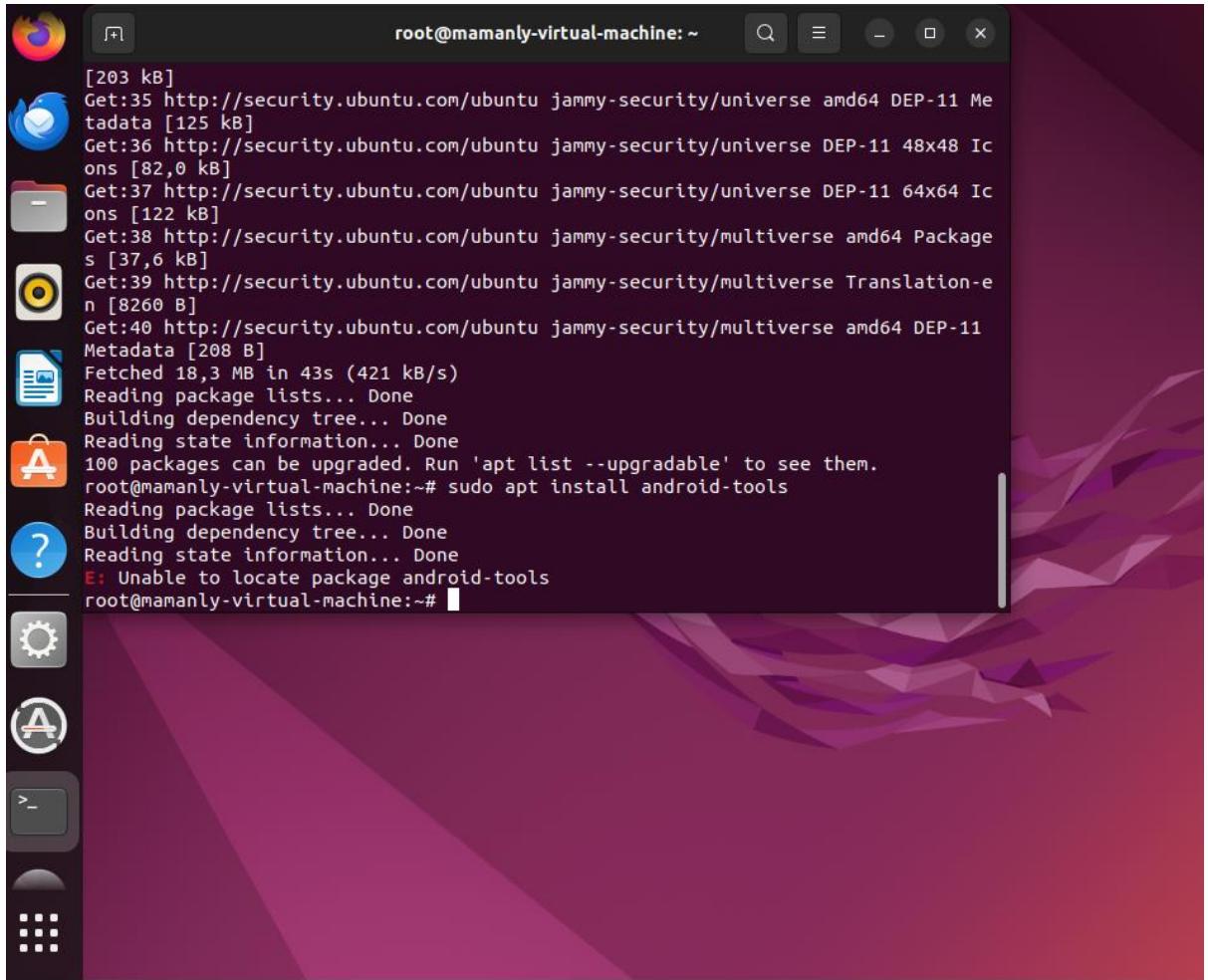


TP sur l'acquisition des données mobiles avec Android Deby bridge (ADB)

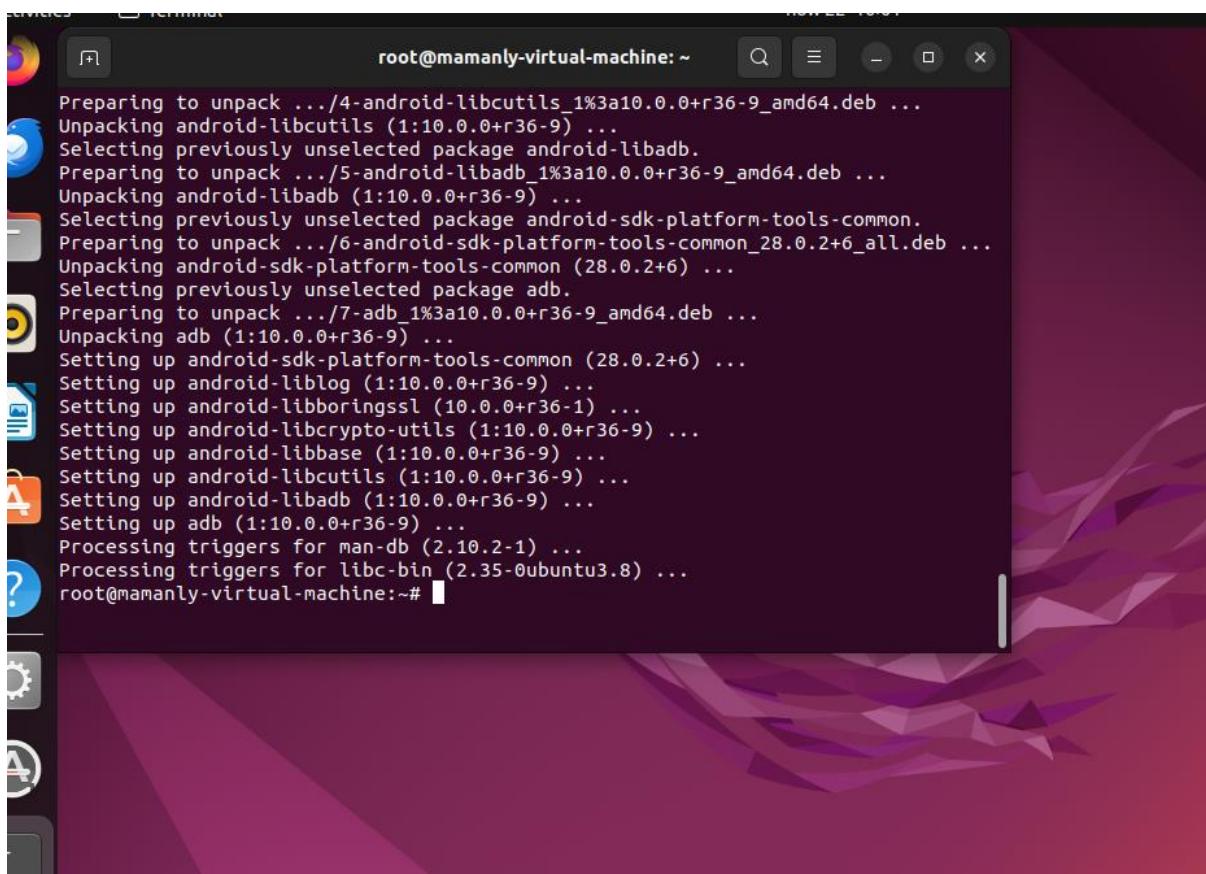
Etape d'acquisition des données ADB

1. Vérification de la connexion
2. Connectons le téléphone android à l'ordinateur USB
3. Nous allons ouvrir notre terminal ubuntu pour tapez la commande suivante
Adb devices

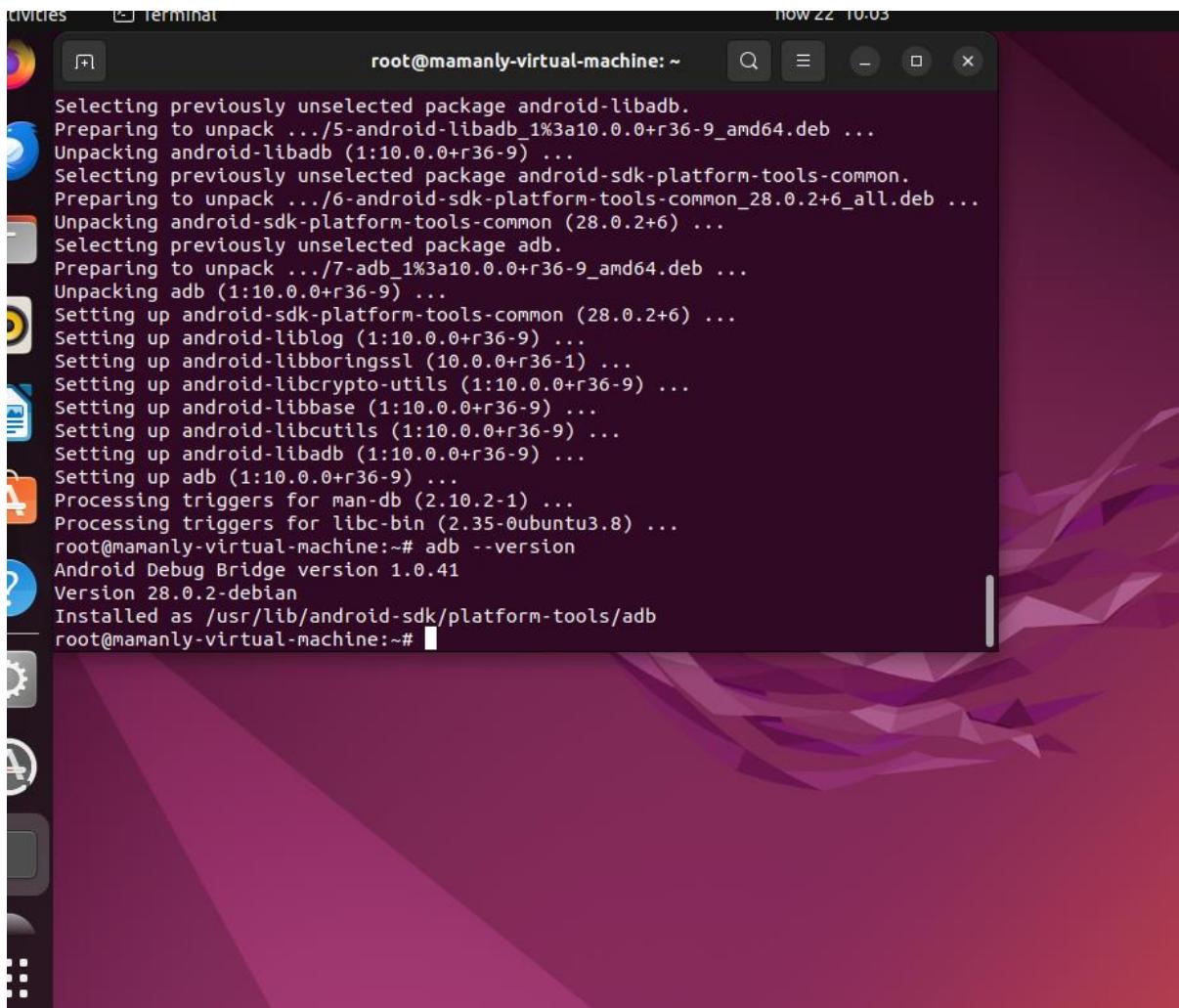


```
[203 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [125 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/universe DEP-11 48x48 Icons [82,0 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe DEP-11 64x64 Icons [122 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37,6 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [8260 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 DEP-11 Metadata [208 B]
Fetched 18,3 MB in 43s (421 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
100 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@mamanly-virtual-machine:~# sudo apt install android-tools
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package android-tools
root@mamanly-virtual-machine:~#
```

Nous avons tapé la commande sudo apt install android-tools

A screenshot of a Ubuntu desktop environment. In the center, a terminal window titled "root@mamanly-virtual-machine: ~" displays the output of an APT install command. The output shows the installation of various Android-related packages, including android-libcutils, android-libadb, android-sdk-platform-tools-common, and adb. The terminal window has a dark theme with white text. The desktop background is a purple and red abstract geometric pattern. On the left side of the screen, there is a vertical dock containing icons for various applications, including a file manager, a terminal, and system settings.

Nous avons installer ADB dans dans le terminal en tapant APT INSTALL ADB



A screenshot of a Linux desktop environment, likely Ubuntu, showing a terminal window titled "Terminal". The terminal window is dark-themed and displays the following command-line session:

```
Selecting previously unselected package android-libadb.
Preparing to unpack .../5-android-libadb_1%3a10.0.0+r36-9_amd64.deb ...
Unpacking android-libadb (1:10.0.0+r36-9) ...
Selecting previously unselected package android-sdk-platform-tools-common.
Preparing to unpack .../6-android-sdk-platform-tools-common_28.0.2+6_all.deb ...
Unpacking android-sdk-platform-tools-common (28.0.2+6) ...
Selecting previously unselected package adb.
Preparing to unpack .../7-adb_1%3a10.0.0+r36-9_amd64.deb ...
Unpacking adb (1:10.0.0+r36-9) ...
Setting up android-sdk-platform-tools-common (28.0.2+6) ...
Setting up android-liblog (1:10.0.0+r36-9) ...
Setting up android-libboringssl (10.0.0+r36-1) ...
Setting up android-libcrypto-utils (1:10.0.0+r36-9) ...
Setting up android-libbase (1:10.0.0+r36-9) ...
Setting up android-libcutils (1:10.0.0+r36-9) ...
Setting up android-libadb (1:10.0.0+r36-9) ...
Setting up adb (1:10.0.0+r36-9) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.8) ...
root@mamanly-virtual-machine:~# adb --version
Android Debug Bridge version 1.0.41
Version 28.0.2-debian
Installed as /usr/lib/android-sdk/platform-tools/adb
root@mamanly-virtual-machine:~#
```

Nous avons vérifier la version adoptez ant de continuer

ADB devices

```
etting up android-libadb (1:10.0.0+r36-9) ...
etting up adb (1:10.0.0+r36-9) ...
rocessing triggers for man-db (2.10.2-1) ...
rocessing triggers for libc-bin (2.35-0ubuntu3.8) ...
oot@mamanly-virtual-machine:~# adb --version
ndroid Debug Bridge version 1.0.41
ersion 28.0.2-debian
nstalled as /usr/lib/android-sdk/platform-tools/adb
oot@mamanly-virtual-machine:~# adb devices
`daemon not running; starting now at tcp:5037
`daemon started successfully
ist of devices attached

oot@mamanly-virtual-machine:~#
```

Apres cela nous allons vérifier la commande



```
Windows PowerShell
Copyright (C) Microsoft Corporation. Tous droits réservés.

Installez la dernière version de PowerShell pour de nouvelles fonctionnalités et améliorations ! https://aka.ms/PSWindows

PS C:\Users\parra> adb devices
* daemon not running; starting now at tcp:5037
* daemon started successfully
List of devices attached

PS C:\Users\parra> adb --version
Android Debug Bridge version 1.0.41
Version 35.0.2-12147458
Installed as C:\Users\parra\Downloads\platform-tools\adb.exe
Running on Windows 10.0.22631
PS C:\Users\parra> adb
Android Debug Bridge version 1.0.41
Version 35.0.2-12147458
Installed as C:\Users\parra\Downloads\platform-tools\adb.exe
Running on Windows 10.0.22631

global options:
-a                listen on all network interfaces, not just localhost
-d                use USB device (error if multiple devices connected)
-e                use TCP/IP device (error if multiple TCP/IP devices available)
-s SERIAL          use device with given serial (overrides $ANDROID_SERIAL)
-t ID              use device with given transport id
-H                name of adb server host [default=localhost]
-p                port of adb server [default=5037]
-L SOCKET          listen on given socket for adb server [default=tcp:localhost:5037]
--one-device SERIAL|USB only allowed with 'start-server' or 'server nodaeamon', server will only connect to one USB device, specified by a serial number or
USB device address.
--exit-on-write-error exit if stdout is closed

general commands:
devices [-l]        list connected devices (-l for long output)
help               show this help message
version            show version num

networking:
connect HOST[:PORT]    connect to a device via TCP/IP [default port=5555]
```



```
[vendor.ril.fd.mode]: []
[vendor.ril.ipo.radiooff]: [0]
[vendor.ril.mtk]: []
[vendor.ril.mtk.hvolte_indicator]: [0,0]
[vendor.ril.mux.ee.mdl]: [0]
[vendor.ril.mux.report.case]: [0]
[vendor.ril.mux.start]: [0]
[vendor.ril.muxreport.run]: [0]
[vendor.ril.no.smc.1]: [0]
[vendor.ril.no.smc.2]: [0]
[vendor.ril.nw.type]: [0]
[vendor.ril.nw.signalstrength.lte.1]: [-97,4]
[vendor.ril.nw.signalstrength.lte.2]: [-104,11]
[vendor.ril.worldmode.activemode]: [1]
[vendor.ril.nw.worldmode.keep_3g_mode]: [0]
[vendor.ril.rc.session.idl]: [-1]
[vendor.ril.sim.onoff.support]: [1]
[vendor.ril.sim.uicc.applications.enable.state]: [0]
[vendor.ril.sim.uicc.applications.enable.state.2]: [0]
[vendor.ril.simswitch.no_reset_support]: [1]
[vendor.ril.simswitch.tpluswsupport]: [1]
[vendor.ril.special.ecclist]: []
[vendor.ril.special.ecclist1]: []
[vendor.service.nvram.init]: [Ready]
[vendor.soter.teei.googlekey.model]: [gust]
[vendor.soter.teei.googlekey.status]: [ok]
[vendor.soter.teei.init]: [INIT_OK]
[vendor.soter.teei.login]: [start]
[vendor.soter.teei.persist]: [OPEN]
[vendor.soter.teei.rpmb.flag]: [ok]
[vendor.soter.teei.thh.info]: [{"version":"2.0","st_thh":false,"st_wechat":true,"st_ifaa":false}]
[vendor.sys.feature_state]: [255]
[vendor.sys.rpmb.state]: [22]
[vendor.sys.vm.extrafrekbytes]: [45375]
[vendor.wlan.driver.version]: [1_0_1]
[vendor.wlan.firmware.version]: [t-neptune-mp-soc1_0e1-2015-tc8sp-TALBOT_SOC1_0_E1 ASIC-20230201121711]
[vold.has_adoptable]: []
[vold.has_compress]: [0]
[vold.has_quota]: [1]
[vold.has_reserved]: [1]
PS C:\Users\parra>
```

ADB SHELL GETPROP

Cela fournit des informations comme la marque , le modèle la version d'Android

EXPORTER LES SMS



```
[void].has_quota: [1]
[void].has_reserved: [1]
PS C:\Users\parra> adb exec-out content query --uri content://sms/> sms backup.txt
usage: adb shell content [subcommand] [options]

usage: adb shell content insert --uri <URI> [--user <USER_ID>] --bind <BINDING> [--bind <BINDING>...] [--extra <BINDING>...]
<URI> is a content provider URI.
<BINDING> binds a typed value to a column and is formatted:
<COLUMN_NAME>:<TYPE>:<COLUMN_VALUE> where:
<TYPE> specifies data type such as:
b - boolean, s - string, i - integer, l - long, f - float, d - double, n - null
Note: Omit the value for passing an empty string, e.g column:s:
Example:
# Add "new_setting" secure setting with value "new_value".
adb shell content insert --uri content://settings/secure --bind name:s:new_setting --bind value:s:new_value

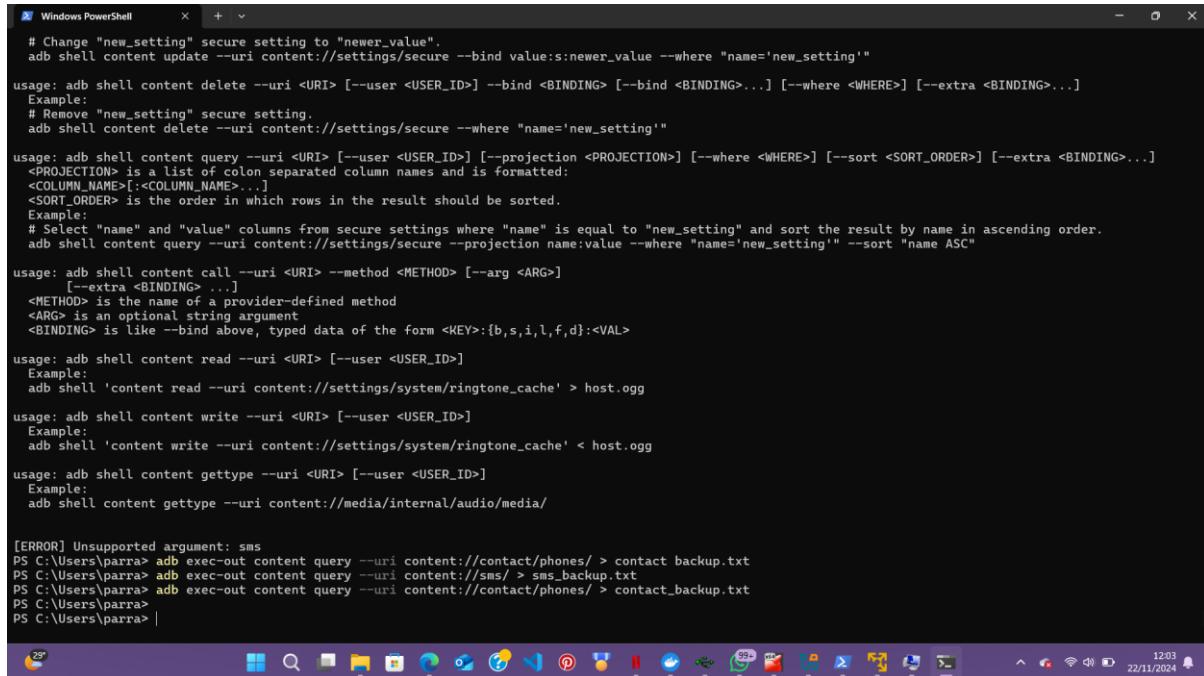
usage: adb shell content update --uri <URI> [--user <USER_ID>] [--where <WHERE>] [--extra <BINDING>...]
<WHERE> is a SQL style where clause in quotes (You have to escape single quotes - see example below).
Example:
# Change "new_setting" secure setting to "newer_value".
adb shell content update --uri content://settings/secure --bind value:s:newer_value --where "name='new_setting'"

usage: adb shell content delete --uri <URI> [--user <USER_ID>] --bind <BINDING> [--bind <BINDING>...] [--where <WHERE>] [--extra <BINDING>...]
Example:
# Remove "new_setting" secure setting.
adb shell content delete --uri content://settings/secure --where "name='new_setting'"

usage: adb shell content query --uri <URI> [--user <USER_ID>] [-projection <PROJECTION>] [-where <WHERE>] [--sort <SORT_ORDER>] [--extra <BINDING>...]
<PROJECTION> is a list of colon separated column names and is formatted:
<COLUMN_NAME>[:<COLUMN_NAME>...]
<SORT_ORDER> is the order in which rows in the result should be sorted.
Example:
# Select "name" and "value" columns from secure settings where "name" is equal to "new_setting" and sort the result by name in ascending order.
adb shell content query --uri content://settings/secure --projection name:value --where "name='new_setting'" --sort "name ASC"

usage: adb shell content call --uri <URI> --method <METHOD> [--arg <ARG>]
[--extra <BINDING> ...]
<METHOD> is the name of a provider-defined method
<ARG> is an optional string argument
<BINDING> is like --bind above, typed data of the form <KEY>:{b,s,i,l,f,d}:@VAL
```

EXPORTER LES CONTACTS



```
# Change "new_setting" secure setting to "newer_value".
adb shell content update --uri content://settings/secure --bind value:s:newer_value --where "name='new_setting'"

usage: adb shell content delete --uri <URI> [--user <USER_ID>] --bind <BINDING> [--bind <BINDING>...] [--where <WHERE>] [--extra <BINDING>...]
Example:
# Remove "new_setting" secure setting.
adb shell content delete --uri content://settings/secure --where "name='new_setting'"

usage: adb shell content query --uri <URI> [--user <USER_ID>] [--projection <PROJECTION>] [--where <WHERE>] [--sort <SORT_ORDER>] [--extra <BINDING>...]
<PROJECTION> is a list of colon separated column names and is formatted:
<COLUMN_NAME>[:<COLUMN_NAME>...]
<SORT_ORDER> is the order in which rows in the result should be sorted.
Example:
# Select "name" and "value" columns from secure settings where "name" is equal to "new_setting" and sort the result by name in ascending order.
adb shell content query --uri content://settings/secure --projection name:value --where "name='new_setting'" --sort "name ASC"

usage: adb shell content call --uri <URI> --method <METHOD> [--arg <ARG>]
[--extra <BINDING> ...]
<METHOD> is the name of a provider-defined method
<ARG> is an optional string argument
<BINDING> is like --bind above, typed data of the form <KEY>:{b,s,i,l,f,d}<VAL>

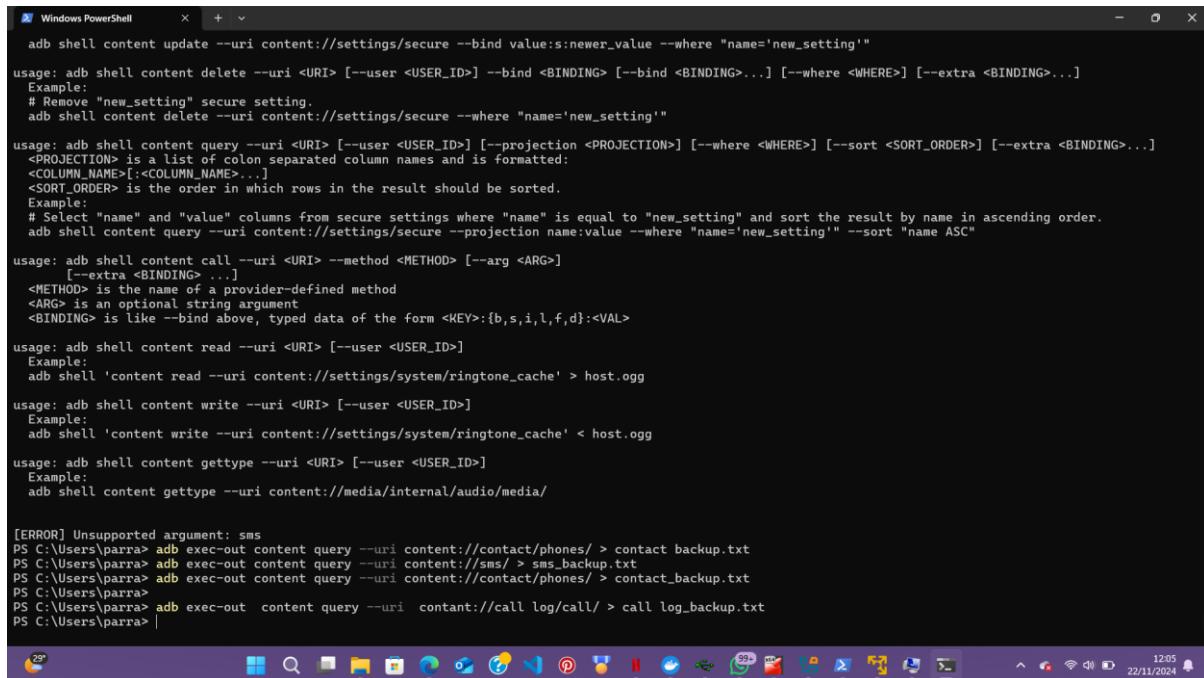
usage: adb shell content read --uri <URI> [--user <USER_ID>]
Example:
adb shell 'content read --uri content://settings/system/ringtone_cache' > host.ogg

usage: adb shell content write --uri <URI> [--user <USER_ID>]
Example:
adb shell 'content write --uri content://settings/system/ringtone_cache' < host.ogg

usage: adb shell content gettype --uri <URI> [--user <USER_ID>]
Example:
adb shell content gettype --uri content://media/internal/audio/media

[ERROR] Unsupported argument: sms
PS C:\Users\parra> adb exec-out content query --uri content://contact/phones/ > contact_backup.txt
PS C:\Users\parra> adb exec-out content query --uri content://sms/ > sms_backup.txt
PS C:\Users\parra> adb exec-out content query --uri content://contact/phones/ > contact_backup.txt
PS C:\Users\parra>
PS C:\Users\parra> |
```

L'exportation des historique des appels



```
adb shell content update --uri content://settings/secure --bind value:s:newer_value --where "name='new_setting'"

usage: adb shell content delete --uri <URI> [--user <USER_ID>] --bind <BINDING> [--bind <BINDING>...] [--where <WHERE>] [--extra <BINDING>...]
Example:
# Remove "new_setting" secure setting.
adb shell content delete --uri content://settings/secure --where "name='new_setting'"

usage: adb shell content query --uri <URI> [--user <USER_ID>] [--projection <PROJECTION>] [--where <WHERE>] [--sort <SORT_ORDER>] [--extra <BINDING>...]
<PROJECTION> is a list of colon separated column names and is formatted:
<COLUMN_NAME>[:<COLUMN_NAME>...]
<SORT_ORDER> is the order in which rows in the result should be sorted.
Example:
# Select "name" and "value" columns from secure settings where "name" is equal to "new_setting" and sort the result by name in ascending order.
adb shell content query --uri content://settings/secure --projection name:value --where "name='new_setting'" --sort "name ASC"

usage: adb shell content call --uri <URI> --method <METHOD> [--arg <ARG>]
[--extra <BINDING> ...]
<METHOD> is the name of a provider-defined method
<ARG> is an optional string argument
<BINDING> is like --bind above, typed data of the form <KEY>:{b,s,i,l,f,d}<VAL>

usage: adb shell content read --uri <URI> [--user <USER_ID>]
Example:
adb shell 'content read --uri content://settings/system/ringtone_cache' > host.ogg

usage: adb shell content write --uri <URI> [--user <USER_ID>]
Example:
adb shell 'content write --uri content://settings/system/ringtone_cache' < host.ogg

usage: adb shell content gettype --uri <URI> [--user <USER_ID>]
Example:
adb shell content gettype --uri content://media/internal/audio/media

[ERROR] Unsupported argument: sms
PS C:\Users\parra> adb exec-out content query --uri content://contact/phones/ > contact_backup.txt
PS C:\Users\parra> adb exec-out content query --uri content://sms/ > sms_backup.txt
PS C:\Users\parra> adb exec-out content query --uri content://contact/phones/ > contact_backup.txt
PS C:\Users\parra>
PS C:\Users\parra> adb exec-out content query --uri content://call_log/call/ > call_log_backup.txt
PS C:\Users\parra> |
```