user account --> Account Disabled

: informant [1000] Username

Full Name

User Comment

Account Type : Default Admin User

Account Created: Sun Mar 22 14:33:54 2015 Z

Name

: IAMAN Password Hint

Last Login Date : Wed Mar 25 14:45:59 2015 Z Pwd Reset Date : Sun Mar 22 14:33:54 2015 Z Pwd Fail Date : Wed Mar 25 14:45:43 2015 Z

Login Count : 10

--> Password not required --> Password does not expire

--> Normal user account

: admin11 [1001] Username

: admin11 Full Name

User Comment

Account Type : Default Admin User

Account Created: Sun Mar 22 15:51:54 2015 Z

Name

Last Login Date : Sun Mar 22 15:57:02 2015 Z Pwd Reset Date : Sun Mar 22 15:52:10 2015 Z Pwd Fail Date : Sun Mar 22 15:53:02 2015 Z

Login Count : 2

--> Password does not expire

--> Normal user account

: ITechTeam [1002] Username

Full Name : ITechTeam

User Comment

: Default Admin User Account Type

Account Created : Sun Mar 22 15:52:30 2015 Z

Name

Last Login Date : Never

Pwd Reset Date : Sun Mar 22 15:52:45 2015 Z Pwd Fail Date : Sun Mar 22 15:53:02 2015 Z

Login Count

--> Password does not expire

--> Normal user account

Username : temporary [1003] Full Name : temporary

User Comment

Account Type : Custom Limited Acct

Account Created : Sun Mar 22 15:53:01 2015 Z

Name

Last Login Date : Sun Mar 22 15:55:57 2015 Z Pwd Reset Date : Sun Mar 22 15:53:11 2015 Z Pwd Fail Date : Sun Mar 22 15:56:37 2015 Z Login Count : 1

--> Password does not expire

--> Normal user account

Group Membership Information

Group Name : Power Users [0]
LastWrite : Wed Mar 25 10:15:37 2015 Z

Group Comment: Power Users are included for backwards compatibility and

possess limited administrative powers

Users : None

Group Name : Remote Desktop Users [0]
LastWrite : Wed Mar 25 10:15:37 2015 Z

Group Comment: Members in this group are granted the right to logon remotely

: None Users

Group Name : Backup Operators [0]
LastWrite : Wed Mar 25 10:15:37 2015 Z

Group Comment : Backup Operators can override security restrictions for

the sole purpose of backing up or restoring files

Users : None

Group Name : Guests [1]

: Wed Mar 25 10:15:19 2015 Z LastWrite

Group Comment: Guests have the same access as members of the Users

group by default, except for the Guest account which is further restricted

Users:

S-1-5-21-2425377081-3129163575-2985601102-501

Group Name : Administrators [4]

LastWrite : Sun Mar 22 15:52:30 2015 Z Group Comment : Administrators have complete and unrestricted access

to the computer/domain

Users :

S-1-5-21-2425377081-3129163575-2985601102-1000 S-1-5-21-2425377081-3129163575-2985601102-500 S-1-5-21-2425377081-3129163575-2985601102-1001 S-1-5-21-2425377081-3129163575-2985601102-1002

Group Name : Replicator [0]
LastWrite : Wed Mar 25 10:15:37 2015 Z

Group Comment: Supports file replication in a domain

: None Users

Group Name : Cryptographic Operators [0] LastWrite : Wed Mar 25 10:15:37 2015 Z

Group Comment: Members are authorized to perform cryptographic operations.

: None Users

Group Name : Users [5]
LastWrite : Sun Mar 2 LastWrite : Sun Mar 22 15:53:01 2015 Z

Group Comment : Users are prevented from making accidental or intentional system-wide changes and can run most applications

Users :

S-1-5-21-2425377081-3129163575-2985601102-1002 S-1-5-21-2425377081-3129163575-2985601102-1001 S-1-5-21-2425377081-3129163575-2985601102-1003

S-1-5-11 S-1-5-4

Group Name : Performance Monitor Users [0] : Tue Jul 14 04:45:46 2009 Z LastWrite

Group Comment: Members of this group can access performance counter data

locally and remotely Users : None

Group Name : Distributed COM Users [0] : Tue Jul 14 04:45:47 2009 Z LastWrite

Group Comment: Members are allowed to launch, activate and use Distributed

COM objects on this machine.

Users : None

Group Name : Event Log Readers [0] LastWrite : Tue Jul 14 04:45:47 2009 Z

Group Comment: Members of this group can read event logs from local machine

Users : None

Group Name : Performance Log Users [0] : Tue Jul 14 04:45:46 2009 Z LastWrite

Group Comment : Members of this group may schedule logging of performance counters, enable trace providers, and collect event traces both locally and

via remote access to this computer

Users : None

Group Name : IIS_IUSRS [1]

: Tue Jul 14 04:45:47 2009 Z LastWrite

Group Comment : Built-in group used by Internet Information Services.

Users: S-1-5-17

Group Name : Network Configuration Operators [0]

LastWrite : Wed Mar 25 10:15:37 2015 Z
Group Comment : Members in this group can have some administrative privileges

to manage configuration of networking features

Users : None

Analysis Tips:

For well-known SIDs, see http://support.microsoft.com/kb/243330

-S-1-5-4 = Interactive

- S-1-5-11 = Authenticated Users

- Correlate the user SIDs to the output of the ProfileList plugin

samparse complete.

Para extraer de los registros el [Hash] de los passwords.

Normally, Windows store passwords on single computer systems in the registry in a hashed format using the NTLM algorithm. The registry file is located in

C:\windows\system32\config\SAM.

This area of the registry has restrictive permissions so that a normal user cannot see the contents of HKLM\SAM deep enough to access the hash. In order to view the hashes one must change the permissions on the registry keys, this requires an administrative account on the system in Windows XP. I am unsure if access is possible using an administrator account in Vista or 7.

Once one has access to the password hashes though, it is difficult to gain the passwords again. There are many places on the internet that you can find information about brute forcing a NTLM hash. However, if you are simply trying to reset a password, I would recommend using Offline NT Password and Registry Editor.

If you want to get your arms wet though, the hash is stored under the key

HKLM\SAM\SAM\Domains\Account\Users\00000XXX

with a value named V. The hash is stored at a variable offset that is stored at offset 0x9C and is a 4 byte little endian value.

Otra herramientas interesante para realizar un dump de los [hashes]:

Physical access

of -Given physical access to the system, typically during a laptop assessment or a successful social engineering engagement, the preferred way to safely dump the password hashes is to power off the machine, enter the BIOS menu at power-on time, review the boot order to allow boot from the optical drive and USB drive before local hard-disk, save the settings and reboot the system with your favourite GNU/Linux live distribution CD or USB stick. Two widely known tools to dump the local users' hashes from the SAM file, given the Windows file system block file, are bkhive and samdump2:

bkhive - dumps the syskey bootkey from a Windows system hive. samdump2 - dumps Windows 2k/NT/XP/Vista password hashes.

These tools are generally included in many GNU/Linux live distributions. If they're not, make sure to bring a copy of them with you. Usage:

bkhive
bkhive 1.1.1 by Objectif Securite
http://www.objectif-securite.ch
original author: ncuomo@studenti.unina.it

Usage: bkhive systemhive keyfile

samdump2
samdump2 1.1.1 by Objectif Securite

```
http://www.objectif-securite.ch
    original author: ncuomo@studenti.unina.it
   Usage:
    samdump2 samhive keyfile
Example of retrieving the SAM hashes from a Windows partition /dev/sdal:
   # mkdir -p /mnt/sda1
   # mount /dev/sdal /mnt/sdal
   # bkhive /mnt/sda1/Windows/System32/config/SYSTEM /tmp/saved-syskey.txt
   # samdump2 /mnt/sda1/Windows/System32/config/SAM /tmp/saved-syskey.txt > /tm
p/hashes.txt
[bkhive] se descarga pero no se instala... la solución es la siguiente:
 ______
The apt-get install bkhive command runs, but bkhive is not actually installed. I
found this workaround, however, downgrading to previous versions of bkhive and p
wdump2:
$> apt-get purge bkhive
$> apt-get purge pwdump2
$> apt-get purge samdump2
$> curl http://http.us.debian.org/debian/poo...1-1.1_i386.deb > samdump2_1.1.1-1
.1_i386.deb
$> dpkg -i samdump2_1.1.1-1.1_i386.deb
$> curl http://http.us.debian.org/debian/poo...1.1-1 i386.deb > bkhive 1.1.1-1 i
386.deb
$> dpkg -i bkhive_1.1.1-1_i386.deb
https://packages.debian.org/source/wheezy/bkhive
After that bkhive and pwdump2 work.
Para abrir archivos [.ost y .pst] utilizaremos la herramienta [lspst]. (No funci
con [.ost])
Una herramienta insteresante para recuperar ficheros borrados es [scalpel].
$> sudo apt install scalpel
$> sudo scalpel /dev/mapper/loop0p2 -o ~/Escritorio/scalpel/
El directorio destino debe estar vacío. Mucha información recabada con esta herr
amienta.
También está [Foremost]
Foremost: Forensics utility is a console program to recover files based on
their headers, footers, and internal data structures. This process is commonly
```

referred to as data carving. Foremost can work on image files, such as those generated by dd, Safeback, Encase, etc, or directly on a drive. The headers

and footers can be specified by a configuration file or you can use command line switches to specify built-in file types. These built-in types look at the data structures of a given file format allowing for a more reliable and faster recovery. You can install it in Ubuntu and its derivatives by typing

- \$> sudo apt install foremost
- \$> sudo foremost -t pdf -i /dev/mapper/loop0p2 -o ~/Escritorio/Foremost \$> sudo foremost -t all -i /dev/mapper/loop0p2 -o ~/Escritorio/Foremost

Para extraer los [ShellBags], es decir, las trazas de que directorios ha estado entrando y saliendo un determinado usuario, se puede utilizar [sbaq] (EN PRUEBA, PROBLEMAS CON LICENCIA??)

Otra herramienta interesante para extraer las ultimas ejecuciones de diversos pr ogramas

sería [ShimCacheParser]. Es utilizada para extraer la cache llamada [Application Compatibility Cache] ("Shimcache").

https://github.com/leviathan2701/ShimCacheParser

\$> git clone https://github.com/leviathan2701/ShimCacheParser

Un ejemplo de su ejecución sería:

\$> sudo python ShimCacheParser.py -v -i /mnt/windows/hdd/Windows/System32/config /SYSTEM -t -o SYSTEMCfreds.txt

\$> git clone https://github.com/leviathan2701/ShimCacheParser

Un ejemplo de su ejecución sería:

\$> sudo python ShimCacheParser.py -v -i /mnt/windows/hdd/Windows/System32/config /SYSTEM -t -o SYSTEMCfreds.txt

During a recent investigation, we found references to timestamps associated with probable malicious files that preceded the earliest known date of compromise. The ese

Application Compatibility Cache ("Shimcache") timestamps were the only evidence linked to this timeframe.

The Windows Shimcache was created by Microsoft beginning in Windows XP to track compatibility issues with executed programs. The cache stores various file metad

depending on the operating system, such as:

File Full Path File Size \$Standard_Information (SI) Last Modified time Shimcache Last Updated time Process Execution Flag

Similar to a log file, the Shimcache also "rolls" data, meaning that the oldest

is replaced by new entries. The amount of data retained varies by operating syst

Additional information on Shimcache can be found in the Mandiant blog post by An drew Davis.

It is important to understand there may be entries in the Shimcache that were no t actually executed. Based on our current understanding of the Shimcache, there are two act that can cause the Shimcache to record an entry: A file is executed. This is recorded on all versions of Windows beginning wi th XP. On Windows Vista, 7, Server 2008, and Server 2012, the Application Experience Lookup Service may record Shimcache entries for files in a directory tha t a user interactively browses. For example, if a directory contains the files "f oo.txt" and "bar.exe", a Windows 7 system may record entries for these two files in the Shimcache. Microsoft designed the Shimcache in Windows Vista, 7, Server 2008 and Server 201 2 to incorporate a "Process Execution Flag" category for each entry. The actual name and true pur of this flag is still unknown, however, we have observed that the Client/Server Runtime Subsystem (CSRSS) process will set this flag during process creation/exe on those operating systems. Simply put, the Process Execution Flag, where presen makes it easier for the investigator to determine whether or not an entry was executed or if this entry was added a result of an activity other than file execution, such as interactively browsing a directory. These entries can be easily spotted by observing if the Process Execution Flag is marked as FALSE. Below is an example of entries from a Windows Server 2012 Shimcache. Notice the two entries which were not executed. URL [http://forensicsblog.org/tag/mounting-shadow-copies/] URL [http://epvxforensics.com/] URL [https://msdn.microsoft.com/en-us/library/windows/desktop/aa384612(v=vs.85). Más herramientas utilizadas [sleuthkit]: sudo apt-get install sleuthkit Además de [libvshadow]: libvshadow by Joachim Metz is an excellent tool for conducting a deeper analysis of shadow copies. We'll set up the tool's requirements and set it up from its la test

Instalamos las dependencias:

source below.

\$> sudo apt install libfuse-dev --> NECESARIO?¿

\$> sudo apt install libvshadow-utils

```
Para saber el offset:
```

[leviathan3773@latitude:System Volume Information] \$ mmls ~/Escritorio/cfreds/R esources/DDs/cfreds_2015_data_leakage_pc.dd
DOS Partition Table
Offset Sector: 0
Units are in 512-byte sectors

Slot Start End Length Description

000: Meta 000000000 000000000 0000000001 Primary Table (#0) Unallocated 001: 000000000 0000002047 0000002048 NTFS / exFAT (0x07)NTFS / exFAT (0x07)000:000 0000206847 0000204800 002: 0000002048 0000206848 003: 000:001 0041940991 0041734144 Unallocated 004: -----0041940992 0041943039 0000002048 [leviathan3773@latitude:System Volume Information] \$

Ahora hay que multiplicar el punto de inicio, en este caso [206848] por 512 (105 906176)

[sudo mount -t ntfs -o ro,offset=65536 shadows.dd /mnt/evidence]

Utlización:

\$> vshadowinfo -o [offset] [image]

Ejemplo:

URL [http://epyxforensics.com/mounting-shadow-volumes-in-linux-ubuntu-12-04/]

[leviathan3773@latitude:~] \$ sudo vshadowinfo -o 105906176 Escritorio/cfreds/Re sources/DDs/cfreds_2015_data_leakage_pc.dd vshadowinfo 20160110

Volume Shadow Snapshot information: Number of stores: 1

Store: 1

Identifier : 9b365826-d2ef-11e4-b734-000c29ff2429

Shadow copy set ID : 56e43eb5-ac18-4f06-a521-1e17712b7ced

Creation time : Mar 25, 2015 14:57:27.293805500 UTC Shadow copy ID : 8fla2a2d-ce6b-42a5-b92b-fl3e65d9c2cb

Volume size : 21367881728 bytes Attribute flags : 0x0042000d

Para montarlo correctamente:

[leviathan3773@latitude:~] \$ sudo vshadowmount -o 105906176 Escritorio/cfreds/R esources/DDs/cfreds_2015_data_leakage_pc.dd /mnt/vssvolume/vshadowmount 20160110

Como podemos observar:

```
[leviathan3773@latitude:~] $ sudo ls -la /mnt/vssvolume total 4 dr-xr-xr-x 2 root root 0 sep 22 12:27 . drwxr-xr-x 4 root root 4096 sep 22 12:24 . . -r--r--- 1 root root 21367881728 ene 1 1970 vss1 [leviathan3773@latitude:~] $
```

Puede haber algunos problemas:

```
[leviathan3773@latitude:mnt ] $ ls -lat
ls: no se puede acceder a 'vssvolume': Permiso denegado
total 12
drwxr-xr-x 4 root root 4096 sep 22 12:24
drwxr-xr-x 24 root root 4096 sep 21 09:43 ...
drwxr-xr-x 6 root root 4096 sep 12 14:45 windows
d????????
[leviathan3773@latitude:mnt ] $ ls -lat vssvolume
ls: no se puede acceder a 'vssvolume': Permiso denegado
[leviathan3773@latitude:mnt ] $ sudo ls -lat vssvolume
total 4
                              0 sep 22 12:27 .
4096 sep 22 12:24 ..
dr-xr-xr-x 2 root root
drwxr-xr-x 4 root root
-r--r-- 1 root root 21367881728 ene 1 1970 vss1
[leviathan3773@latitude:mnt ] $
```

Solución

From here you can image, carve and/or use the sleuthkit against the vss1 shadow volume. To access the directory structure of the shadow volume we need to mount it using the mount command. But before we do that, we need to designate a location where we can temporarily mount the shadow volume as a file system. To keep things simple, let's create a directory called vss1logical in the root of the mnt folder. Type the below command into the terminal and press enter. Type your root password (if needed).

sudo mkdir /mnt/vss1logical

To mount that shadow volume as a file system, type the following into the termin al.

sudo mount -o ro /mnt/vssvolume/vss1 /mnt/vss1logical/

Mount is the command to mount a file system. The -o flag specifies the options for mounting. In this instance we opted to mount it as a "ro" read-only file system. /Mnt/vssvolume/vss1 is the shadow volume, and /mnt/vssllogical/ is the mount point. Press enter, and type your root password (if needed).

Your shadow volume is now mounted as a file system under /mnt/vss1logical/. Change directory (cd) into the vss1logical directory and run ls -l.

```
[leviathan3773@latitude:mnt ] $ sudo mount -o ro,noexec,nosuid,nodev /mnt/vssvol
ume/vss1 /mnt/vss1logical/
[leviathan3773@latitude:mnt ] $ cd /mnt/vssllogical/
[leviathan3773@latitude:vss1logical ] $ ls
Documents and Settings MSOCache
                                      PerfLogs Program Files
                                                                       Recovery
     System Volume Information Windows
hiberfil.svs
                       pagefile.sys ProgramData Program Files (x86)
                                                                        $Recycle
.Bin Users
[leviathan3773@latitude:vss1logical ] $ df -hT
S.ficheros
                            Tipo
                                     Tamaño Usados
                                                    Disp Uso% Montado en
                            devtmpfs
                                       3,9G
udev
                                                 0
                                                     3,9G
                                                            0% /dev
                            tmpfs
                                               9,5M
                                       788M
                                                    779M
                                                            2% /run
tmpfs
/dev/sdb1
                             ext4
                                       103G
                                               81G
                                                      17G
                                                           83% /
```

tmpfs	tmpfs	3,9G	560K	3,9G	1%	/dev/shm
tmpfs	tmpfs	5,0M	4,0K	5,0M	1%	/run/lock
tmpfs	tmpfs	3,9G	0	3,9G	0%	/sys/fs/cgroup
tmpfs	tmpfs	788M	96K	788M	1%	/run/user/1000
/home/leviathan3773/.Private	ecryptfs	103G	81G	17G	83%	/home/leviathan37
73	,					
/dev/mapper/loop0p2	fuseblk	20G	17G	3,4G	84%	/mnt/windows/hdd
/dev/mapper/loop1p1	vfat	1020M	224M	797M	22%	/mnt/windows/rm2
/dev/loop2	udf	703M	703M	0	100%	/media/leviathan3
773/IAMAN CD						
/dev/sda2	fuseblk	112G	106G	6,3G	95%	/media/leviathan3
773/E062E8AC62E8891C						
/dev/loop4	fuseblk	20G	18G	2,8G	87%	/mnt/vssllogical
[leviathan3773@latitude:vss1	logical]	\$		-		J

Una herramienta para ver archivos que han sido eliminador de [SQLite] sería: [https://github.com/mdegrazia/SQLite-Deleted-Records-Parser]

Su uso sería el siguiente:

\$> sudo python sqlparse_v1.3.py -f /mnt/vssllogical/Users/informant/AppData/Loc
al/Google
 /Drive/user_default/snapshot.db -o report.tsv

Offset Length Data Unallocated 1034 986 v EK M OBzOye6gXtiZaVl8yVU5mWHlGbWcdo u wanna build a_snow_man.mp3TUxmho2c4553f99533d85adb104b3a5c38521afilej/ M 0Bz0ve6gXtiZaakx6d3 $R\overline{3}c0Jm\overline{M}1Uhappy_holiday.jpgTUxj0c77d6a2704155dbfdf29817769b7478file$ 1016 #EOBzOye6gXtiZaVl8yVU5mWHlGbWcroot%OBzOye6gXtiZaakx6d3R3 Unallocated 3080 c0JmM1Uroot Unallocated 7186 206 rN##Utablecloud_entrycloud_entryCREATE TABLE cloud_entry (doc_id TEXT, filename TEXT, modified InTEGER, created INTEGER, acl_role Integé Unallocated 8202 Unallocated 9232 324) TablemappingmappingCREATE TABLE mapping (inode_number INTEGER, doc_id TEXT, UNIQUE (inode_number), FOREIGN KEY (inode_number) REFERENC ES local_entry(inode_number), FOREIGN KEY (doc_id) REFERENCES cloud_entry(doc_id))- Aindexsqlite_autoindex_mapping_1mapping,##Tablelocal_ Unallocated $1024\overline{8}$ 1016 %) $\overline{\$}$) Unallocated 13322 997 'E0Bz0ye6gXtiZaVl8yVU5mWHlGbWc)E0Bz0ye6gXtiZaakx6d3R3c0JmM