



# How to become a SOC Analyst

**Become an Expert Security  
Operations Centre Analyst**

**ZYBERSEC SOC**

Becoming the best Security Operations Analyst requires a combination of technical expertise, experience, and a strong set of soft skills. Here are some steps you can take to become the best Security Operations Analyst.

# 1. Build a strong foundation in cybersecurity:

To become a Security Operations Analyst, you need to have a solid understanding of the fundamentals of cybersecurity. This includes knowledge of networking, operating systems, and security principles such as confidentiality, integrity, and availability.

## 2. Learn security tools and technologies:

You will need to be proficient in security tools and technologies such as;

- Firewalls
- Intrusion detection systems
- Vulnerability scanners
- SIEM (Security Information and Event Management) platforms.

### 3. Stay up to date with the latest security trends and threats:

The threat landscape is constantly evolving, and as a Security Operations Analyst, it is important to stay up to date with the latest threats and vulnerabilities. This includes reading security blogs, attending conferences, and participating in training programs.

# 4. Communicate effectively:

A large part of a Security Operations Analyst's job involves communicating with stakeholders across the organization. This includes technical and non-technical audiences, so it is important to be able to communicate complex security concepts in a clear and concise manner.

# 5. Develop analytical skills:

As a Security Operations Analyst, you will need to be able to analyze and interpret data to identify potential threats and vulnerabilities. This requires strong analytical skills and the ability to think critically.

# 6. Develop a strong work ethic:

Being a Security Operations Analyst can be demanding, and often involves working long hours and dealing with high-stress situations. Having a strong work ethic and the ability to handle pressure is crucial to being successful in this role.

## 7. Gain experience:

Finally, gaining practical experience in the field is essential to becoming the best Security Operations Analyst. Look for internships or entry-level positions in security operations to gain hands-on experience and develop your skills. Once you have some experience under your belt, seek out additional training opportunities to continue to build your knowledge and expertise.

# 8. Check List:

## 1. Build a strong foundation in cybersecurity.

- Learn the fundamentals.
- Understand the legal and regulatory landscape.
  - General Data Protection Regulation (GDPR)
  - Australian Privacy Act 1988
  - California Consumer Privacy Act (CCPA)
  - Health Insurance Portability and Accountability Act (HIPAA)
- Earn industry certifications.
  - CompTIA Security+
  - Certified Ethical Hacker (CEH)
  - GIAC Security Essentials (GSEC)
  - CompTIA Cybersecurity Analyst (CySA+)

## 2. Learn security tools and technologies.

- Firewall
- Intrusion Detection System/Intrusion Prevention System (IDS/IPS)

- Vulnerability Scanner
- Security Information and Event Management (SIEM) system
- Anti-virus/Anti-malware software
- Penetration Testing Tools
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### 3. Stay up to date with the latest security trends and threats.

- Follow security news sources.
- Attend conferences and webinars.
- Join online security communities.
- Read industry reports and research.
- Participate in security competitions.
- Network with other security professionals.

### 4. Develop analytical skills.

- Improve your knowledge of security threats.
- Develop your critical thinking skills.
- Practice data analysis.
- Participate in security exercises and simulations.



Get feedback and learn from others.

5. Communicate effectively.
6. Develop a strong work ethic.
7. Gain experience.



"Help organisations design and implement sustainable and resilient cybersecurity postures".

Feedback on this document and suggestions for future topics are encouraged and welcome.  
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