



Alan German & Chris Taylor

Ottawa PC Users' Group

April 3, 2024



YouTubeTech

Simon Sez IT



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Microsoft Office 365 for
Beginners: 12+ Hours of...

Simon Sez IT ✓
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Excel Formulas to Improve...

Simon Sez IT ✓
Premieres 4/2/24, 10:00 AM



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Simon Sez IT ✓
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Organization Tips for Beginners

928 views • 2 weeks ago



Windows 11 Tutorial: Tips and
Tricks Guide

2.2K views • 2 weeks ago



How to Set Filters in Gmail to
Organize Your Email

2.5K views • 8 months ago



Zoom Tutorial for Beginners: ⋮
How to Use Zoom Video...

Simon Sez IT ✓

Tutorial markers:

0:00:00 Introduction

08:25 Hosting a Zoom Meeting

10:25 Joining a Zoom Meeting

11:20 Zoom Meeting Audio Controls (in a meeting)

12:33 Zoom Meeting Video Controls (in a meeting)

14:00 Inviting People to a Zoom Meeting (in a meeting)

15:33 Manage Participants in a Zoom Meeting

17:10 Sharing Your Screen in Zoom

19:14 Using Chat in Zoom

20:14 Recording a Zoom Meeting

21:23 Gallery and Speaker View in Zoom

24:54 Ending a Zoom Meeting

26:20 Scheduling a Zoom Meeting

30:40 Scheduling a Zoom Meeting from your Calendar

32:30 Joining a Zoom Meeting

33:00 Meeting Templates in Zoom

34:06 Profile and Settings in Zoom

35:07 Troubleshooting in Zoom

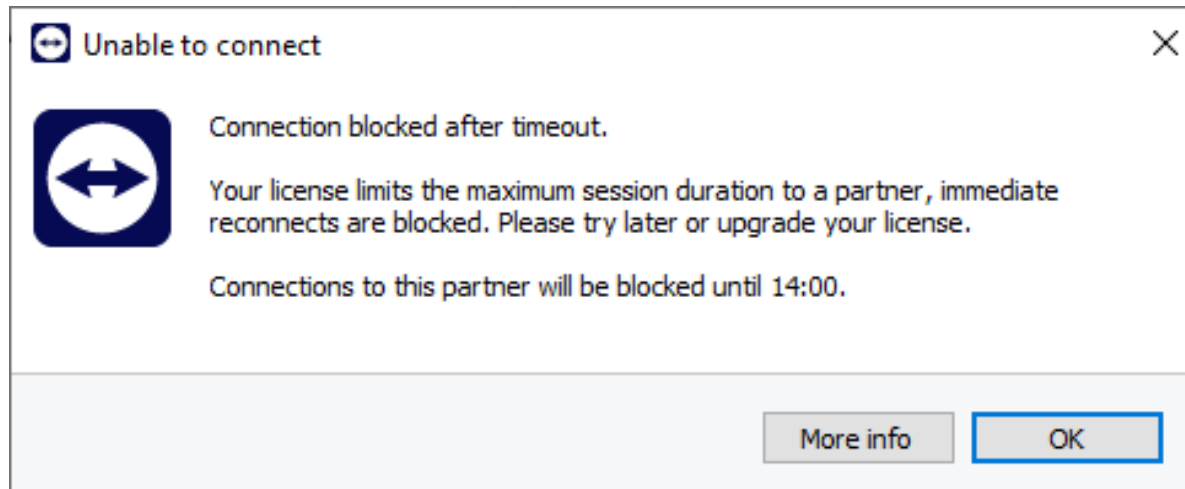
https://www.youtube.com/watch?v=U_JohBDMur4

- TWIT - a variety of tech shows
<https://www.youtube.com/@twit>
- Network Chuck - useful deep dives into computing
<https://www.youtube.com/@NetworkChuck>
- Rob Braxman Tech - privacy and security, prepper and ham radio
<https://www.youtube.com/@robbraxmantech>
- Chris Titus Tech - various PC topics
<https://www.youtube.com/@ChrisTitusTech>
- Brett In Tech - assorted lists/ BestOf/ ...
<https://www.youtube.com/@BrettInTech>

Share

TeamViewer no longer useful?

- Recent update causes connection to be blocked



- Blocked until 14:00
- Then 14:01, then 14:02...
- Switch to Quick Assist?

<https://opcug.ca/presentations/2023-05-MembersFavourite-QuickAssist.pdf>

Share

PBS NOVA

A.I. Revolution



- Nova Season 51, episode 51



- <https://www.pbs.org/video/ai-revolution-umwwlt/>
- Appears to be geo-blocked
 - plays fine in Opera with VPN enabled



Tracking tracking devices

- Story on CTV news about US motorists returning from Montreal needing to lookout for tracking devices
- Car theft and smuggling drugs/firearms
- Is there an Android app that can scan for air tags?
- How close must the phone be to detect a signal?
- Does the phone require wireless data service?
- How long must the app run to detect an air tag?
- Can the app be used as a direction finder to find the tag?
- Can you cause an air tag to beep to locate it?



Tracker Detect



- Free app from Apple
- Looks for AirTag and compatible devices
- Uses Bluetooth
- 2.2 stars out of 5



I scanned for my parents' air tags on their dogs, which were lying within 10 feet and it only detected one of them

<https://play.google.com/store/apps/details?id=com.apple.trackerdetect>



AirGuard - AirTag protection

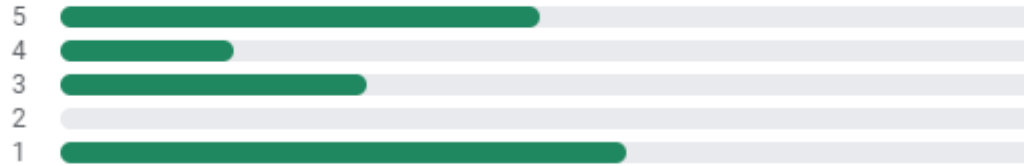
- The app periodically scans your surroundings for tracking devices, like AirTags or other Find My devices



3.0



775 reviews



After several months it's proven to reliably detect both known and unknown airtags

https://play.google.com/store/apps/details?id=de.seemoo.at_tracking_detection.release

Share

Android built-in *Unknown tracker alert*

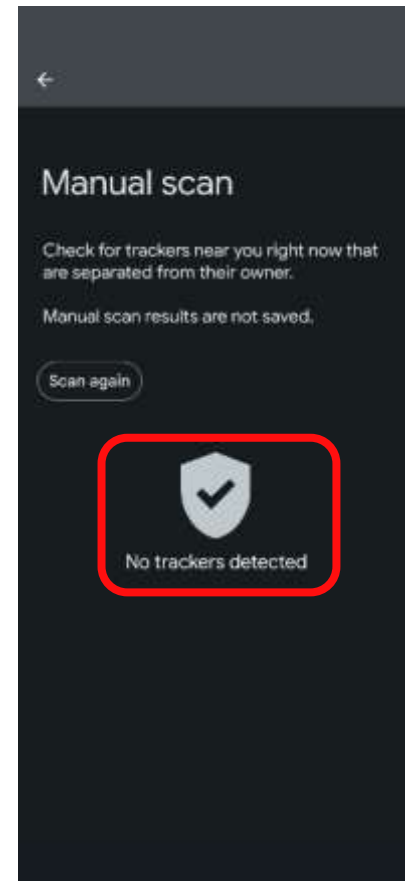
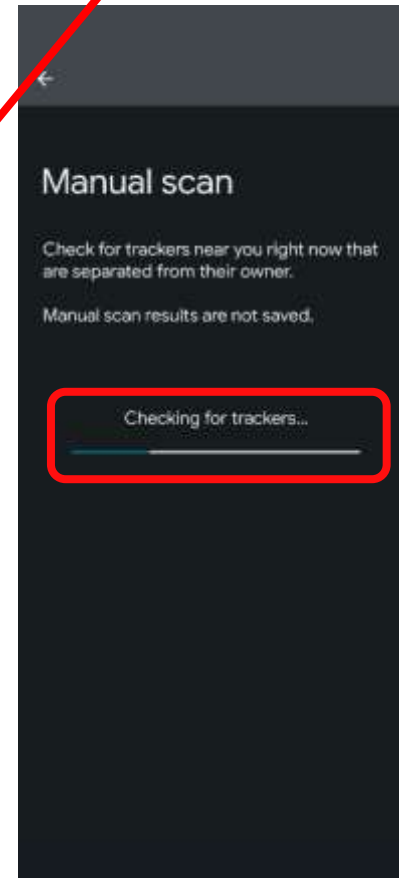
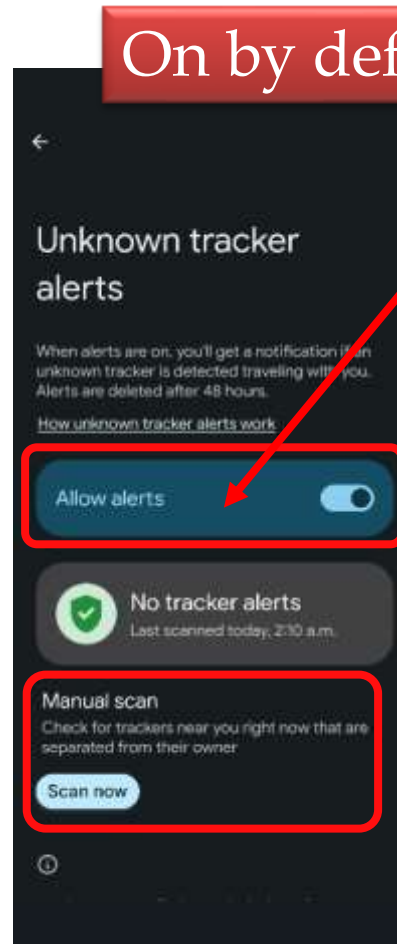
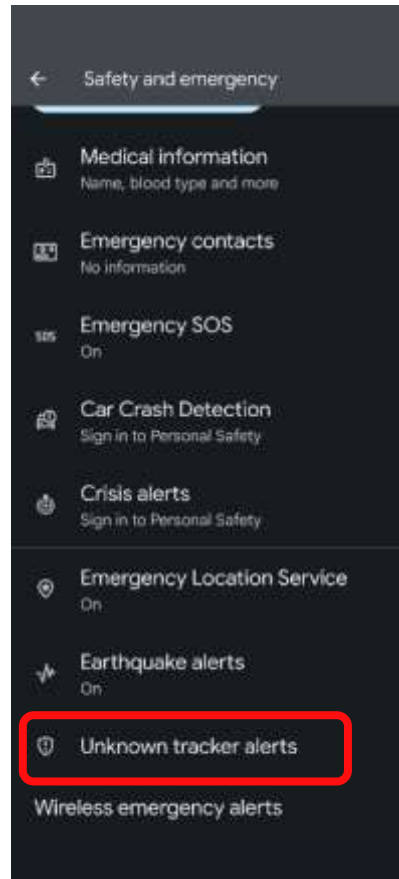
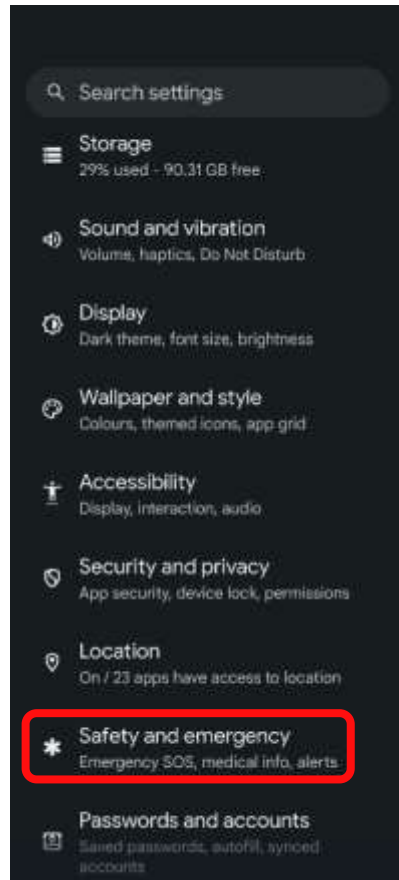


- Currently only works with Apple AirTags
 - small devices you can attach to items, like keys or a backpack
 - help you locate them if they get lost
- Trackers can be misused to track others
 - without their knowledge or consent
- *Unknown tracker alert* sent if someone else's tracker is:
 - out of Bluetooth range from owner
 - detected to be traveling with you
 - need to physically move with tracker over time to receive an alert
- Alerts you to tracker, how to find it, & what to do next

<https://support.google.com/android/answer/13658562>

Share

Manual scan for trackers



On by default (Google Pixel 6)

Share

Finding a tracker

- Tap tracker notification to open a map
- Find where the tracker has been detected
- Tap *Play sound*: causes the tracker to make a sound
 - owner won't be notified
- Follow sound made by the tracker to locate it
- If you find the tracker, tap *Next steps*
- Follow onscreen instructions
- Lots more details
 - <https://support.google.com/android/answer/13658562>



March 31, 2024

Beep,
beep,
beep...



Foxclone

- Open source (GPL)
- Andy Hardwick (and Larry Hale)
- Linux (only)
- 64-bit (only)
- Live-distro (USB/CD/DVD)
- Front end for *partclone*
- Supports:
 - MBR and GPT
 - ext4, NTFS, and FAT32



<https://foxclone.org>

Two versions:

(1) Standard version

- Based on Ubuntu 18.04 (Bionic Beaver)
- PC's made prior to 2019

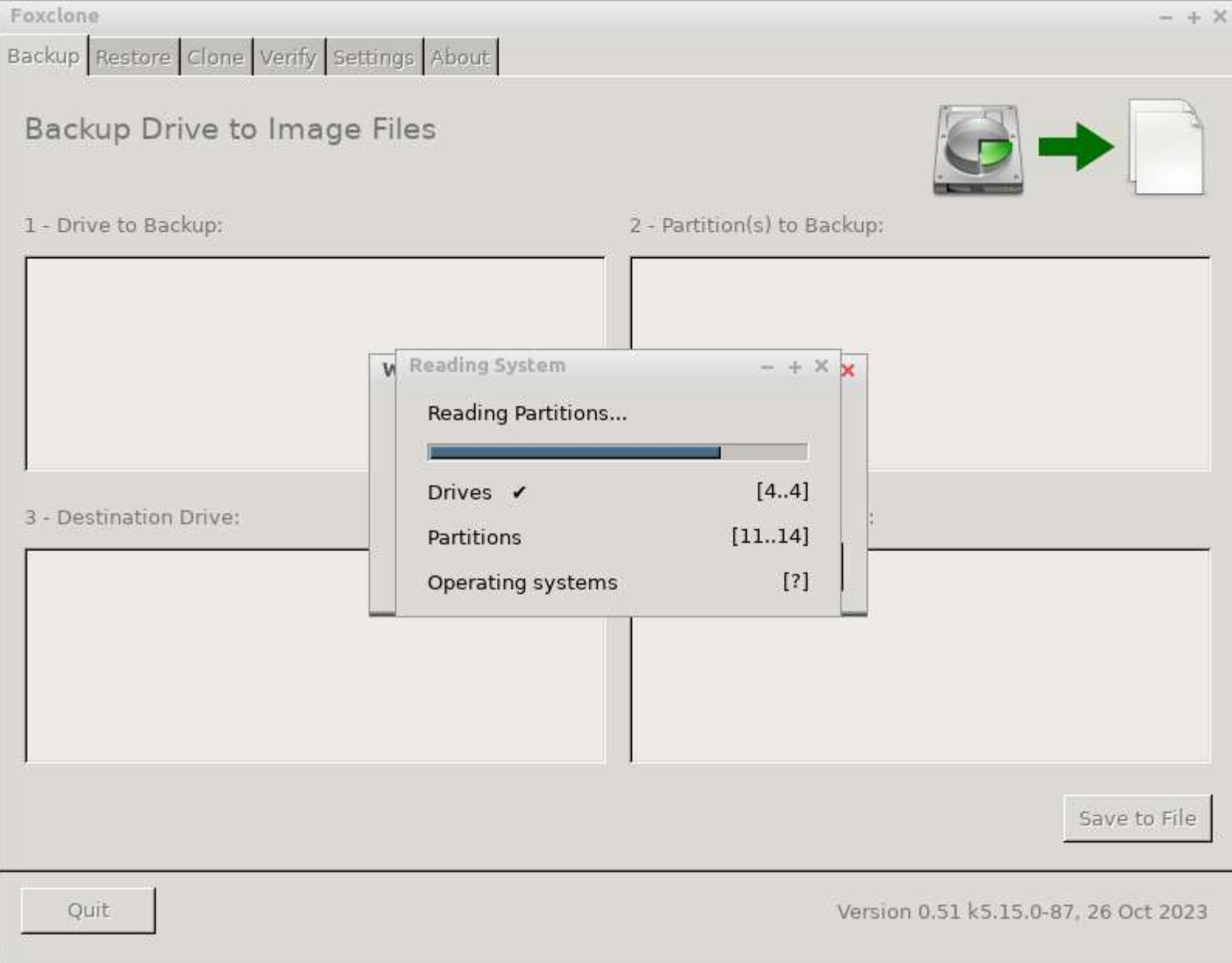
(2) Focal Version

- Based on Ubuntu 20.04 (Focal Fossa)
- Newer PC's



Focal version (based on Ubuntu 20.04)





Foxclone



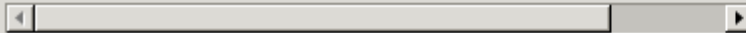
Backup | Restore | Clone | Verify | Settings | About

Backup Drive to Image Files



1 - Drive to Backup:

- ☐ sda • ATA Samsung SSD 840 • 250GB • Partition table
- ☐ sdb • WD My Book 1230 • 32.0TB • Partition table MS
- ☐ sdd • Generic- SD/MMC/MS PRO • 62GB • Partition tal



2 - Partition(s) to Backup:

Empty box for selecting partition(s) to backup.

3 - Destination Drive:

Empty box for selecting destination drive.

4 - Destination Partition:

Empty box for selecting destination partition.

Save to File

Quit

Version 0.51 k5.15.0-87, 26 Oct 2023

Foxclone

Backup

Restore

Clone

Verify

Settings

About

Backup Drive to Image Files

Source



1 - Drive to Backup:

- ☐ sda • ATA Samsung SSD 840 • 250GB • Partition table
- ☐ sdb • WD My Book 1230 • 32.0TB • Partition table MS
- ☐ sdd • Generic- SD/MMC/MS PRO • 62GB • Partition table

2 - Partition(s) to Backup:

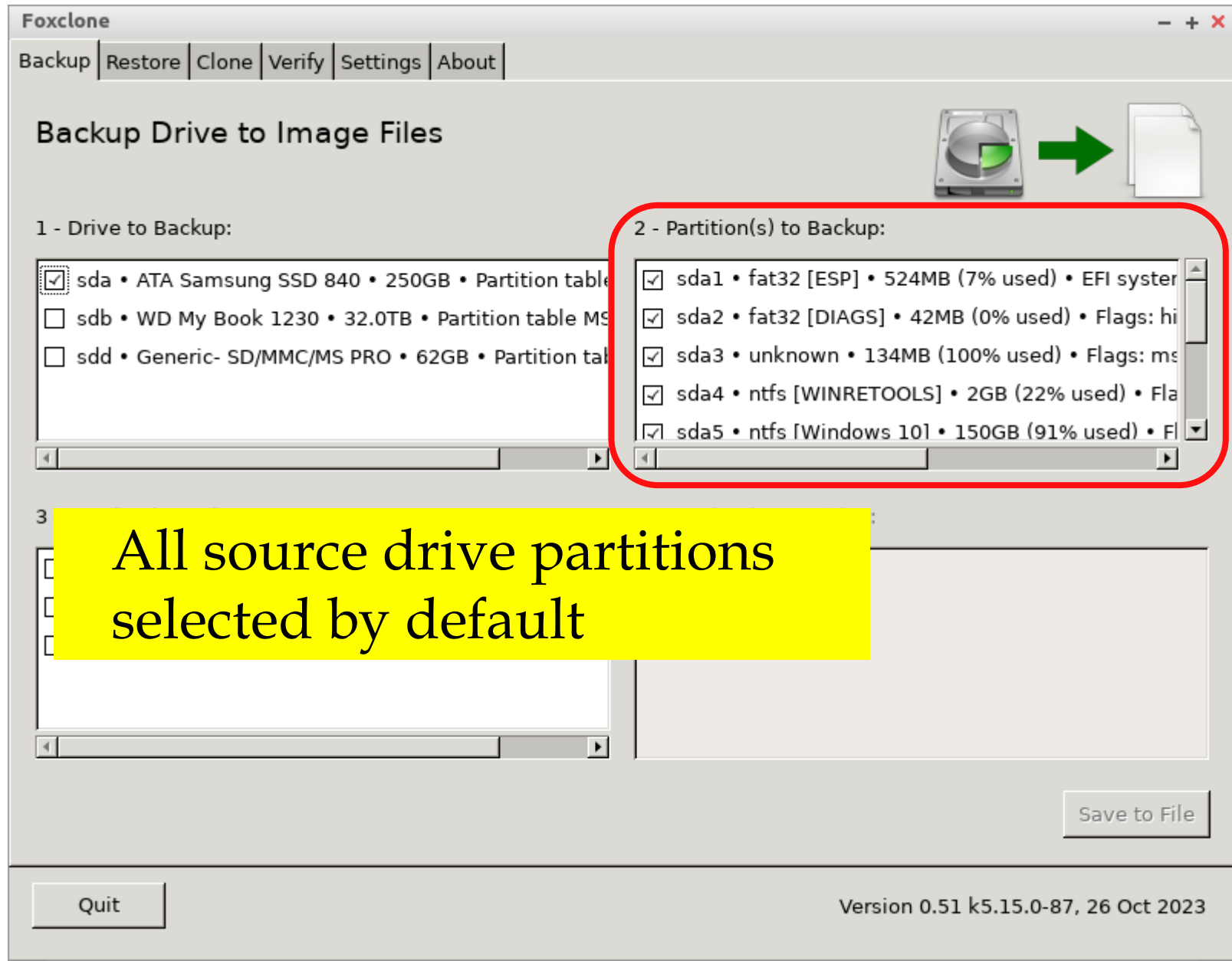
3 - Destination Drive:

4 - Destination Partition:

Save to File

Quit

Version 0.51 k5.15.0-87, 26 Oct 2023



Foxclone

Backup | Restore | Clone | Verify | Settings | About

Backup Drive to Image Files



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- ☒ sda • ATA Samsung SSD 840 • 250GB • Partition table
- ☐ sdb • WD My Book 1230 • 32.0TB • Partition table MS
- ☐ sdd • Generic- SD/MMC/MS PRO • 62GB • Partition tal

2 - Partition(s) to Backup:

- ☒ sda1 • fat32 [ESP] • 524MB (7% used) • EFI system
- ☒ sda2 • fat32 [DIAGS] • 42MB (0% used) • Flags: hi
- ☒ sda3 • unknown • 134MB (100% used) • Flags: ms
- ☒ sda4 • ntfs [WINRETOOLS] • 2GB (22% used) • Fla
- ☒ sda5 • ntfs [Windows 10] • 150GB (91% used) • Fl

3 - Destination Drive:

- ☒ sdb • WD My Book 1230 • 32.0TB • Partition table MS
- ☐ sdc • Kingston DataTraveler 3.0 • 31GB • Partition tal
- ☐ sdd • Generic- SD/MMC/MS PRO • 62GB • Partition tal

4 - Destination Partition:

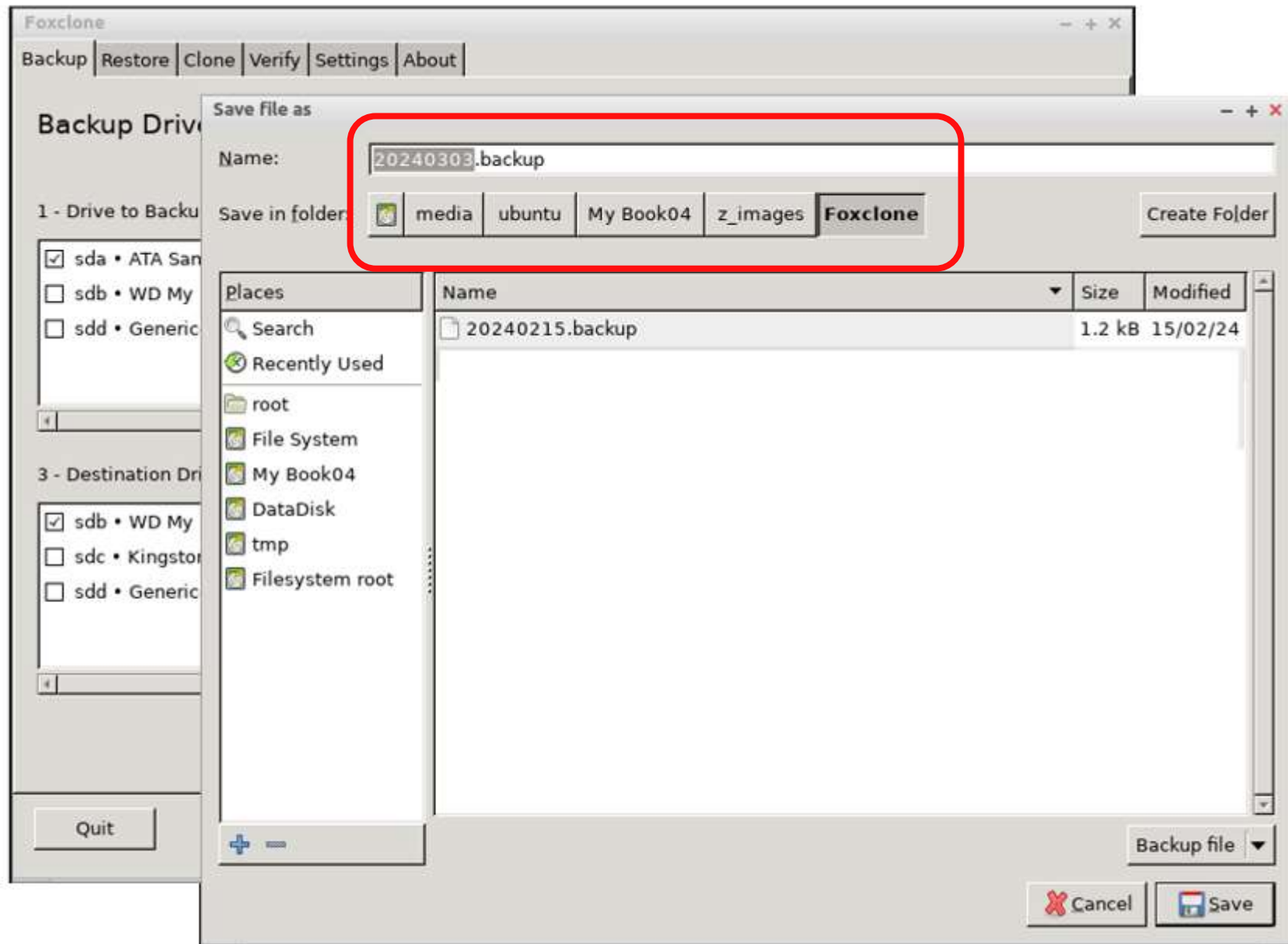
Empty box for selecting a destination partition.

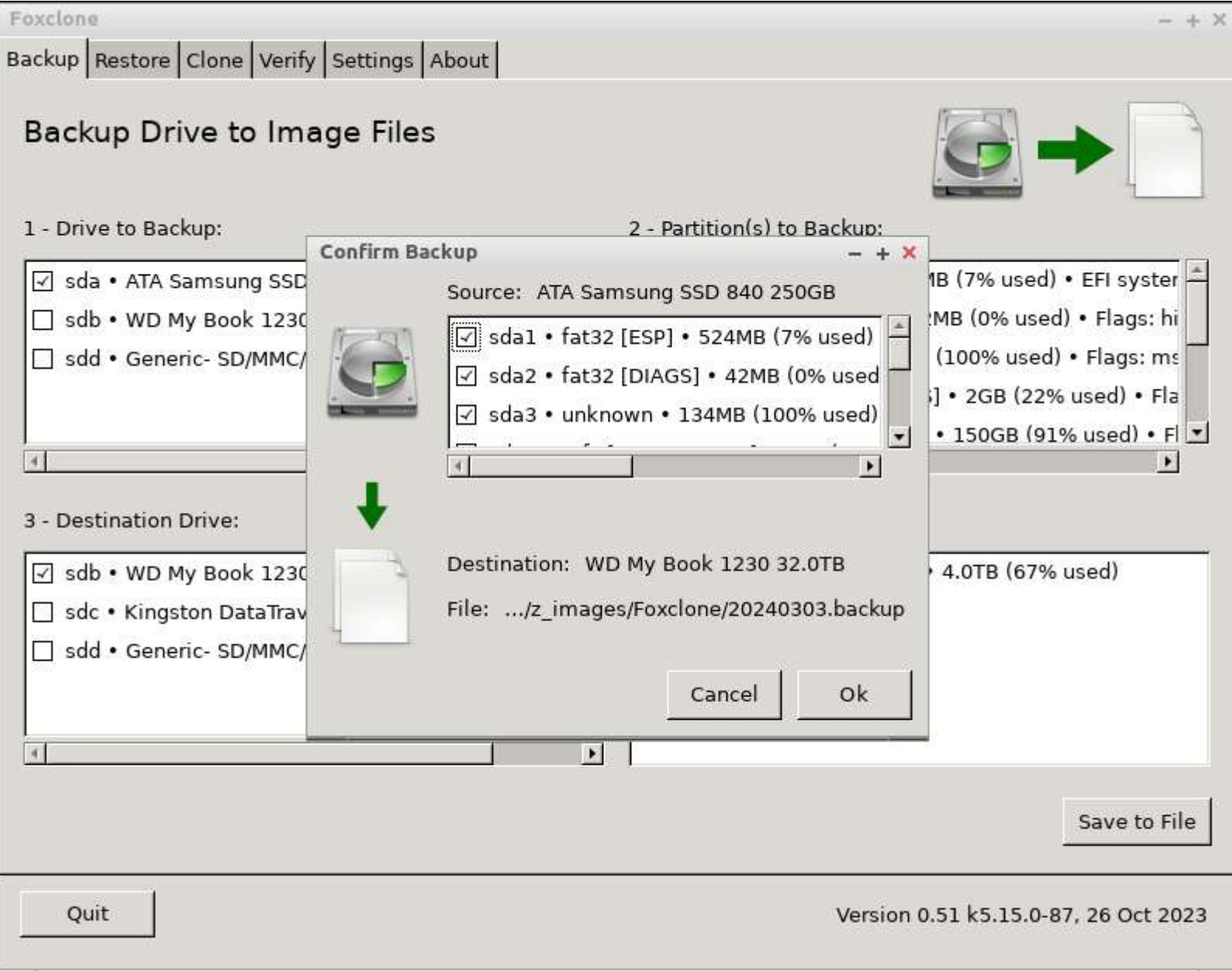
Save to File

Quit

Target

Version 0.51 k5.15.0-87, 26 Oct 2023





Backing up sda5

File system: NTFS

Device size: 149.7 GB

Space in use: 136.3 GB



Elapsed: 00:03:50, Remaining: 00:27:17, Completed: 12.32%, 4.38GB/min



Overall: 00:04:05, Remaining: 00:36:39, Completed: 10.02%, 4.27GB/min

Partition table [Complete 00:00:00]

sda1 • fat32 • 524MB [Complete 00:00:02]

sda2 • fat32 • 42MB [Complete 00:00:02]

sda3 • unknown • 134MB [Complete 00:00:02]

sda4 • ntfs • 2GB [Complete 00:00:08]

sda5 • ntfs • 150GB [Started]

sda6 • ntfs • 555MB [Not Started]

sda7 • ntfs • 18GB [Not Started]

sda8 • ntfs • 12GB [Not Started]

sda9 • ext4 • 63GB [Not Started]

sda10 • swap • 4GB [Not Started]

Add Note

Cancel

Finish

Backing up sda5

File system: NTFS

Device size: 149.7 GB

Space in use: 136.3 GB



Elapsed: 00:03:50, Remaining: 00:27:17, Completed: 12.32%, 4.38GB/min



Overall: 00:04:05, Remaining: 00:36:39, Completed: 10.02%, 4.27GB/min

Partition table [Complete 00:00:00]

sda1 • fat32 • 524MB [Complete 00:00:02]

sda2 • fat32 • 42MB [Complete 00:00:02]

sda3 • unknown • 134MB [Complete 00:00:02]

sda4 • ntfs • 2GB [Complete 00:00:08]

sda5 • ntfs • 150GB [Started]

sda6 • ntfs • 555MB [Not Started]

sda7 • ntfs • 18GB [Not Started]

sda8 • ntfs • 12GB [Not Started]

sda9 • ext4 • 63GB [Not Started]

sda10 • swap • 4GB [Not Started]

Add Note

Cancel

Finish

Backup complete



Backup complete



Overall: 00:42:34, Remaining: 00:00:00, Completed: 100.00%, 4.08GB/min

Partition table [Complete 00:00:00]

sda1 • fat32 • 524MB [Complete 00:00:02]

sda2 • fat32 • 42MB [Complete 00:00:02]

sda3 • unknown • 134MB [Complete 00:00:02]

sda4 • ntfs • 2GB [Complete 00:00:08]

sda5 • ntfs • 150GB [Complete 00:32:50]

sda6 • ntfs • 555MB [Complete 00:00:08]

sda7 • ntfs • 18GB [Complete 00:01:46]

sda8 • ntfs • 12GB [Complete 00:03:42]

sda9 • ext4 • 63GB [Complete 00:03:53]

sda10 • swap • 4GB [Complete 00:00:00]

Add Note

Cancel

Finish

My Book04 (M:) > z_images > Foxclone

☐ Name	Date modified	Size
 20240303.backup	2024-03-03 4:43 AM	2 KB
 20240303.grub	2024-03-03 4:01 AM	1,024 KB
 20240303.sda1.img.gz	2024-03-03 4:01 AM	17,571 KB
 20240303.sda1-log.txt	2024-03-03 4:01 AM	1 KB
 20240303.sda2.img.gz	2024-03-03 4:01 AM	22 KB
 20240303.sda2-log.txt	2024-03-03 4:01 AM	1 KB
 20240303.sda3.img.gz	2024-03-03 4:01 AM	45,629 KB
 20240303.sda3-log.txt	2024-03-03 4:01 AM	1 KB
 20240303.sda4.img.gz	2024-03-03 4:01 AM	417,847 KB
 20240303.sda4-log.txt	2024-03-03 4:01 AM	1 KB
 20240303.sda5.img.gz	2024-03-03 4:34 AM	77,332,175 ...
 20240303.sda5-log.txt	2024-03-03 4:34 AM	1 KB

My Book04 (M:) > z_images > Foxclone

☐ Name	Date modified	Size
 20240303.backup	2024-03-03 4:43 AM	2 KB
 20240303.grub	2024-03-03 4:01 AM	1,024 KB
 20240303.sda1.img.gz	2024-03-03 4:01 AM	17,571 KB
 20240303.sda1-log.txt	2024-03-03 4:01 AM	1 KB
 20240303.sda2.img.gz	2024-03-03 4:01 AM	22 KB
 20240303.sda2-log.txt		
 20240303.sda3.img.gz		
 20240303.sda3-log.txt		
 20240303.sda4.img.gz		
 20240303.sda4-log.txt		
 20240303.sda5.img.gz		
 20240303.sda5-log.txt		

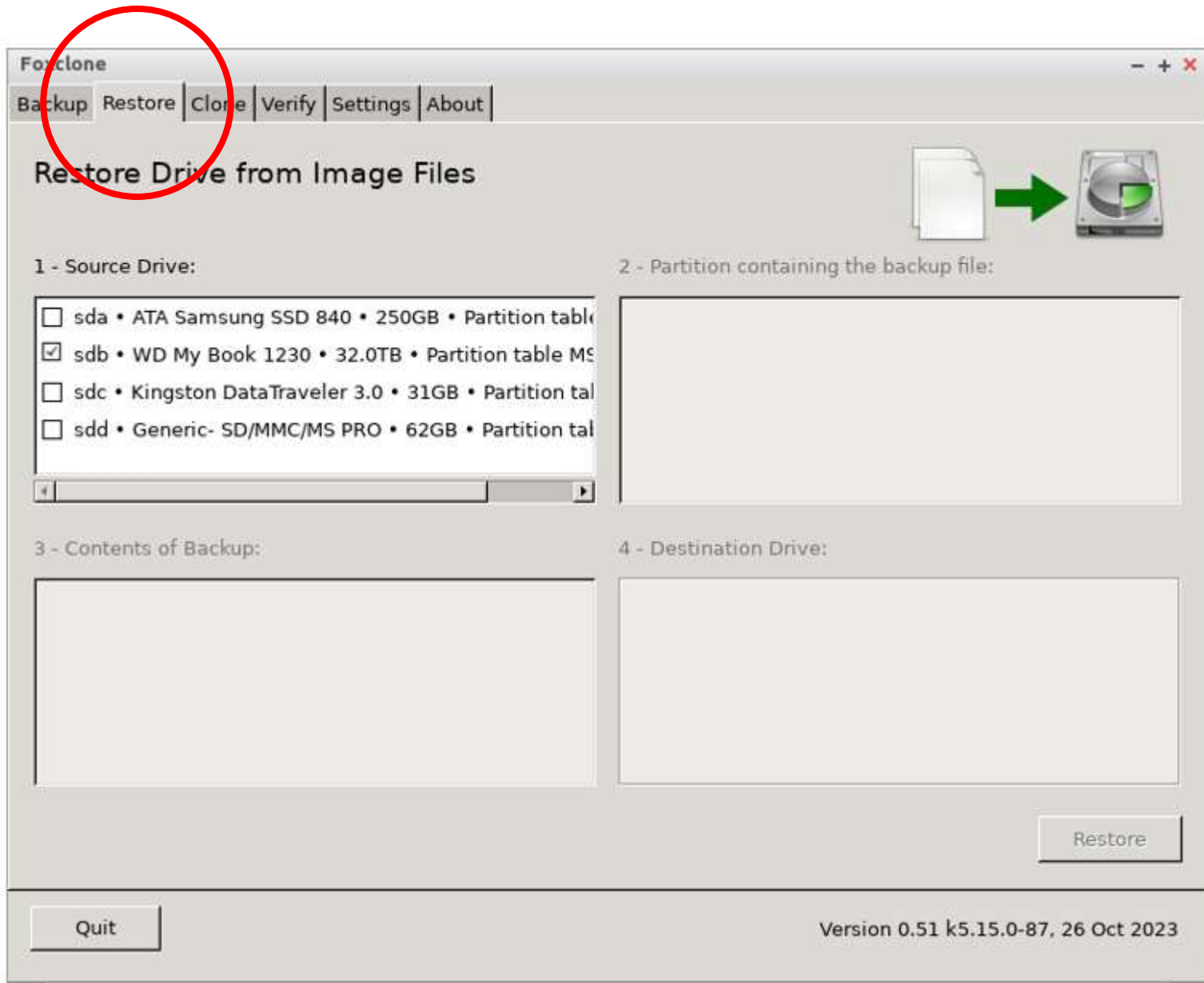
Main backup file pairs:

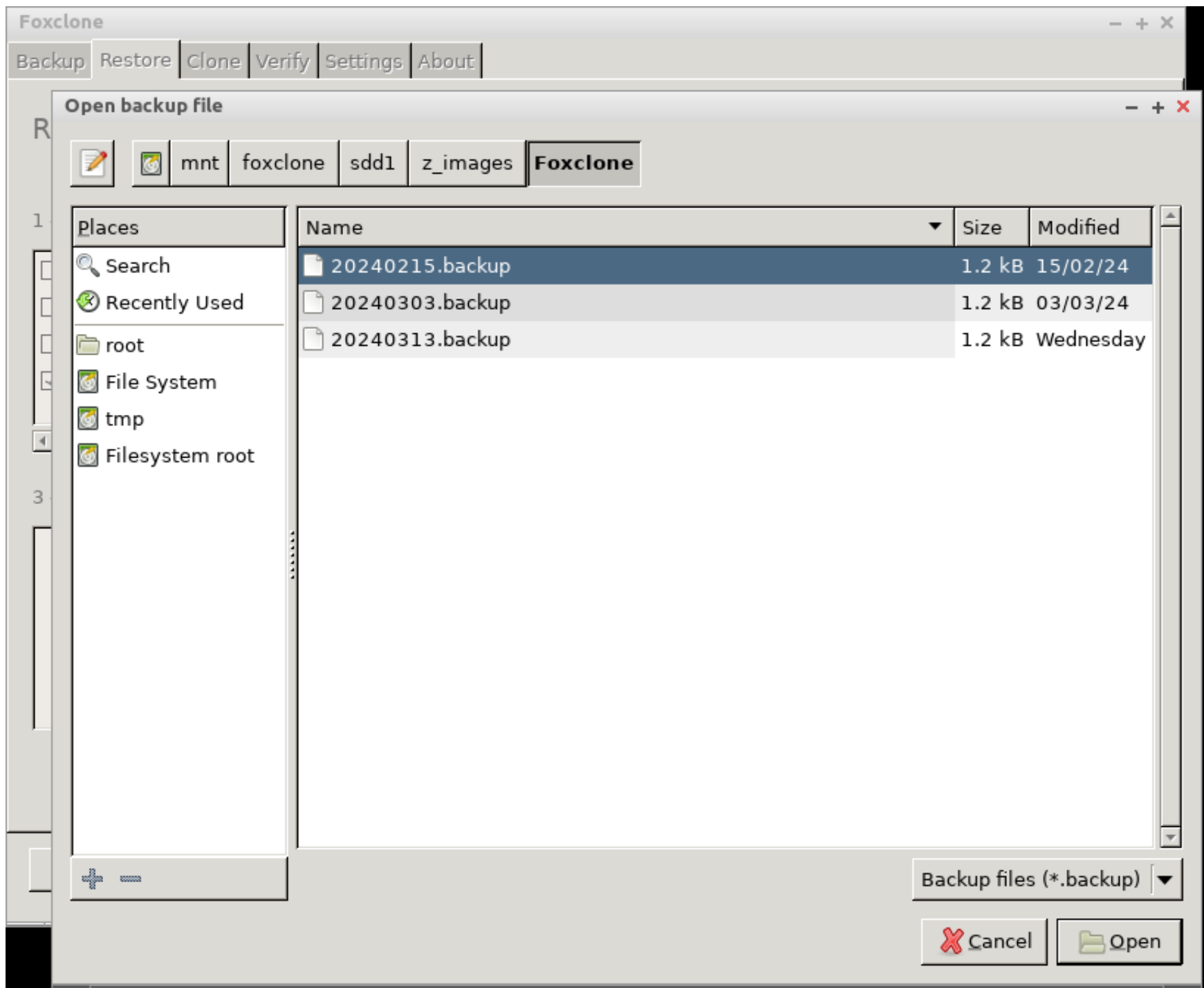
.img.gz

compressed image file

.log.txt

backup information





Restore Drive from Image Files



1 - Source Drive:

- ☐ sda • ATA Samsung SSD 840 • 250GB • Partition table GPT
- ☒ sdb • WD My Book 1230 • 32.0TB • Partition table MSDOS
- ☐ sdc • Kingston DataTraveler 3.0 • 31GB • Partition table MSDOS
- ☐ sdd • Generic- SD/MMC/MS PRO • 62GB • Partition table MSDOS

2 - Partition containing the backup file:

- ☒ sdb1 • ntfs [My Book04] • 4.0TB (67% used)

3 - Contents of Backup: .../z_images/Foxclone/20240303.backup

- ☒ Restore partition table
- ☒ sda1 • fat32 [ESP] • 524MB (7% used) • EFI system partition • EFI sys
- ☒ sda2 • fat32 [DIAGS] • 42MB (0% used) • Flags: hidden • Basic dat
- ☒ sda3 • unknown • 134MB (100% used) • Flags: msftres • Microsoft res
- ☒ sda4 • ntfs [WINRETOOLS] • 2GB (22% used) • Flags: hidden, diag
- ☐ sda5 • ntfs [Windows 10] • 150GB (91% used) • Flags: msftdata • Bas

Backup date: 03 Mar 2024, 11:46

Time now: 03 Mar 2024, 11:49

4 - Destination Drive: ATA Samsung SSD 840 (250GB)

- sda1 • fat32 [ESP] • 524MB (7% used) • EFI system partition • EFI sys
- sda2 • fat32 [DIAGS] • 42MB (0% used) • Flags: hidden • Basic data p
- sda3 • unknown • 134MB (100% used) • Flags: msftres • Microsoft res
- sda4 • ntfs [WINRETOOLS] • 2GB (22% used) • Flags: hidden, diag • B
- sda5 • ntfs [Windows 10] • 150GB (91% used) • Flags: msftdata • Bas
- sda6 • ntfs • 555MB (95% used) • Flags: hidden, diag

Existing partitions on the destination drive

Restore

Quit

Version 0.51 k5.15.0-87, 26 Oct 2023

Restore Drive from Image Files



1 - Source Drive:

- ☐ sda • ATA Samsung SSD 840 • 250GB • Partition table GPT
- ☒ sdb • WD My Book 1230 • 32.0TB • Partition table MSDOS
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- ☐ sdd • Generic- SD/MMC/MS PRO • 62GB • Partition table MSDOS

2 - Partition containing the backup file:

- ☒ sdb1 • ntfs [My Book04] • 4.0TB (67% used)

3 - Contents of Backup: .../z_images/Foxclone/20240303.backup

- ☒ Restore partition table
- ☒ sda1 • fat32 [ESP] • 524MB (7% used) • EFI system partition • EFI sys
- ☒ sda2 • fat32 [DIAGS] • 42MB (0% used) • Flags: hidden • Basic dat
- ☒ sda3 • unknown • 134MB (100% used) • Flags: msftres • Microsoft res
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- ☐ sda5 • ntfs [Windows 10] • 150GB (91% used) • Flags: msftdata • Bas

Backup date: 03 Mar 2024, 11:46

Time now: 03 Mar 2024, 11:49

4 - Destination Drive: ATA Samsung SSD 840 (250GB)

- sda1 • fat32 [ESP] • 524MB (7% used) • EFI system partition • EFI sys
- sda2 • fat32 [DIAGS] • 42MB (0% used) • Flags: hidden • Basic data p
- sda3 • unknown • 134MB (100% used) • Flags: msftres • Microsoft res
- sda4 • ntfs [WINRETOOLS] • 2GB (22% used) • Flags: hidden, diag • B
- sda5 • ntfs [Windows 10] • 150GB (91% used) • Flags: msftdata • Bas
- sda6 • ntfs • 555MB (95% used) • Flags: hidden, diag

Existing partitions on the destination drive

Restore

Quit

Version 0.51 k5.15.0-87, 26 Oct 2023

4 - Destination Drive: ATA Samsung SSD 840 (250GB)

sda1 • fat32 [ESP] • 524MB (7% used) • EFI system partition • EFI sys
sda2 • fat32 [DIAGS] • 42MB (0% used) • Flags: hidden • Basic data p
sda3 • unknown • 134MB (100% used) • Flags: msftres • Microsoft res
sda4 • ntfs [WINRETOOLS] • 2GB (22% used) • Flags: hidden, diag • B
sda5 • ntfs [Windows 10] • 150GB (91% used) • Flags: msftdata • Bas
sda6 • ntfs • 555MB (95% used) • Flags: hidden, diag

Existing partitions on the destination drive

Restore will only restore to the drive the backup was taken from
(Use clone for a different drive)

Foxclone



Backup | Restore | Clone | Verify | **Settings** | About

Settings



Backup Settings

- ☒ Compress backup files
- ☐ Split backup files

User Settings

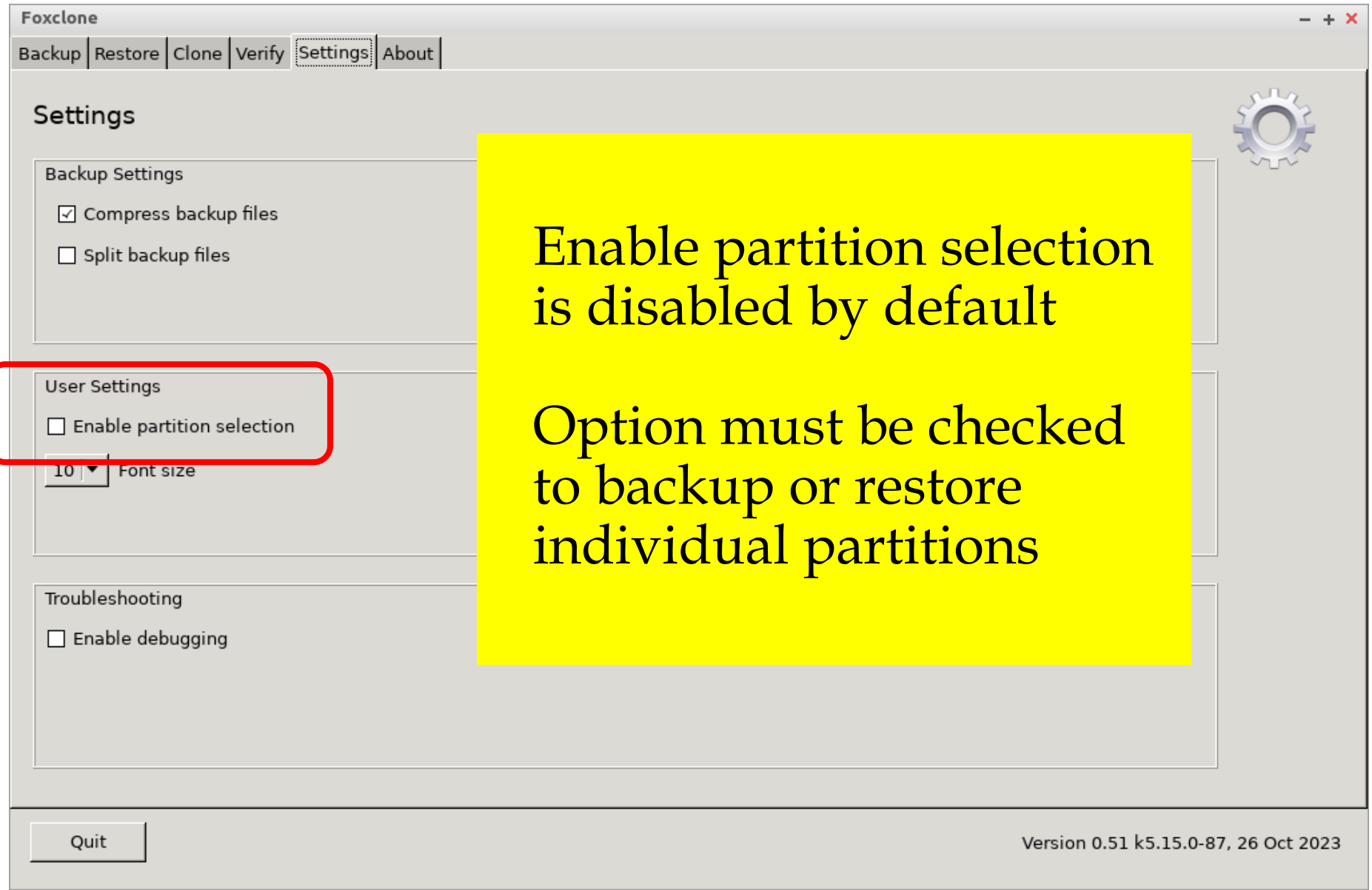
- ☐ Enable partition selection
- 10 ▼ Font size

Troubleshooting

- ☐ Enable debugging

Quit

Version 0.51 k5.15.0-87, 26 Oct 2023



Enable partition selection
is disabled by default

Option must be checked
to backup or restore
individual partitions

Foxclone User Guide



To navigate round the guide:

- Any item in the contents can be clicked to go to that item.
- At the top of every page is a link that will go to the contents list.
- Any items [highlighted](#) will go to the item, e.g. this will go to the [contents list](#).

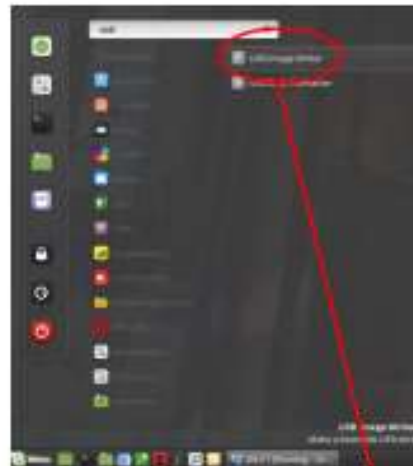


Installation

6. Download the iso and burn to either a USB stick or CD.

Linux

7. If burning to a USB stick use the [USB Image Writer](#) that comes with your distribution. The example is based on Linux Mint.



Click to navigate to the download location



Click to select the device - if it doesn't appear, unplug and plug it in again



**Any other:
Questions
Comments
Shares?**

April Meeting



Unlocking Creativity with an AI Image Generator

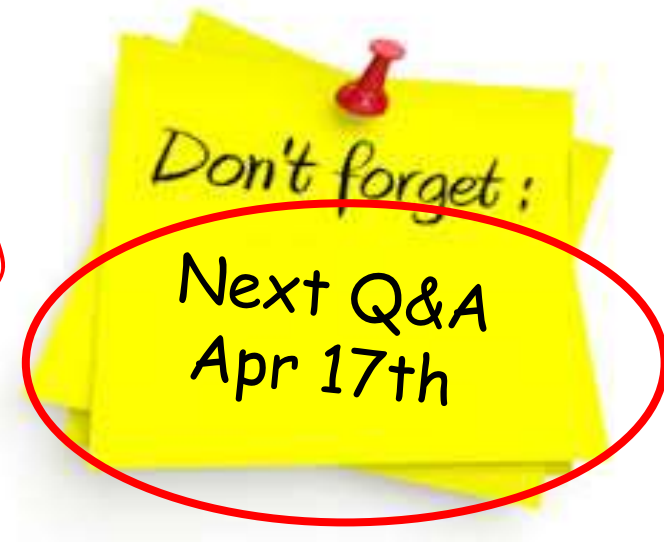
Bob Herres
OPCUG

April 10, 2024
7:30 pm





No Q&A on
April 10
(Monthly Meeting)



**Send your questions,
answers, and topics
you wish to share to:**

SuggestionBox@opcug.ca