

## Microsoft Security Fundamentals: Exam 98-367

The Microsoft Security Fundamentals Exam (98-367) validates introductory security knowledge and skills and can be used to enter the workforce, or prepare students for the Microsoft Certified Solutions Associate certification. It is the next step in building a career in Desktop Support, Desktop and Device Cloud Management, Data and Applications Management, and Network or Server Administration.

### Salary and Career Path:

MTA prepares students to fill high demand positions by validating their knowledge through industry recognized certifications.

Students may already be making an effort to learn fundamental security concepts. Validating their knowledge and providing them with a Microsoft certification, prepares them for a career in technology, by providing the credentials they need to enter the workforce.

### Pre-Requisites:

Before testing, students should have a solid foundational knowledge of the topics listed below and also have hands-on experience with Windows Server, Windows based networking, Active Directory, Anti-Malware products, firewalls, network topologies and devices, and network ports. Relevant job experience is not required.

### Preparation and Resources:

To prepare for this exam, Microsoft recommends both hands-on experience and exam preparation. Below are some resources to help prepare for the exam:

- Free self-paced training is available through Microsoft Virtual Academy
- Study guides are available through Certiport
- 3-day courses can be purchased through a Microsoft Learning Partner

### Skills Measured

This Security Fundamentals Exam measures a student's ability to accomplish the tasks listed in the following table. Please note: This is not an exhaustive list of topics and skills that could be included on the exam.

# Exam 98-367: Security Fundamentals

|   |  |
|---|--|
| <p>Objective:<br/>Understanding Security Layers</p>           | <p>Understand Core Security Principles: Including but not limited to confidentiality, integrity, availability; How threat and risk impact principles.</p> <p>Understand Physical Security: Site security, computer security, removable devices and drives, etc.</p> <p>Understand Internet Security: Browser settings, zones, secure Web sites.</p> <p>Understand Wireless Security: Advantages and disadvantages of specific security types, keys, SSID, MAC filters</p>  |
| <p>Objective:<br/>Understanding Operating System Security</p> | <p>Understand User Authentication: Multifactor, smart cards, RADIUS, Public key Infrastructure (PKI), etc.</p> <p>Understand Permissions: File, share, registry, Active Directory, NTFS vs. FAT, etc.</p> <p>Understand Password Policies: Password complexity, account lockout, password length, password history, etc.</p> <p>Understand Audit Policies: Types of auditing, what can be audited; enabling auditing, what to audit for specific purposes, where to save audit information, how to secure audit information.</p> <p>Understand Encryption: EFS, how EFS-encrypted folders impact moving and copying files, BitLocker (To Go), etc</p> <p>Understand Malware: Buffer overflow, worms, Trojans, spyware.</p> |
| <p>Objective:<br/>Understanding Network Security</p>          | <p>Understand Dedicated Firewalls: types of hardware firewalls and their characteristics, when to use a hardware firewall instead of a software firewall, etc.</p> <p>Understand Network Access Protection (NAP): purpose of NAP, requirements for NAP</p> <p>Understand Network Isolation: VLANs, routing, honeypot, DMZ, NAT, VPN, IPsec, Server and Domain Isolation.</p> <p>Understand Protocol Security: Protocol spoofing, IPsec, tunneling, DNSsec, network sniffing, common attack methods.</p>  |
| <p>Objective:<br/>Understanding Security Software</p>         | <p>Understand Client Protection: Anti-virus, User Account Control (UAC), keeping client operating system and software updated, encrypting offline folders, software restriction policies.</p> <p>Understand E-mail Protection: Anti-spam, anti-virus, spoofing, phishing and pharming, client vs. server protection, SPF records, PTR records.</p> <p>Understand Server Protection: separation of services, hardening, keeping server updated, secure dynamic DNS updates, disabling unsecure authentication protocols, Read-Only Domain Controllers, separate management VLAN, Microsoft Baseline Security Analyzer (MBSA).</p>   |



**ABOUT CERTIPORT**  
 Certiport®, a Pearson VUE business, prepares individuals with current and relevant digital skills and credentials for the competitive global workforce. These solutions are delivered by more than 12,000 Certiport Centers worldwide and include the official Microsoft Office certification program, the Microsoft Technology Associate certification program, the Adobe® Certified Associate certification program, the Adobe® Certified Expert program, the HP Accredited Technical Associate, the CompTIA Strata™ IT Fundamentals, the Autodesk® Certified User certification program, the Intuit® QuickBooks Certified User certification program and the IC3 Digital Literacy certification.