

# Mastering CompTIA Security+ (SY0-701)

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**The Ultimate Guide**

# Table of Contents

- What is Cybersecurity?.....3
- What is Security+?.....3
- What is CompTIA Security+ (SY0-701)?.....4
- Pre-Requisites.....4
- CompTIA Security+ (SY0-701) Certification Exam Format.....5
- CompTIA Security+ (SY0-701) Certification Exam Domains.....6
- Who Should Take the Security + (SY0-701) Exam?.....7
- How do you Book the Security+ (SY0-701) Exam?.....7
- Exam Retake Policy.....8
- How to Renew Security+ Certificate?.....9
- Training.....10
- Security+ Books.....11
- Security+ Practice Questions Resources.....12
- External Trusted Resources.....12



# What is Cybersecurity?

In today's digital era, cybersecurity stands as a critical pillar in protecting individual privacy and organizational data integrity against an ever-evolving landscape of threats. With the exponential growth of data and the relentless evolution of cyber threats, implementing robust cybersecurity measures is more crucial than ever. It includes diverse practices, technologies, and processes to secure networks, systems, and data from cyber-attacks, unauthorized access, or damage, ensuring infrastructure resilience and information privacy. As cyber-attacks grow unprecedentedly, the need for skilled security professionals continues to surge.

# What is Security+?

The Security+ certification, offered by CompTIA, provides a foundational stepping stone for individuals aspiring to build a career in cybersecurity. It equips candidates with the essential knowledge and skills to tackle the dynamic challenges of securing modern networks, systems, and data. Whether you are starting your journey in the cybersecurity field or seeking to validate your skills with a globally acknowledged credential, mastering Security+ is a crucial step toward achieving your professional goals.



# What is CompTIA Security+ (SY0-701)?

The CompTIA Security+ (SY0-701) is a globally recognized, vendor-neutral certification that verifies the essential skills needed to carry out fundamental security functions and embark on a career in IT security. It evaluates an individual's proficiency in a range of critical areas, including:

- ✓ **Network Security:** Understand how to secure and protect network infrastructure.
- ✓ **Cloud Security:** Knowledge of securing cloud environments and understanding cloud-related security concerns.
- ✓ **Cryptography:** Familiarity with cryptographic principles and practices to secure communications and data.
- ✓ **Incident Response:** Ability to effectively respond to and manage security incidents.
- ✓ **Risk Management:** Understand how to identify, analyze, and mitigate risks to information security.

The (SY0-701) update to the Security+ exam acknowledges the dynamic landscape of cybersecurity and the evolving demands of IT security roles. It ensures the certification remains relevant to the most recent security trends and technologies. CompTIA routinely revises the exam syllabus to align with the latest cybersecurity practices, technologies, and job roles. This ongoing effort ensures that individuals holding the certification are well-prepared to address current security challenges.

## Pre-Requisites

- ✓ CompTIA A+ and CompTIA Network+
- ✓ It is recommended to have at least two years of experience in IT administration with a focus on security, hands-on experience with technical information security, and broad knowledge of security concepts.

# CompTIA Security+ (SY0-701) Certification Exam Format

<b>Exam Code</b>	SY0-701
<b>Launch Date</b>	November 7, 2023
<b>Exam Duration</b>	90 Minutes
<b>Exam Format</b>	Multiple Choice and Performance-based
<b>Number of Questions</b>	Max 90 Questions
<b>Passing Score</b>	750 (on a scale of 100 -900)
<b>Exam Language</b>	English, Japanese, Portuguese, and Spanish
<b>Testing Provider</b>	Pearson VUE: 1. Testing Centers 2. Online Testing
<b>Exam Price</b>	U.S. \$392 (Subjected to the Country)
<b>Validity of Certificate</b>	<p>The Security+ certification (SY0-701) version remains valid for three years starting from the exam pass date.</p> <p>If you hold a valid (SY0-701) certificate, you can renew it by participating in CompTIA's Continuing Education (CE) program. This program allows you to accumulate credits through cybersecurity-related activities and training, extending your certification validity for another three years.</p>

# CompTIA Security+ (SY0-701) Certification Exam Domains

Exam Domains	Weightage
General Security Concepts	12%
Threats, Vulnerabilities, and Mitigations	22%
Security Architecture	18%
Security Operations	28%
Security Program Management and Oversight	20%





# Who Should Take the Security + (SY0-701) Exam?

The SY0-701 Security+ Exam is designed for those looking to begin or progress their careers in cybersecurity. It is ideal for a variety of roles, such as:

- ✓ Network Administrators
- ✓ System Administrators
- ✓ Security Engineers
- ✓ Security Consultants
- ✓ Security Specialists
- ✓ IT Auditors
- ✓ Penetration Testers
- ✓ Individuals new to cybersecurity

# How do you Book the Security+ (SY0-701) Exam?

You have two primary options to schedule your CompTIA Security+ (SY0-701) exam: through a Pearson VUE testing center or online via Pearson VUE's OnVUE service. Both methods are designed to accommodate different preferences and circumstances.

## 1. Booking at a Pearson VUE Testing Center

- ✓ Visit the **Pearson VUE website** for CompTIA certifications  
[\\_\(<https://home.pearsonvue.com/comptia>\)\\_.](https://home.pearsonvue.com/comptia)
- ✓ Create a **Pearson VUE account**, providing the necessary personal details.
- ✓ Select "**CompTIA Security+ (SY0-701)**" from the list of available exams.
- ✓ **Schedule your exam** at a convenient time and date at a Pearson VUE testing center.
- ✓ **Pay the exam fee** using a debit/credit card or other accepted methods.
- ✓ Receive a **confirmation email** with exam details from Pearson VUE after successful payment.

## 2. Booking for Online Proctored Exam

- ✓ Visit the **official CompTIA website** and access the certification section.
- ✓ Sign in to your **CompTIA account** or **create a new** one if necessary.
- ✓ Under certifications, select the **Security+ (SY0-701) exam** to schedule it.
- ✓ Perform a **system check** on your computer to ensure it meets online proctored exam requirements.
- ✓ **Download and install Pearson VUE's OnVue** software as directed.
- ✓ **Pay the exam fee** by choosing the online proctored exam option.
- ✓ **Receive a confirmation email** with exam details and online proctored exam instructions.

**Note:** Check the CompTIA and Pearson VUE websites for any updates or changes to the booking process or exam delivery options.





# Exam Retake Policy

The retake policy for the CompTIA Security+ (SY0-701) exam is designed to provide candidates with multiple opportunities to pass the exam while ensuring a mandatory waiting period between certain attempts to maintain the integrity of the certification process.

## First and Second Attempts:

- ✓ **Immediate retakes allowed:** You can retake the exam without any waiting period between the first and second attempts. This means if you fail on your first try, you can immediately schedule a second attempt.

## Subsequent Attempts (Third and Beyond):

- ✓ **Mandatory 14-day waiting period:** After the second attempt, a mandatory waiting period of at least 14 calendar days is required before retaking the exam. This waiting period applies to every attempt after the second one.

## Additional Points:

- ✓ **No free retakes:** Each exam retake requires payment of the full exam fee. CompTIA does not provide free retakes or discounts on retake fees.
- ✓ **Exam voucher:** Vouchers purchased for the exam are valid for 12 months since purchase. You must ensure that you schedule and take your exam within this timeframe.
- ✓ **Violations:** Violations of the retake policy, such as attempting the exam more than twice without observing the 14-day waiting period, could invalidate the exam result and potentially prohibit you from participating in future CompTIA exams.

## How to Renew Security+ Certificate?

To renew your CompTIA Security+ (SY0-701) certificate, you have several options:

- ✓ **Earn CEUs:** Collect 50 Continuing Education Units (CEUs) within three years by engaging in activities and training sessions and submitting them to your certification account.
- ✓ **Higher-Level Certification:** Obtain a higher-level CompTIA certification, like CySA+ or CASP+, which automatically renews your Security+.
- ✓ **CertMaster CE:** Complete the CompTIA CertMaster CE, an online, self-paced CE course for Security+ online courses, to renew your certification automatically.
- ✓ **Pass the Latest Exam:** Renew by passing the most current version of the Security+ exam.

**Note:** Always check the CompTIA website for the latest renewal guidelines and requirements.



# Training

Training for the CompTIA Security+ (SY0-701) certification is essential for individuals looking to excel in the exam and advance their careers in cybersecurity. Various training providers offer courses tailored to equip participants with the required knowledge and skills.

✓ **InfosecTrain:** InfosecTrain is renowned for its comprehensive training programs, specifically in information security and cybersecurity, including [CompTIA Security+ \(SY0-701\)](#). We offer hands-on labs, real-world case studies, and interactive sessions led by **expert instructors**, along with access to forums or study groups for extra support. CompTIA Security+ training from InfosecTrain offers a comprehensive course tailored to the (SY0-701) exam. This program ensures that participants are well-prepared, combining in-depth theoretical knowledge with **practical skills** vital for exam success and beyond. After completing the training, participants **receive video lectures, practice tests**, and various **study materials** to accommodate different learning preferences.

✓ **Udemy:** Udemy, a popular online learning platform, provides a wide range of CompTIA Security+ (SY0-701) preparation courses taught by expert instructors. Courses on Udemy are often more affordable, making it an accessible option for many. Udemy's [TOTAL: CompTIA Security+ Cert \(SY0-701\)](#) training led by Mike Meyers, Dan Lachance, and Lyndon Williams offers a comprehensive learning experience for cybersecurity enthusiasts.

## Books

When preparing for the CompTIA Security+ (SY0-701) exam, selecting the right study materials is crucial for success. Here are some top-recommended books for CompTIA Security+ (SY0-701) exam preparation:

✓ **[CompTIA Security+ \(SY0-701\) Certification Study Guide on CompTIA's Official Site:](#)**

This is an authoritative study guide developed with **CompTIA's own** materials. It aims to equip you with the knowledge needed to excel in your Security+ certification exam.

✓ **CompTIA Security+ Certification Kit: [Exam \(SY0-701\) by Mike Chapple and David Seidl:](#)** This comprehensive kit includes a **study guide, practice tests, flashcards,** and additional **online materials**. It is an excellent choice for learners seeking to immerse themselves in the study material and comprehensively assess their exam preparedness.

✓ **CompTIA Security+ Get Certified Get Ahead: [\(SY0-701\) Study Guide by Joe Shelley & Darril Gibson:](#)** This study guide focuses on a deep comprehension of Security+ certification requirements, providing **detailed explanations, review questions,** and **practical insights**. Its user-friendly approach breaks down complex concepts for learners at all levels, ensuring a solid understanding of crucial cybersecurity principles and practices, essential for exam success.

✓ **CompTIA Security+ (SY0-701) Certification Guide: [Master cybersecurity fundamentals and pass the \(SY0-701\) exam on your first attempt by Ian Neil:](#)** Ian Neil's guide is comprehensive and focuses on mastering the essentials of IT security as outlined in the exam. It is structured to facilitate learning with easy-to-understand language and is supplemented with practice questions and quizzes.

## Practice Questions Resources

Several resources are available that offer practice questions for the CompTIA Security+ (SY0-701) exam. Some popular ones include:

- ✓ **CompTIA Security+ Practice Tests: [Exam \(SY0-701\) 3rd Edition by David Seidl](#):** For individuals preparing to take the exam, this book is an invaluable resource, offering **thousands of sample questions** that closely match the format and challenge level of the actual test. This comprehensive compilation of practice tests includes every single objective domain included on the (SY0-701), making it an excellent way to gauge preparedness and pinpoint areas needing additional focus.
- ✓ **CompTIA Security+ Study Guide with over 500 Practice Test Questions: [Exam \(SY0-701\) \(Sybex Study Guide\) 9th Edition by Mike Chapple & David Seidl](#):** This book is a comprehensive guide designed to help participants prepare for the CompTIA Security+ (SY0-701) exam, covering all the necessary topics and concepts. It includes over **500 practice test questions** and **100 flashcards**, providing a valuable resource for those looking to assess their readiness and identify areas for further study.

## External Trusted Resources

Here are some other resources that are well-regarded in the IT certification community and are considered trustworthy:

### ✓ InfosecTrain YouTube Channel

Elevate your cybersecurity knowledge with InfosecTrain's captivating YouTube series!

- Discover the latest in cybersecurity with "[What's new in CompTIA Security+ SY0-701?](#)" which unveils the most recent updates, features, and exam objectives critical for your cybersecurity career advancement.
- Explore the free Defensive Security Interview Questions series offered by InfosecTrain: [Part 1](#), [Part 2](#), [Part 3](#), [Part 4](#), [Part 5](#), [Part 6](#), [Part 7](#), [Part 8](#), [Part 9](#), and [Part 10](#).
- Explore key cybersecurity concepts through the InfosecTrain series:



- » [What is Buffer Overflow?](#)- A deep dive into a common exploit vector.
- » [What is SQL Injection?](#)- Understanding this widespread hacking technique.
- » [What is Cross-Site Scripting \(XSS\)?](#)- Protecting against common web attacks.
- » [What is Authentication?](#)- The cornerstone of secure access.
- » [What are Vishing Scams? | How to Protect Yourself from Vishing Scams?](#)- Stay ahead of voice phishing tricks.
- » [What is a Phishing Attack?](#)- Identifying and defending against deceptive cyber threats.
- » [What is Social Engineering and Its Techniques?](#)- Tactics used to manipulate the human element of security.
- » [What is Malware? | Types of Malware](#)- A comprehensive look at malicious software.
- » [What is a Trojan Horse Virus?](#)- Insight into one of the most deceptive cyber threats.

- ✓ **ExamCompass:** ExamCompass offers a wide range of practice tests for various IT certifications, including CompTIA certifications. Its practice tests are appreciated for their alignment with the **actual exam objectives** and for being **freely accessible**, making it a popular choice for self-study among candidates preparing for IT certification exams. You can find practice tests for both the SY0-601 and the new SY0-701 exams, covering various topics and providing a comprehensive review before the actual test.
- ✓ **Professor Messer's Website:** [Professor Messer](#) provides a wide range of study resources for CompTIA Security+ candidates. This includes free video courses covering every aspect of the Security+ syllabus, course notes summarizing key points from the videos, and various study packs that bundle books, **practice exams**, **performance-based** questions, and more. Professor Messer is well-known for providing quality, up-to-date content for CompTIA exams, including Security+.



## Final Words:

Obtaining a CompTIA Security+ certification marks the beginning of a rewarding journey in the cybersecurity field. This certification not only validates one's foundational expertise in security principles and practices but also opens the door to numerous opportunities in this ever-growing domain. To succeed and advance in your career, it is crucial to embrace a mindset of ongoing learning, seek opportunities for professional growth, and consider specialization in areas of high demand. Embrace the path of constant evolution and play a vital role in shaping a secure digital future.





[www.infosectrain.com](http://www.infosectrain.com) | [sales@infosectrain.com](mailto:sales@infosectrain.com)