

SIFT Workstation Installation Guide

Step 1: Visit the Website:

Go to the [SIFT Workstation download page](https://www.sans.org/tools/sift-workstation/):

<https://www.sans.org/tools/sift-workstation/>

SIFT Workstation

The SIFT Workstation is a collection of free and open-source incident response and forensic tools designed to perform detailed digital forensic examinations in a variety of settings. It can match any current incident response and forensic tool suite. SIFT demonstrates that advanced incident response capabilities and deep-dive digital forensic techniques can be accomplished using cutting-edge open-source tools that are freely available and frequently updated.

By Rob Lee



Step 2: Follow the Option 2A Guide

1. Scroll down and locate the section titled "Option 2A."
2. Click on the link associated with Ubuntu.

Option 2A: SIFT Easy Installation on Native Ubuntu System

1. Download Ubuntu 22.04 ISO file and install Ubuntu 22.04 on any system - <http://www.ubuntu.com/download/desktop>
 2. Install the Latest Cast Binary from its [release page](#)
 3. Run `sudo cast install teamdfr/sift` to install the latest version of SIFT
 4. Congrats -- you now have a SIFT workstation!
1. Login = `''sansforensics''`
2. Password = `''forensics''`
3. `$ sudo su -`
1. Use to elevate privileges to root while mounting disk images.

Click

- 3: Locate the "Check out our alternative downloads" button and click on it.

The latest LTS version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support — which means five years of free security and maintenance updates, extended to 10 years with [Ubuntu Pro](#).

Download 24.04 LTS

6GB

Click

For other versions of Ubuntu Desktop including torrents, the network installer, a list of local mirrors and past releases [check out our alternative downloads](#).

- 4: Find and click the "Ubuntu 22.04 LTS (Jammy Jellyfish)" button.

Past releases and other flavours

Looking For an older release of Ubuntu? Whether you need a POWER, IBMz (s390x), ARM, an obsolete release or a previous LTS point release with its original stack, you can find them in past releases.

[Ubuntu 22.04 LTS \(Jammy Jellyfish\)](#)

[Ubuntu 20.04 LTS \(Focal Fossa\)](#)

[Ubuntu 18.04 LTS \(Bionic Beaver\)](#)

[All past releases](#)

Click

5: We need to download the desktop image

Select an image

Ubuntu is distributed on three types of images described below.

Desktop image

The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will want to use. You will need at least 1024MiB of RAM to install from this image.

[64-bit PC \(AMD64\) desktop image](#)

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

Click

6: Open VMware Workstation and click on the “Create a New Virtual Machine” button.

Welcome to VMware Workstation 17 Player

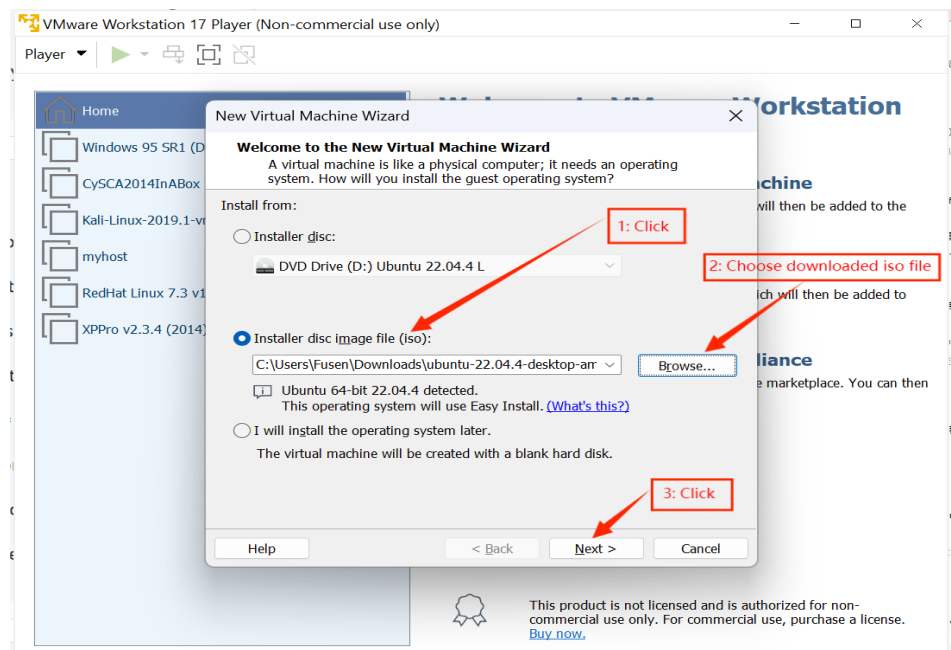


Create a **New Virtual Machine**

Create a new virtual machine, which will then be added to the top of your library.

Click

7: Choose the disk image file (ISO) option and select the image we just downloaded.



8: Configure your new VM using the following details:

Full Name: SIFT Workstation

User Name: sansforensics

Password: forensics

New Virtual Machine Wizard

Easy Install Information
This is used to install Ubuntu 64-bit.

Personalize Linux

Full name: SIFT Workstation

User name: sansforensics

Password: ●●●●●●●●

Confirm: ●●●●●●●●

Help < Back Next > Cancel

9: Proceed with the installation of Ubuntu and follow the provided installation guide.

Install

Updates and other software

What apps would you like to install to start with?

☒ Normal installation
Web browser, utilities, office software, games, and media players.

☐ Minimal installation
Web browser and basic utilities.

Other options

☒ Download updates while installing Ubuntu
This saves time after installation.

☐ Install third-party software for graphics and Wi-Fi hardware and additional media formats
This software is subject to license terms included with its documentation. Some is proprietary.

Click

Quit Back Continue

Installation type

This computer currently has no detected operating systems. What would you like to do?

☒ Erase disk and install Ubuntu
Warning: This will delete all your programs, documents, photos, music, and any other files in all operating systems.
Advanced features... None selected

☐ Something else
You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.

Click

Back Install Now

Who are you?

Your name: ✓

Your computer's name: ✓
The name it uses when it talks to other computers.

Pick a username: ✓

Choose a password: ✓ Set Password

Confirm your password: ✓

☐ Log in automatically

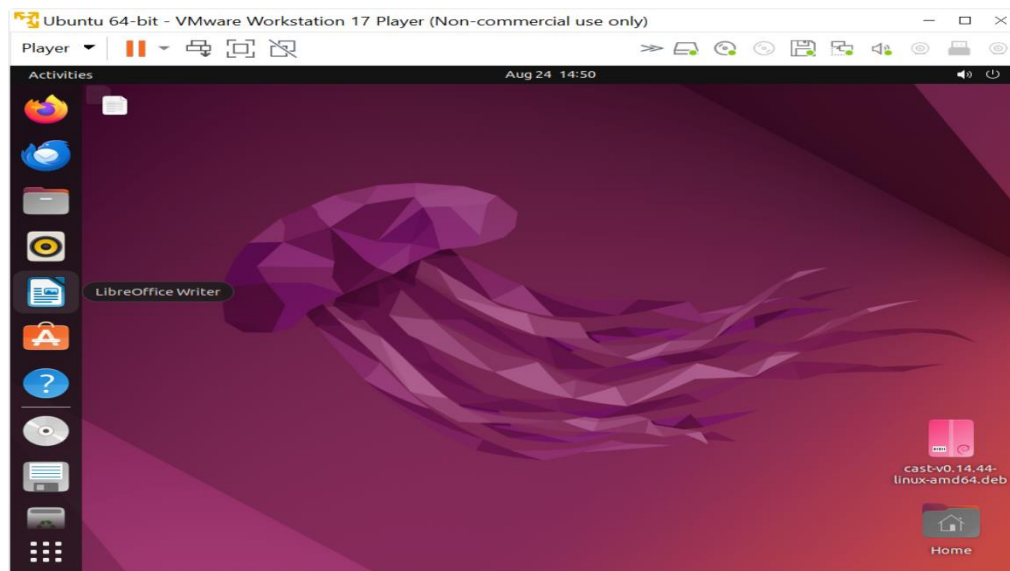
☒ Require my password to log in

☐ Use Active Directory

You'll enter domain and other details in the next step.

Back Continue

10: At this stage, a window similar to this should appear.



11: Return to the SIFT Workstation website to download the CAST binary file. Click link and download the file named cast-v0.14.44-linux-amd64.deb.

Option 2A: SIFT Easy Installation on Native Ubuntu System

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1. Login = `sansforensics`
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1. Use to elevate privileges to root while mounting disk images.

 cast-v0.14.44-darwin-amd64.tar.gz
 cast-v0.14.44-darwin-arm64.tar.gz
 cast-v0.14.44-linux-amd64.deb  Download
 cast-v0.14.44-linux-amd64.tar.gz
 cast-v0.14.44-linux-arm64.deb
 cast-v0.14.44-linux-arm64.tar.gz

12: Now, create a shared folder to facilitate file transfer:

Create a folder on your PC and place the cast-v0.14.44-linux-amd64.deb file inside it.

Open **VMware Workstation** or **VMware Player**.

Select your **Ubuntu virtual machine** and then click on **"Edit virtual machine settings."**

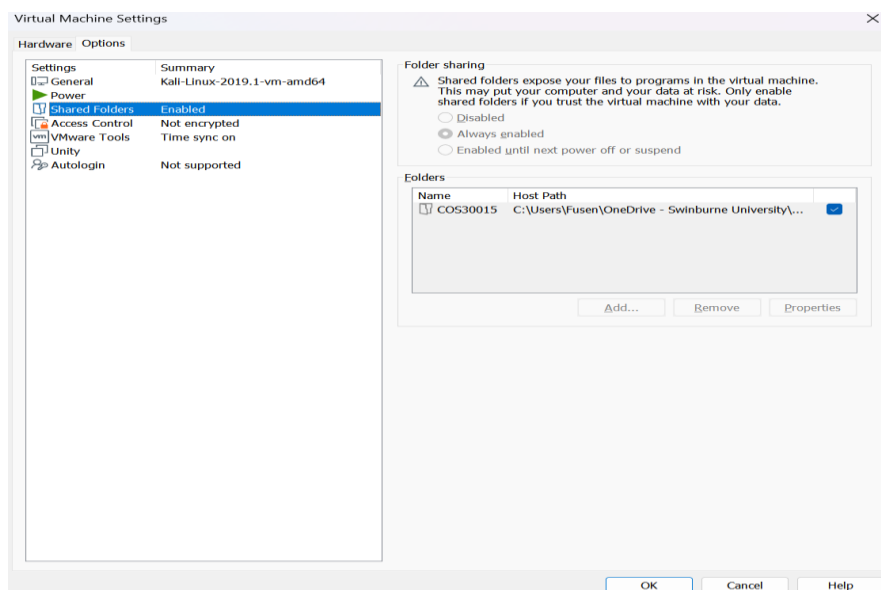
In the virtual machine settings window, click on the **"Options"** tab on the left side.

Select the **"Shared Folders"** option.

Choose either **"Always enabled"**

Click the **"Add..."** button to add the folder containing the cast-v0.14.44-linux-amd64.deb file.

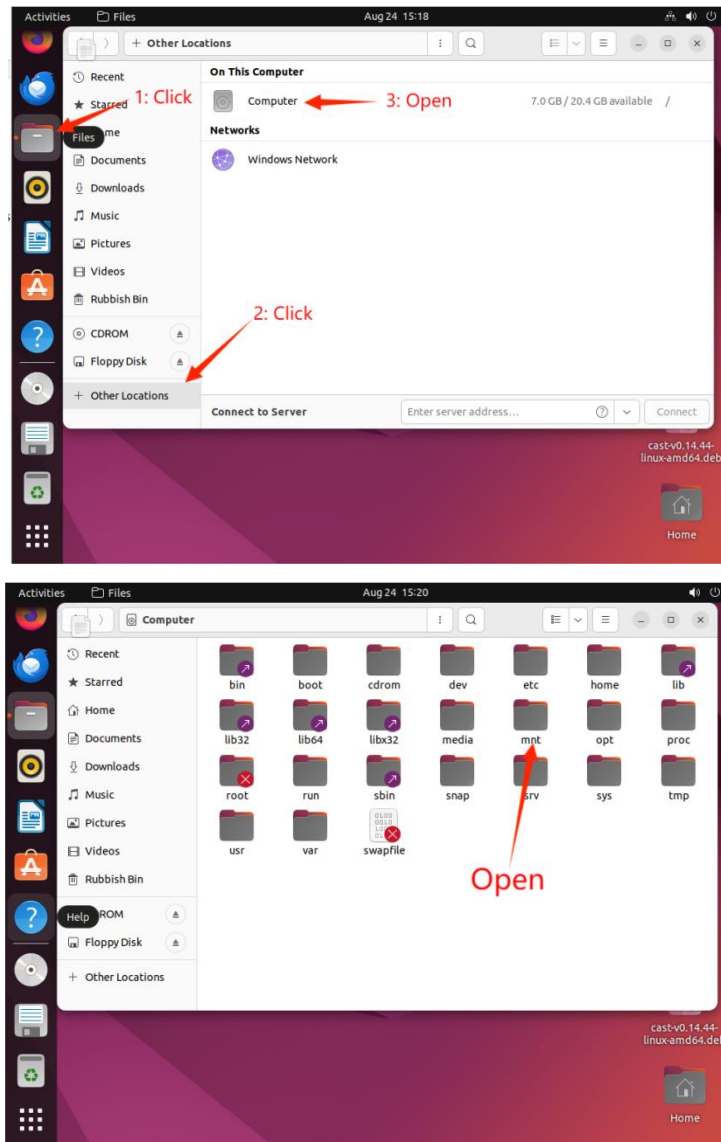
Click **"Finish"** and then click **"OK"** to save the settings.



13: Create a shared folder for file transfer

Go back to your Ubuntu virtual machine, open the Files application, click on “Other Locations,” then click on “Computer.”

Navigate to the mnt folder, open the shared folder you created, and move the cast-v0.14.44-linux-amd64.deb file to the desktop.



14: Open the Terminal at VM and enter the following commands to install CAST:

```
cd ~/Desktop  
sudo dpkg -i cast-v0.14.44-linux-amd64.deb
```

15: Open the Terminal again and run the following command to install the latest version of SIFT:

```
sudo cast install teamdfir/sift
```

16: You will see the newest version of SIFT workstation! :)

