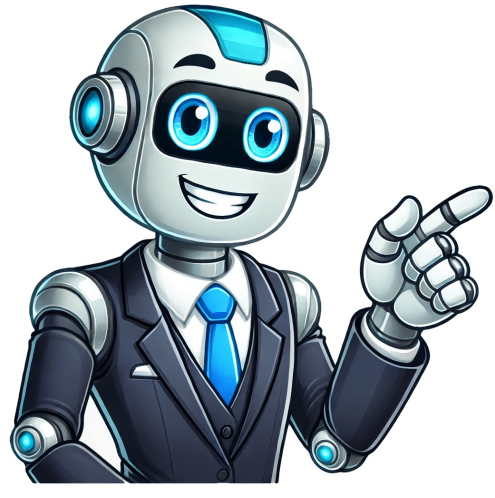# Comptia a for dummies 2024

RAID 1: Disk mirroring/duplexing (mirrored volume). gpupdate.exe Group Policy Update Re-process Active Directory (AD) Group Policy Objects (GPO) on the computer. Select Restore My Computer to an Earlier Time and click Next. For the A+ Exam, you need to be able to identify the differences between each of these bus architectures and know which ones are more popular today. Flashcards will assist you with nailing the "bunnies" as I like to call it, which are just the easy questions on the exam. RAID level 0 improves read and write performance by writing to multiple drives at the same time. Everyday low prices and free delivery ... CompTIA publishes a six-step process related to the troubleshooting process. The six steps are: This cheat sheet gives you quick facts to remember on test day to help you answer ... I'm sharing my comprehensive guide to those pursuing the A+ certification. What I can assure you is that I created this article with pure intentions of helping others. Do not fret, these are few and far between.Practice Exam ResultsSample Question & Explanation ProvidedBoth exams contain information that you will need to understand, memorize and recall on command. Each hardware manufacturer has its own diagnostic codes that identify specific POST errors. My guide will remain free and available to the public until CompTIA releases it's newest installment of exams. Alot of these questions are similar if not identical to the ones you'll see on the official exams. This table reviews popular recovery tools and specifies where you can find the recovery tool — be sure to know these for the A+ Exam. Below are the OBJs I pulled from to create the example week shown above.How long you take per domain/objective/section depends entirely on your learning pace and style. msinfo32.exe System Information View hardware and configuration information for your computer. I will warn you some questions in this exam are outdated, and others are outside the realm of the objectives. By rejecting non-essential cookies, Reddit may still use certain cookies to ensure the proper functionality of our platform. Windows utilizes four boot files, and you will need an understanding of all four of them for the A+ Exam. You'll see a lot of general info populates with a simple google search of "CompTIA A+". This plan consisting of "study topics for the week", stresses intentionality and gives you a steady blueprint to follow. Another term for the expansion slots on a computer's motherboard is bus slots. Messer's series is offered for free, with other accommodating references available on his website. That's 450 questions worth of exam practice on one site (for both core 1 & core 2). sfc.exe System File Checker Verifies that system files have not been modified; or, if they have, replaces them with the original. CompTIA was nice enough to provide the subjects you'll be tested on; these are called objectives (OBJ). A+ is an entry level certification that will never be mistaken for an 'easy to obtain' certification. Pairing your study plan with quizzes over newly learned content helps the material stick.Let's view a week from my study plan for the Core 1 Exam.Sections (Green), Subtopic (White), Quiz (Blue)Here, you can see two sections containing subtopics and a section review quiz from Exam Compass. Dion offers six 90 question exams that cost under 14 USD year-round. Please ask questions, leave replies and pour back into the community how you see fit.Here's a look at some recent submissions:Step 1: The PlanAlthough each step plays an integral role in your success, I'd argue creating a complete plan is the most important one. You can edit the boot configuration data with the bcdedit utility. With a boatload of content to cover, it's common to find one platform going more in depth on a subject than others. tasklist.exe Task List Display a list of running applications or services on a computer. miniPCI 32 33 MHz The most popular ports used today on the system are the USB and FireWire ports — which allow you to connect devices such as flash drives, digital cameras, and digital video cameras. Work at a pace that feels comfortable but keeps you efficient with your studying. I found following a schedule like plan created a healthy fear of falling behind in my studies (for my fellow procrastinators, you'll want to pay extra attention to this). You need to consult the manufacturer documentation for the diagnostic codes for your hardware, but the general breakdown of the code categories is as follows: 100–199: Motherboard error 200–299: Memory error 300–399: Keyboard error 600–699: Floppy drive error 1400–1499: Printer error 1700–1799: Hard drive error As an A+ Certified Professional you will troubleshoot a number of different problems on the system — this table outlines some of the popular utilities you will use to support or troubleshoot a system. CompTIA has an infamous way of using one word in a question to expose the correct answer. I'd go through them anytime I had a spare moment at work or a long car ride, in addition to using them as a refresher before study sessions and as review after.According to CompTIA.org,Performance-based questions (PBQs) are exam items designed to test a candidate's ability to solve problems in real-world settings and are delivered as either simulations or within virtual environments.Each exam features 1–10 PBQs, with most test takers agreeing the average is around four per.CompTIA remains tight-lipped on the scoring criteria for the performance-based questions, while many speculate they're worth more than the multiple-choice questions and maintain potential for partial credit.PBQs do test content within the objectives in theory, however these multi-step questions can be difficult at first glance. Choose your desired restore point and click Next, and then click Next again. To climb the ladder in IT, you'll have to maintain a consistent thirst to know more. If you're lucky enough to be around classmates/professors from IT-related coursework, coworkers (for those already employed in tech), or even the family technology wiz, don't be afraid to ask questions. Creators like DeanCyber, Informatik Lab, and Data Center Technology have videos on their channel with practice PBQs that are strikingly similar to the real exam. Yeah duh, right? A+ is recognized industry wide as the "preferred qualifying credential for technical support and IT operational roles". Repetition is the key to these. exe: Resumes the Windows operating system if the system is started from a hibernate state. You can also get to restore points through Safe Mode, which could prove useful if you have been hit with a virus and are unable to launch System Restore normally. After completing the pair of assessments, most successful candidates leverage A+ to get started in IT or for promotion at a current position. Core 1 & 2 objectives are found on the official CompTIA Website. The four boot files for Windows are: bootmgr: Operating system loader code; similar to ntldr in previous versions of Windows. Also, the exam review has detailed reasoning for each answer choice shown. Hello and welcome to my 2024 A+ Certification Guide! After earning my A+ Cert, I wanted to create an all-in-one resource to assist aspiring techs in achieving similar success. With disk mirroring, the data is written to both drives involved in the mirror in order to provide data redundancy. The six steps are: Identify the problem. RAID 5 volumes need a minimum of three disks. RAID level 10 is also known as RAID 1+0 because it is a disk striping while mirroring the data written in the stripe. RAID level 0, the data is split across drives with no data redundancy. Establish a theory of probable cause. Architecture Bus Width (in Bits) Speed PCI 32/64 33 MHz AGP 32 66 MHz (1x), 133 MHz (2x), 266 MHz (4x), 533 MHz (8x) PCMCIA (laptops) 16 33 MHz PCI-X 32/64 66/133/266/533 MHz PCIe Serial Uses multiple lanes with each lane carrying 250 MBps. Do your homework.Research is pivotal throughout the entire process. It works with the hidden C:\windows\system32\dllcache directory and the original operating system CD. Be sure to know these before taking the A+ Exam! Filename Name Description chkdsk.exe Check Disk Check your hard drive for problems with the file system and for bad sectors. regedit.exe Registry Editor Make changes to Registry values; can be used to make selective backups. As an example, a PCIe x1 slot can carry data at 250 MBps, while a PCIe x4 slot can carry data at 1 GBps. RAID 10: Mirrored disk striping. Take this time to review notes/flashcards or maybe take a practice exam. taskmgr.exe Task Manager See running programs and services, terminate problems, and view rudimentary performance information about the system. Which is why I highly endorse physical flashcard practice (emphasis on handheld cards). Time is of the essence and taking too long on a question will set you back. Revisit flagged questions once you reach the end of the exam.One last thing...I forgot to mention that I am not an expert by any stretch of the imagination. Be confident! If you've made it this far through my guide, you've put the work in and now it's time to trust it.Deciding whether to take the test online or in person varies from person to person, just be sure to check in early in case of the inevitable issue that'll probably delay your test.Once you began the test, use these 3 tips to maximize how efficient you are with the allotted time.Read each question and every answer carefully. Again, to become A+ certified you must pass 2 separate exams, so create a plan for both. At the test's completion, a score report featuring your test time and score by domain is presented. Content ranging the roles that require A+ to the recommended certifications to pursue after A+, help in deciding if this cert is even for you. Standard Transfer Rate Device Support USB 1.0 12 Mbps 127 devices USB 2.0 480 Mbps 127 devices USB 3.0 5 Gbps 127 devices USB 3.1 10 Gbps 127 devices IEEE 1394 400 Mbps; also known as FireWire 63 devices IEEE 1394b 800 Mbps; also known as FireWire 800 63 devices FireWire S1600 1.6 Gbps 63 devices FireWire S3200 3.2 Gbps 63 devices CompTIA publishes a six-step process related to the troubleshooting process. Windows 7 supports disk mirroring. eventvwr.msc Event Viewer Logging component of the operating system; the central location for all logging activity. Boot Configuration Database (BCD): Builds the operating system selection menu and data resides in the BCD store. taskkill.exe Task Kill Terminate a running application or service on a computer. The two exams commonly referred to as Core 1 & 2, are used both to verify fundamental hardware and software knowledge. I genuinely believe users who follow my blueprint will be A+ Certified. Similar principles will apply with your exam prep. If you are employed full-time, I recommend jam packing a ton of material within a week's time. Be sure to go through all explanations to comprehend why it's correct/incorrect. With RAID 5 volumes, the data is written to multiple drives along with parity information that is used to help recover data if a single drive fails. Even if you are uncertain of the correct answer, make sure to provide a response. gpresult.exe Group Policy Results Evaluate the resultant policy results and list all GPOs which apply to the current computer or user. A goodnight's rest, eating a hearty breakfast and staying hydrated will combat anxiety you're likely to experience. In order to boot to a restore point, you boot off the Windows installation media and choose Repair Your Computer, then System Restore from the System Recovery dialog box. Before the A+ exams, you'll want to review some of the major Windows concepts, including boot files, recovery tools, RAID types, and troubleshooting utilities.One of the hardest tasks to perform when troubleshooting a system is fixing a system that will not boot. If you read a question too fast or skim through answer choices, it'll be easy to miss indicative words.2. Process of elimination is still key. Safe Mode Loads the operating system with minimal drivers An advanced startup menu option (F8) Last Known Good Configuration Loads the configuration from the last time you successfully booted and logged on An advanced startup menu option (F8) Automatic System Recovery (ASR) An automated installation and restore of Windows Press F2 during bootup You will need to know types of RAID for the A+ Certification Exam. I suggest beginning PBQ prep towards the end of your studying to keep it fresh. Restore points A snap-shot of a system's configuration; used to revert to a system's state before a driver or software was installed From the Start menu, select All Programs→Accessories→System Tools→System Restore. The information provided will serve as your ship across the rocky CompTIA 220-1101 & 220-1102 seas. RAID 5: Disk striping with parity (RAID 5 volume). PCIe version 2 doubles those transfer rates. Test the theory to determine cause. Heavy studying on exam day or the night before is a no no. Use this common hack to help you with questions that you are unsure of.3. Questions that force you to look to the ceiling and reach to the deepest depths of your mind, flag them and move on. Conclude your plan by choosing an exam date. Words to lookout for are "first", "most", "best", "next" specifically. There are many different levels of RAID, but the following are the only RAID levels pertinent to the A+ Exam: RAID 0: Disk striping (striped volume). Whether you're covering material quicker than expected or a certain concept is taking you longer to grasp, you won't be in sync every week. Extract the sections from the OBJs when making your plan and be sure to account for each concept, even going over ones you have prior knowledge of. But until then, thanks for riding with me and best of luck! © 1996-2014, Amazon.com, Inc. YouTube is littered with videos covering PBQ material. perfmon.exe Performance Console View detailed performance information msconfig.exe System Configuration Tool Reconfigure the boot process for troubleshooting and diagnosing the boot process. A number of different bus architectures have been developed over time. Image not available forColour: To view this video download Flash Player Buy CompTIA A+ Core 1 Exam For Dummies, 6th Edition (For Dummies (Career/Education)) by Clarke (ISBN: 9781394168613) from Amazon's Book Store. Windows allows you to boot your operating system to a restore point which allows you to revert back to that system configuration — very useful if your system has been hit with a virus. I recommend using a minimum of two sources, with Professor Messer's video series on YouTube being an absolute must.Professor Messer's videos feature the information you need to know (taken straight from the objectives, in order at that!). As I mentioned, below you notice how Messer correlates his videos with the OBJs making it so much easier to follow along.Objective 2.7, Core 1Professor Messer Video on Network TypesPair Messer with an A+ prep book, extensive online research, onsite training, platforms like Pluralsight, and/or any of the million other resources available.Step 3: PracticeOnce you've built a solid foundation of knowledge, put it to the test with Jason Dion's Practice Exams on Udemy. For more information, please see our Cookie Notice and our Privacy Policy. Having someone explain concepts in their own words can fill gaps left by the internet or a book.My absolute favorite instrument of success is the CompTIA subreddit. You can take the exams "back-to-back" however, those who allocate time for the tests individually have more success passing on the first attempts (per IT Training Blog). From my experience, almost every question had 2 answers I ruled out immediately. Document findings, actions, and outcomes. That being said, here is MY comprehensive guide on how to become A+ certified.Research, Research & More Research!It's important you are well aware of what you're getting yourself into. This is completely fine! Remember, your guide should be used to promote efficient studying and measure your progression from week to week.Step 2: The StudyEveryone who's passed a CompTIA exam will advise you to vary the sources you learn from. Consider all factors when creating your schedule. You want your practice exam scores to be at least 80+% before taking the real deal. This will give you a deadline to hold yourself accountable to.Likely, you'll find yourself slightly offtrack. You will need to understand what they are on your A+ Exam. This table compares features of USB and FireWire, including the transfer rate and number of devices supported. Reading testimonies of what users wish they could have done differently and seeing what materials worked for them prevented me from being blindsided come exam time. Verify full system functionality and if applicable implement preventative measures. exe: Loads the Windows operating system if selected from the operating system selection menu provided by BCD. On the official exam, promote good time management by answering these last (they take the longest to complete). You need a minimum of two drives. Utility Description Access Recovery Console Command line interface for troubleshooting disk issues and boot problems Boot off the Windows installation CD or using the boot menu if preinstalled Repair Mode Provides access to GUI and command line recovery tools Boot off the Windows installation media or recovery media. Establish a plan of action to resolve the problem and implement the solution. defrag.exe Disk Defragmenter Used from the command line, or graphically through the Microsoft Management Console (MMC) and dfrg.msc. If that happens to be you, send me a message on LinkedIn and let's chat about our A+ journeys. This Cheat Sheet gives you quick facts to remember on test day to help you answer questions found on the A+ Certification exams. He covers the surface level of each objective, while displaying on screen notes to match. By accepting all cookies, you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. If you were looking for "Pass A+ in 2 weeks" content, I'm sorry to have wasted your time. It features test hacks & recommended study material that will increase your chances at passing both exams on the first ... Luckily, the 9 minibooks in CompTIA A+ Certification All-in-One For Dummies make it easier to prepare for this all-important exam so you can pass with flying colors! It quickly and easily gets ... For example, questions on port numbers, components of a specific printer type, speed of a specific cable type. You'll come to realize there are a lot of numbers and steps to remember. This is where you'll find posts relating to exam experiences, test-taking tips, and general IT questions. With potential partial credit on the line, you don't want to forfeit points.Informatik Lab Practice PBQTest Taking TipsExam day, be sure to relax your mind as much as possible. Questions that don't require a lot of numbers and steps to remember. Do yourself a solid and begin researching what to expect come test time. RAID (Redundant Array of Inexpensive Disks) is a method of implementing redundancy (duplicated information) on your hard drives — if one disk fails, the other disk(s) can provide the missing information. The A+ Certification exams expect you to be comfortable with the different recovery tools available in Windows. I guarantee you questions that come to mind during your study have already been asked and answered time and time again. Hear me out. I ran through his videos twice, the first time for a general overview of the material and then a second time while writing detailed notes (emphasis on handwritten notes). Windows will now boot to that restore point. Try a lighter load. Exam guides, release dates, and costs, amongst other things, are listed on Comptia.org. Besides the vast amount of tools the group linked me to, I found it especially useful for grounding purposes. So here it is! This guide features everything I wish I'd known when I started my journey, combined with tools that helped me to ace both exams on the first attempt.

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