

# COMPUTER FORENSICS AND CYBER CRIME MABISA

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**What is computer forensics in cyber crime?** Computer forensics is a field of technology that uses investigative techniques to identify and store evidence from a computer device. Often, computer forensics is used to uncover evidence that could be used in a court of law. Computer forensics also encompasses areas outside of investigations.

**Does computer forensics require programming?** It requires a combination of technical skills, analytical thinking, and legal knowledge. Programming is one of the essential skills for digital forensics, as it allows you to automate tasks, manipulate data, and create tools for specific scenarios.

**What are the 5 steps of digital forensics?** In conclusion, the digital forensics investigation process involves several stages, including identification, collection, analysis, reporting, and presentation. By following a structured and methodical approach, cyber forensic companies can gather, analyze, and preserve digital evidence in a legal and ethical manner.

**Is computer forensics hard?** Computer forensics can be a stressful field, as you often need to find information quickly for a criminal investigation and criminals can be highly skilled at technology. On the other hand, a computer forensics career is in a top growing field that has many diverse employment opportunities.

**Is cyber forensics a good career?** Lucrative Career Path: Cyber forensics professionals are highly sought after, and their salaries reflect that. With experience, you can command a competitive salary in Delhi's dynamic job market.

**What degree do you need for computer forensics?** Paths to Become a Computer Forensics Analyst According to Cybersecurity Guide, you typically need a bachelor's degree in computer science, computer forensics, cybersecurity or a related field. Many companies/organizations prefer professionals with at least few years of experience, even if you have a related degree.

**Does digital forensics pay well?** How much does a Digital Forensic Analyst make? As of Aug 19, 2024, the average annual pay for a Digital Forensic Analyst in the United States is \$74,125 a year. Just in case you need a simple salary calculator, that works out to be approximately \$35.64 an hour. This is the equivalent of \$1,425/week or \$6,177/month.

**Is a computer forensics degree worth it?** Computer Forensics Jobs and Salary Computer forensics salaries are generally well above average. Data from the Bureau of Labor Statistics (BLS) shows that information security analysts earned a median annual wage of \$120,360 in May 2023 — more than double the median salary for all jobs.

**How long does it take to become a computer forensics?** Learning How to Be a Computer Forensics Investigator. Most computer forensics investigators hold bachelor's degrees in fields like computer science, information technology, or criminal justice. Then, they accrue 18 months to 5 years of experience in law enforcement or information technology.

**How long do digital forensics take?** A complete examination of a 100 GB of data on a hard drive can have over 10,000,000 pages of electronic information and may take between 15 to 35 hours or more to examine, depending on the size and types of media. A reasonable quote can be obtained prior to the investigation's start.

**Is digital forensics legit?** Customer Complaints More info The business addressed the issues within the complaint, but the consumer either a) did not accept the response, OR b) did not notify BBB as to their satisfaction. This service is a complete scam.

**What is the difference between digital forensics and computer forensics?** However, digital forensics technically involves gathering evidence from any digital

device, whereas computer forensics involves gathering evidence specifically from computing devices, such as computers, tablets, mobile phones and devices with a CPU.

**Is forensics a lot of math?** However, for degree paths like forensics science, math requirements will be higher. Daily work involves chemistry and even ballistics calculations, depending on the job that a person has. Because of these job requirements, forensic science curriculums usually include algebra, physics, and even calculus.

**Which is better cybersecurity or computer forensics?** Cyber security helps to prevent cybercrimes from happening, while computer forensics helps recover data when an attack does occur and also helps identify the culprit behind the crime. It helps to think of cyber security professionals as a security company, and to think of computer forensics experts as investigators.

**Which top 5 computer forensics certifications are in demand?**

**What is computer forensics example?** For example, in a divorce case, a spouse's legal team might use computer forensics on a mobile device to reveal a partner's infidelity and receive a more favorable ruling.

**What is the difference between cybercrime and computer forensics?** Despite their differences, both are meant to protect data, programs, networks and other digital assets. Cyber security helps to prevent cybercrimes from happening, while computer forensics helps recover data when an attack does occur and also helps identify the culprit behind the crime.

**What is the role of computer forensics in criminal investigations?** Cyber forensics helps police combat cybercrimes. The methods that cyber forensic scientists might use include recovering missing data and monitoring complex network user activities. There are also investigators who handle electronic forensics at crime scenes in order to provide courtroom evidence.

**What is a computer forensics job?** Computer Forensic Analysts use forensic tools and investigative methods to find specific electronic data, including Internet use history, word processing documents, images and other files.

**How do I know what wiring my house has?** To determine what type of wiring your home has, you must first check what year your home was built. Many homes built during the 1930s used the Knob & Tube system, while homes built between 1960s and 1970s used aluminum. Homes built after the 1970s use copper, which is considered the best type of wiring.

**What are three different types of electrical wiring diagrams?** There are three ways to show electrical circuits. They are wiring, schematic, and pictorial diagrams. The two most commonly used are the wiring diagram and the schematic diagram. The uses of these two types of diagrams are compared in Table 1.

**What is the simplest of all wiring diagrams?** The schematic diagram (Figure 6.2. 1), often called a ladder diagram, is intended to be the simplest form of an electrical circuit. This diagram shows the circuit components on horizontal lines without regard to their physical location.

**How to draw a wiring diagram for a house?**

**What are wire color codes?** In typical residential wiring, black (live), white (neutral), and green or bare copper (ground) wires go together to form a complete circuit. The black wire carries power to the device, the white wire returns it, and the green wire serves as the safety grounding.

**How can you tell which wire is hot without a ground wire?**

**How do you identify a wiring diagram?** Unlike a pictorial diagram, a wiring diagram uses abstract or simplified shapes and lines to show components. Pictorial diagrams are often photos with labels or highly-detailed drawings of the physical components.

**What is the basic of electrical wiring diagram?** A wiring diagram represents the conductors and components that make up an electrical circuit or system. Some wiring diagrams simply show how electricity flows through the circuit, while others show how each connection must be made for the circuit to work.

**Is there a free app for electrical drawing?** YES! It is free to create different electrical drawings in EdrawMax. There are free templates, symbols, and easy-to-

use editing tools for making electrical drawings. Just download it and try EdrawMax now.

### **How to properly wire a house?**

**What is basic electrical drawing?** Electrical drawings are technical documents that depict and notate designs for electrical systems. Workers use these documents to install systems onsite. In electrical drawings, every type of component and connection has its own specialised symbol – and every detail matters.

**Do houses have wiring diagrams?** A house wiring diagram is usually provided within a set of design blueprints, and it shows the location of electrical outlets (receptacles, switches, light outlets, appliances), but is usually only a general guide to be used for estimating and quotation purposes.

### **How to do an electrical layout?**

**How do you wire an electrical circuit for a house?** Circuits in houses are generally wired in parallel, which allows you to operate each light or power point independently of the others.

**What is standard house wiring?** In terms of home electrical wire, you'll usually be working with 12 or 14-gauge wire. But for appliances, you'll be using 10, 8, or 6 gauge. Things like stoves, water heaters, dryers, and air conditioning units use these larger gauges because they require a lot of amperages.

**What color wires go together?** What color wires go together? Earth tones go well together (light brown, light green). And pastels. Bright colors (red, white, yellow, bright green) and blacks are always separate.

**Can red and black wires go together?** That explains things. The black and red wire are not a suitable wire for what was done (perhaps they are speaker wire or low voltage 12v battery wire). You should seriously consider having that replaced as this is a potential fire hazard. As for the connection you are asking about.

**Why would a black and white wire be together?** Middle-of-Run Outlet One of the black wires receives power from the service panel; the other sends it on to other loads on the circuit. The white wires allow current passing through the outlet and the

other loads on the circuit to return to the panel.

**Which wire is positive when both are black?** Occasionally, you may not see a red wire. Instead, you may have two black wires, one of which has white stripes. If so, the solid black wire should be positive, and the black and white striped wire should be negative. Use a multimeter to check.

**Where does the ground wire go if there is no ground wire?** There are two solutions if your home does not have ground wires and you want to protect you and your equipment. The first option is to run a ground wire to the outlet that your equipment is plugged into. This is especially important for things such as computers, TVs, ect. The second option is to add GFCI protection.

**What happens if you connect a ground wire to a hot wire?** Bare wires can inevitably touch the wrong places: Hot wire to neutral wire means a short circuit that causes sparks to fly; hot wire to grounding wire, or to grounded metal box means ground fault and possible shock but sparks again will fly and burn can occur if you are touching the ground wire or metal box.

**What is the basic wiring diagram?** A wiring diagram is a simplified conventional pictorial representation of an electrical circuit. It shows the components of the circuit as simplified shapes, and the power and signal connections between the devices.

**What are the 4 basic types of electrical diagrams?**

**How to read schematics for dummies?** Follow the Flow: Electrical schematics are typically read from left to right, with the power source on the left and the ground on the right. Follow the flow of the lines to understand how current travels through the circuit. Identify Components: Identify each component in the schematic and understand its function.

**What are the 3 basic rules of wiring?**

**How to draw a house wiring plan?** Draw Electrical Devices Use symbols — “S” for switches, and circles for can lights — to represent the devices. Use common electrical symbols or make up your own and create an easy-to-understand key. Draw lines between lights and the switches that control them, and between receptacles that are on the same circuits.

**What is elementary wiring diagram?** An elementary diagram (also called a schematic diagram) is defined as a diagram that shows in straight line form the detail wiring of the circuit and device elements without regard to physical relationships.

**How do you check house wiring?**

**What is the most common wire used in houses?** The most common type of home electrical wiring is the NM cable, also known as the Romex cable, after the most popular electrical wiring brand name. The NM cables contain three or more individual conductors, wrapped together in a sheathing, which is a flexible plastic jacket.

**How do you identify basic electrical wires?** The three main types of electrical wire are live or hot wires (red or black), neutral wires (white), and grounding wires (bare copper or green).

**Is 1950s wiring safe?** Aluminum wiring can cause dangerous and deadly fires and should be replaced. Cloth insulation: In the 1950s, people used cloth to insulate electrical wiring. If you find looms or pieces of fabric anywhere in your wiring, you should replace your electrical wiring and insulation immediately.

**How do electricians find faulty wiring?** When they check the wiring in your house, electricians will look for signs of fraying or damage. Such signs include exposed wire dangling from ceilings or coming out of the wall, wires that pop out of the protective coating, or cracking in the insulation caused by brittleness.

**How do you trace an electrical circuit in a house?** Start with all the breakers off and plug a lamp — turned on — into an outlet. Flip breakers on and off one at a time until the lamp lights up. Next, plug the lamp into the other nearby outlets to determine which ones are on the same circuit. Flip nearby light switches on and off to see which circuit the lights are on.

**How to find an electrical short in your home?** In terms of troubleshooting, identifying a short circuit is usually easier than finding an open circuit. A short circuit can be detected by using a multimeter to measure the resistance between two points in the circuit. If the resistance is very low or zero, it indicates a short circuit.

**What kind of wire do I need to rewire my house?** It's counterintuitive, but the larger the number, the smaller the wire. The most common work gauge sizes you'll find in residential work are 14-gauge and 12-gauge. Larger appliances such as electric stoves, electric water heaters, electric dryers and central air units will often use 10-, 8- or even 6-gauge wire.

**How do you tell what type of wiring you have?** All the information you need to know about a type of cable is printed on its sheathing. Use the following to determine if a cable is right for a project: Type: Will list the type of cable, such as NM-B or UF. Gauge: The gauge of the individual wires inside the cable, such as 14, 12, 10 and more.

**Do I need 12 or 14 gauge wire?** 14-gauge is used for lamps, light fixtures, and lighting circuits with 15 amps. 16-gauge is best for extension cords supporting 13 amps. 12-gauge is ideal for use in the bathroom, kitchen, outdoor receptacles, and 120-volt AC's supporting 20 amps.

**What is the simple wiring diagram?** A wiring diagram is a simplified conventional pictorial representation of an electrical circuit. It shows the components of the circuit as simplified shapes, and the power and signal connections between the devices.

**How do you identify a wiring diagram?** Unlike a pictorial diagram, a wiring diagram uses abstract or simplified shapes and lines to show components. Pictorial diagrams are often photos with labels or highly-detailed drawings of the physical components.

**What is the wire color code?** US AC power circuit wiring color codes See Table below. The protective ground is green or green with yellow stripe. The neutral is white, the hot (live or active) single phase wires are black , and red in the case of a second active. Three-phase lines are red, black, and blue.

**Can I leave old wires in wall?** Capping electrical wires is the safe, code-approved way of dealing with terminated electrical cables. Taping up stray electrical cables and burying them behind drywall is decidedly not the answer. Instead, the answer is to trim, cap, and enclose cables in an accessible surface-flush electrical box.



**Is 30 year old wiring safe?** If a property has not already been rewired within the last 25-30 years, the chances are it will need upgrading at least in part in order to bring it up to current standards. The wiring may be potentially dangerous and may not be able to cope with the demands of modern living.

**How are old houses wired?** Knob and tube wiring was one of the very first concepts invented for providing homes with needed electricity way back in the late 1800's, early 1900's. With porcelain knobs that ensured wires had no contact with the walls, this uninsulated wiring was installed inside the walls of the home.

## **The White Coat Investor: A Doctor's Guide to Personal Finance and Investing**

### **Q1: What is The White Coat Investor?**

The White Coat Investor is an online platform and resource created by Dr. James Dahle, a practicing emergency physician and financial educator. It offers comprehensive advice and guidance on personal finance, investing, and financial planning, specifically tailored to the needs of healthcare professionals.

### **Q2: What makes The White Coat Investor stand out?**

The White Coat Investor provides evidence-based, actionable financial advice that is both accessible and relevant to doctors and other high-income earners. It emphasizes practical strategies, demystifies complex financial concepts, and addresses the unique financial challenges faced by medical professionals.

### **Q3: Who is The White Coat Investor intended for?**

The White Coat Investor is primarily designed for healthcare professionals, including physicians, dentists, nurses, and allied health workers. However, its principles and advice can be valuable to anyone seeking to improve their financial well-being and secure their financial future.

### **Q4: What topics are covered in The White Coat Investor?**

The White Coat Investor covers a wide range of financial topics, including:

- Budgeting and cash flow management

- Investing in stocks, bonds, and real estate
- Retirement planning
- Estate planning
- Insurance and risk management
- Financial planning for medical students and residents

#### **Q5: How can I access The White Coat Investor?**

The White Coat Investor blog, podcast, and website provide free content and resources. Additionally, Dr. Dahle offers premium memberships, courses, and consulting services for those seeking more personalized guidance and support. You can learn more and sign up at [whitecoatinvestor.com](http://whitecoatinvestor.com).

#### **How do you regulate a 400 day clock?**

**Why does my anniversary clock keep stopping?** The spring being bent is the number one cause for most of these clocks not working. I would venture to guess that this is the reason for about 80% of these clocks that need repair. They are cheap to replace and it is an easy fix if your the patient type.

**How many turns to wind a 400 day clock?** For testing and regulating purposes, the clock has been one third wound before leaving the factory. To wind fully, give the spring 3 to 4 further turns with the key. Please turn anti-clockwise. Do not force the spring, wind only until you find that the key will not readily turn further.

**How do you increase clock frequency?** The first step to increase the clock speed should be to increase the multiplier. This uses the base clock built into the motherboard (usually 100 MHz) — multiplying that number yields your clock speed. For example, a multiplier of 36 (x100 MHz) gets you 3.6 GHz.

#### **How do I fix my clock problem?**

**Can you overwind an anniversary clock?** Luckily, the truth is that you can't overwind your clock. Over-winding is basically a myth! Let's take a look at what actually causes a clock to quit running or chiming after winding it up...

**Why does the clock mechanism keep stopping?** It is more likely that the clock has seized up and requires a service or overhaul. If this has happened, please take it to a professional clock repairer. If this happens it may be because the clock is what we refer to as being 'out of beat' i.e the mechanism has not been leveled correctly.

**How much does it cost to fix an anniversary clock?**

**How to speed up an anniversary clock?** Timing Adjustments Timekeeping is carried out on these clocks by moving the balls or pendulum weights in or out. As weights are moved outwards, the clock will slow down. As the weights are moved inwards, the clock will speed up. On clocks with balls there will be a serrated adjusting disk just above the balls.

**What is a 400 day anniversary clock?** A torsion pendulum clock, more commonly known as an anniversary clock or 400-day clock, is a mechanical clock which keeps time with a mechanism called a torsion pendulum.

**How do I fix my clock gaining time?** Stop the pendulum to move the pendulum bob up or down to change the pendulum's effective length. If the clock is running fast, move the bob down or turn the nut to the left. If the clock is running slow, move the bob up or turn the nut to the right.

**Is a higher clock frequency better?** Yes, indeed, a higher clock speed usually results in better performance, as the central processing unit (CPU) can execute instructions more quickly. However, it's not the only factor determining performance. Other aspects like the number of cores and the efficiency of the architecture also play a role.

**How do I choose a clock frequency?**

**How do you adjust the speed of the anniversary clock?** Timing Adjustments Timekeeping is carried out on these clocks by moving the balls or pendulum weights in or out. As weights are moved outwards, the clock will slow down. As the weights are moved inwards, the clock will speed up. On clocks with balls there will be a serrated adjusting disk just above the balls.

**How do you regulate a clock?**

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## How do you adjust the speed of a clock?

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