Cybersecurity

TechGuide - Alura, FIAP e PM3

Cybersecurity

Level 1

Cryptography - Fundamentals:

Cryptography in cybersecurity is the conversion of data from a readable format into an encrypted format. Encrypted data can only be read or processed after it has been decrypted.

```
GeeksForGeeks: Cryptography <a href="https://www.geeksforgeeks.org/cryptography-">https://www.geeksforgeeks.org/cryptography-</a>
WebSite
       Introduction (
                                       introduction/
       Introduction to
                                   https://medium.com/coinmonks/introduction-to-
ArticleCryptography: One time
                                   cryptography-one-time-pads-and-stream-
                                                                                     )
       pads and stream ciphers (
                                   ciphers-3b62c7003da8
       A Whirlwind Tour of
                                 https://user3141592.medium.com/notes-on-
Article
       Modern Cryptography (
                                 computational-cryptography-98db5f2908f1
       Understanding the 3
                                https://spin.atomicobject.com/2014/11/20/encryption-
ArticleMain Types of
                                symmetric-asymmetric-hashing/
       Encryption (
       Why Is Symmetric Key
                                   https://medium.com/asecuritysite-when-bob-met-
       Encryption So Much Faster <u>alice/why-is-symmetric-key-encryption-so-much-</u>
Article
       Than Asymmetric (Public)
                                  faster-than-asymmetric-public-key-
                                   e9e40d6475bc
       Key? (
       Programming
                              https://randerson112358.medium.com/programming-
ArticleEncryption Algorithms
                              encryption-algorithms-520cb98c039d
```

```
Next Day Video: <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                )
        Crypto 101 (
                               v=3rmCGsCYJF8&ab_channel=NextDayVideo
Simply Explained:
                                      https://www.youtube.com/watch?
        Asymmetric Encryption ( v=AQDCe585Lnc&ab_channel=SimplyExplained
        itfreetraining: Symmetric Key and <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
                                                                                                 )
        Public Key Encryption (
                                             v=ERp8420ucGs&ab_channel=itfreetraining
        Eddie Woo: The RSA <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
Article
                                                                                                 )
        Encryption Algorithm ( <u>v=4zahvcJ9glg&ab_channel=EddieWoo</u>
```

Cybersecurity Framework:

The Cybersecurity Framework is a guidance guide for organizations - in any industry or community - that seek to improve cybersecurity risk management through the use of Frameworks. While the Cybersecurity Framework is not a one-size-fits-all approach to managing cybersecurity risks for organizations, it ultimately aims to reduce and better manage those risks. As such, this guide is intended for any and all organizations, regardless of industry or size.

```
WebSiteNIST (https://www.nist.gov/cyberframework)
WebSiteSOC2 (https://www.aicpa.org/home)
WebSiteWhat is ISO 27001? (https://advisera.com/27001academy/what-is-iso-27001/)
Cybersecurity
Article
Framework 101 (
                                        https://medium.com/edureka/cybersecurity-
                                                                                                              )
                                        framework-89bbab5aaf17
Top 10 Cybersecurity <a href="https://medium.com/@niitwork0921/top-10-">https://medium.com/@niitwork0921/top-10-</a>
Frameworks to Know (

<a href="mailto:cybersecurity-frameworks-to-know-8ee51d4f5b3e">cybersecurity-frameworks-to-know-8ee51d4f5b3e</a>
ArticleCyber Security Guide (<a href="https://www.stanfieldit.com/cyber-security/">https://www.stanfieldit.com/cyber-security/</a>)
         Optic Cyber: NIST Cybersecurity
                                                             https://www.youtube.com/watch?
YouTube
         Framework Overview (
                                                             v=4NSQCmAw6Ck
         National Institute of Standards and
                                                                   https://www.youtube.com/watch?
         Technology: The Cybersecurity Framework (<u>v=J9ToNuwmyF0</u>
```

Hacker Techniques:

Understanding the methodologies and techniques attackers use to perform reconnaissance as a pre-attack step, including how they use open source intelligence, network scanning, and target enumeration attacks to find the gaps in their network security.

Using attacker techniques to assess the security of a target network, evaluating popular protocols and endpoints for Windows, Linux, and cloud destinations.

Contents

```
WebSitePTES (<a href="http://www.pentest-standard.org/index.php/Main_Page">http://www.pentest-standard.org/index.php/Main_Page</a>)
```

WebSiteOWASP (https://owasp.org)

WebSiteOSSTMM (https://www.isecom.org/OSSTMM.3.pdf)

```
Penetration Testing Steps:

ArticleAnatomy of a Successful

Pentest (

https://www.securecoding.com/blog/penetration-testing-steps/
```

```
My pentesting methodology <a href="https://medium.com/@nclvnp/enumeration-">https://medium.com/@nclvnp/enumeration-</a>
(Enumeration) ( <a href="mailto:1976c5d55b1b">1976c5d55b1b</a>
```

```
Password <a href="https://medium.com/rangeforce/password-cracking-">https://medium.com/rangeforce/password-cracking-</a>
Article
Cracking (<a href="https://medium.com/rangeforce/password-cracking-">6d9612915f03</a>
```

```
Tech Xpress: How To Become A Hacker In <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
2023 | Step By Step Guide For Beginners (

v=W6vcd2gJw3Q
```

WebSiteHack The Box: A Massive Hacking Playground (https://www.hackthebox.com)

Vulnerability assessment:

Framework techniques and tactics from various services and tools that provide a vulnerability scanning and management solution.

```
Open source vulnerability <a href="https://medium.com/purple-team/open-source-">https://medium.com/purple-team/open-source-</a>
Articleassessment tool OpenVAS vulnerability-assessment-tool-openvas-
                                                                                                     )
                                        e7036c1e48fd
        GeeksForGeeks: OpenVAS https://www.geeksforgeeks.org/installing-
WebSite
                                                                                                     )
        Install (
                                        openvas-on-kali-linux/
        Jon Good: Nessus Vulnerability <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                     )
        Scanner Tutorial (
                                             v=x87gbgQD4eg&ab_channel=JonGood
        HackerSploit: Vulnerability
                                             https://www.youtube.com/watch?
YouTube
                                                                                                     )
        Analysis With OpenVAS (
                                             v=koMo_fSQGlk&ab_channel=HackerSploit
YouTubeScanning Best Practices (<a href="https://www.youtube.com/watch?v=SIRyd3f57c0">https://www.youtube.com/watch?v=SIRyd3f57c0</a>)
WebSiteQualys (https://www.gualys.com)
```

Firewalls, IDS and IPS:

Definitions and differences between network security devices, firewalls, intrusion prevention systems (IPS) and intrusion detection systems (IDS).

A firewall allows traffic depending on a set of rules that have been configured. It is based on source, destination and port addresses. A firewall can deny any traffic that does not meet the specified criteria.

IDS are passive monitoring system devices that monitor network traffic as it travels over the network, compare signature patterns, and trigger an alarm if suspicious activity or a known security threat is detected.

IPS is an active device that prevents attacks by blocking them.

Contents

WebSitepfSense (https://www.pfsense.org)

```
A Guide to the
                                  https://medium.com/@jasonrigden/a-guide-to-
                                 the-uncomplicated-firewall-ufw-for-linux-
ArticleUncomplicated Firewall
                                                                                    )
       (UFW) for Linux (
                                  570c3774d7f4
      Pf-sense Firewall
                            https://the-dark-lord.medium.com/pf-sense-firewall-
Article 
                            part-1-1d9d17c5a7a6
       explained (
       Compare: Firewalld /
                                  https://iceburn.medium.com/compare-firewalld-
Articlelptables / Nftables / Netfilter
                                   iptables-nftables-netfilter-de08a8d21b5b
```

```
GeeksForGeeks: Intrusion
                                              https://www.geeksforgeeks.org/intrusion-
WebSite
        Detection System (IDS) (
                                              detection-system-ids/
        GeeksForGeeks: Intrusion
                                           https://www.geeksforgeeks.org/intrusion-
WebSite
        Prevention System (IPS) (
                                           prevention-system-ips/?ref=lbp
       Learning More about <a href="https://gupta-bless.medium.com/learning-more-about-">https://gupta-bless.medium.com/learning-more-about-</a>
Article
        IPS and IDS (
                                 ips-and-ids-ef6d859c2ab3
                                    https://www.youtube.com/watch?
       Linode: iptables
YouTube
                                                                                               )
        Complete Guide (
                                    v=6Ra17Qpj68c&ab_channel=Linode
        CBT Nuggets: IDS <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                               )
        vs. IPS (
                              v=rvKQtRklwQ4&ab_channel=CBTNuggets
```

Digital Investigation - Fundamentals:

Digital Investigation is the use of science to investigate digital crimes and determine facts, which has emerged from the use and spread of digital systems such as computers and smartphones.

Contents

```
DFIRScience: Intro to Cybercrime and <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                       )
                                               v=sKijIRCRiKU
       Networks (
       DFIRScience: Cybersecurity and
                                             https://www.youtube.com/watch?
YouTube
                                             v=3kEkXunWKaU
       Cybercrime (
       DFIRScience: Digital Investigation
                                             https://www.youtube.com/watch?
YouTube
       Methods (
                                             v=72lhrc_MZ6o
YouTube Tools (
       My CS: Digital Forensics
                                     https://www.youtube.com/watch?
                                                                                       )
                                     v=Hwbb7zAWamq
       What is Digital https://haniahshafi.medium.com/what-is-digital-forensics-and-
       Forensics (
                      how-it-is-used-in-investigations-4389fdce7549
                                https://medium.com/cyversity/digital-forensics-
       Digital Forensics
Article
                                                                                       )
       Investigation Steps (
                                investigation-steps-f06a82c2c4ac
```

Password attack:

In cryptanalysis and security, password cracking is the process of recovering passwords from data that has been stored or transmitted by a computer system in encrypted form. A common approach (brute force attack) is to repeatedly try guesses

for the password and compare them with an available cryptographic hash of the password.

Contents

```
https://medium.com/rangeforce/password-cracking-
       Password
Article
       Cracking (
                          6d9612915f03
Cyber Security:
Article
                                https://liu-111.medium.com/cyber-security-password-
       Password Attacks (
                                 attacks-8ea7fbdf307a
       How to brute force FTP, SSH, https://twriting.medium.com/how-to-brute-
Articlelogin and password using
                                     force-ftp-ssh-login-and-password-using-hydra-)
       Hydra (
                                     5a5ceaf763f9
       Brute-force attacks <a href="https://pentestit.medium.com/brute-force-attacks-">https://pentestit.medium.com/brute-force-attacks-</a>
Article
                                                                                       )
                           using-kali-linux-49e57bb89259
       with Kali Linux (
       DVWA Brute Force
                                https://medium.com/@dannybeton/dvwa-brute-
Article
       Tutorial (Low Security) ( force-tutorial-low-security-463880d53e50
       Hashcat 101: Cracking https://medium.com/@cyberforensicator57/hashcat-
Article
       Password Hashes (
                               101-cracking-password-hashes-bb524b115f71
       CertBros: How to HACK Website Login <a href="https://www.youtube.com/watch?v=-">https://www.youtube.com/watch?v=-</a>
YouTube
       Pages | Brute Forcing with Hydra ( <u>CMBoJ60K1A&ab_channel=CertBros</u>
       Logan Therrien: Medusa
                                       https://www.youtube.com/watch?
                                                                                       )
YouTube
       Tutorial (
                                       v=hZQ3AumggaA
```

Open-Source Intelligence:

OSINT (Open Source Intelligence) can be defined as a set of activities to collect, store and analyze information from public sources, basically any data about a company or person that can be found through Internet tools or OSINT frameworks, such as search engines.

Contents

```
What Is Open Source <a href="https://medium.com/codex/what-is-open-source-">https://medium.com/codex/what-is-open-source-</a>
Intelligence? (

Open Source

ArticleIntelligence (OSINT) 101

(

https://medium.datadriveninvestor.com/open-source-intelligence-osint-101-d96f47ff2ff1

(
```

WebSiteOSINT (https://osintframework.com/)

WebSitehaveibeenpwned (https://haveibeenpwned.com/)

WebSitecheckusername (https://checkusernames.com/)

```
OSINT <a href="https://medium.com/transparent-data-eng/osint-what-is-it-and-">https://medium.com/transparent-data-eng/osint-what-is-it-and-</a>
ArticleWhat is what-does-it-have-to-do-with-open-sources-of-information-
                                                                                           )
       it (
                 ec35daeea1c0
                             https://www.youtube.com/watch?
       Ntrepid: What is
YouTube
                                                                                           )
       OSINT? (
                             v=ZUZG1zaaKY4&ab_channel=Ntrepid
XEye: Maltego - The Automated
                                               https://www.youtube.com/watch?
                                                                                           )
        OSINT Tool for Ethical Hackers (
                                               v=a2ZvpwF3u-M&ab_channel=XEye
```

Security Operations Center:

SOC (Security Operations Center) is the department that comes to plan and support the entire I.T. security strategy, monitoring, preventing, and remedying breaches, failures, and possible attacks, all in a proactive way.

```
https://medium.com/predict/security-operations-
       SECURITY OPERATIONS
Article
       CENTER — SOC (
                                      center-soc-e5f47e277a35
       What is the
                         https://medium.com/@BurakDamoglu/introduction-to-
Article
       Blue Team? (
                        security-operations-center-73e2e50f3ba7
       Security Operations <a href="https://medium.com/fnplus/security-operations-center-">https://medium.com/fnplus/security-operations-center-</a>
Article
       Center (
                                93e67268180a
joe blaney: What is a Security operations <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
                                                    v=3S01vLlvubE
       centre SOC (
                 https://medium.com/anton-on-security/new-paper-future-of-the-
ArticleOf The
                 <u>soc-process-consistency-and-creativity-a-delicate-balance-paper-</u>
       SOC (
                 3-of-f73fe653c04d
       BitLyft: How to Build an Effective
                                              https://www.youtube.com/watch?
                                                                                            )
       Security Operations Center (
                                              v=wtNewkBYVvQ&ab_channel=BitLyft
                                               https://www.youtube.com/watch?
       Fujitsu: Inside the Security
YouTube
                                                                                            )
       Operations Centre (
                                               v=6LwyTWPKDnQ
       Telstra Enterprise: Security Operations <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                            )
       Centre (
                                                 v=zadlfhl0XQc
```

Penetration Testing - Fundamentals:

Pentest (Penetration Testing) is the practice of testing a computer system, network, or Web application to find vulnerabilities that an attacker might exploit, simulating an attack against an organization's IT assets.

Contents

```
https://medium.com/edureka/what-is-penetration-
      What is Penetration
       Testing? (
                            testing-f91668e2291a
From Zero to your first Article_
                               https://medium.com/hootsuite-
                               engineering/penetration-testing-d887d081c5c5
Quick Guide to Web
                             https://corneacristian.medium.com/quick-guide-to-
      Penetration Testing (
                             web-penetration-testing-546c6196c909
      Pentesting
                        https://infosecwriteups.com/pentesting-fundamentals-
Article 
      Fundamentals (
                        tryhackme-717f51d6126b
      Loi Liang Yang: Simple
                                      https://www.youtube.com/watch?
YouTubePenetration Testing Tutorial for
                                      v=B7tTQ272OHE&ab_channel=LoiLiangYang
      Beginners (
      freeCodeCamp.org: Full Ethical Hacking
                                                https://www.youtube.com/watch?
YouTubeCourse - Network Penetration Testing for
                                                v=H1auWPjioeU
      Beginners (
      LiveOverflow: Pentesting
                                https://www.youtube.com/watch?
                                                                               )
                                v=sXThugPk_zA&ab_channel=LiveOverflow
      vs. Bug Bounty (
```

Level 2

Endpoint security:

Endpoint security, or endpoint protection, is the cybersecurity approach to defending endpoints such as desktops, laptops, and mobile devices against malicious activity.

```
Endpoint <a href="https://medium.com/starting-up-security/endpoint-security-">https://medium.com/starting-up-security/endpoint-security-</a>
Security: I ( <a href="mailto:intuition-around-the-mudge-disclosures-dfbe014790f2">intuition-around-the-mudge-disclosures-dfbe014790f2</a>

Introduction to FireEye <a href="mailto:https://medium.com/@knoldus/introduction-to-">https://medium.com/@knoldus/introduction-to-</a>
Endpoint Security ( <a href="mailto:fireeye-endpoint-security-3534c9bf60fe">fireeye-endpoint-security-3534c9bf60fe</a>

)
```

```
EPP vs EDR vs XDR:
                                   https://altexsoft.medium.com/epp-vs-edr-vs-xdr-
ArticleEndpoint Security
                                   endpoint-security-comparison-57409987f65e
       Comparison (
       Endpoint Security -
                                 https://anandadip.medium.com/endpoint-security-
Article
       Antivirus, EPP & EDR (
                                 antivirus-epp-edr-99496597b892
       What is Endpoint
                                https://www.crowdstrike.com/cybersecurity-
ArticleDetection and Response 101/endpoint-security/endpoint-detection-and-
                                                                                      )
       (EDR) (
                                response-edr/
                    https://www.crowdstrike.com/cybersecurity-101/endpoint-
       EDR vs.
Article
                                                                                      )
       NGAV (
                    security/edr-vs-ngav/
       Introduction to Advanced <a href="https://www.crowdstrike.com/cybersecurity-">https://www.crowdstrike.com/cybersecurity-</a>
ArticleEndpoint Protection (AEP) 101/endpoint-security/advanced-endpoint-
                                                                                      )
                                  protection-aep/
                        https://www.crowdstrike.com/cybersecurity-101/endpoint-
       Endpoint
Article
                                                                                      )
       Security (
                        security/
       Heimdal: Endpoint Security -
                                            https://www.youtube.com/watch?
YouTubeDefinition, Benefits, and Key
                                            <u>v=2CVP9-</u>
                                                                                      )
       Components (
                                            Qslcw&ab_channel=Heimdal%C2%AE
```

Metasploit - Attack and Analysis:

Metasploit is the world's most widely used penetration testing framework.

Contents

WebSiteMetasploit (https://www.metasploit.com/)

```
https://medium.com/cyberdefendersprogram/kali-
       Kali Linux & Metasploit:
ArticleGetting Started with Pen <u>linux-metasploit-getting-started-with-pen-testing-</u>)
                                89d28944097b
       Testing (
      How to Create a Nearly
                                        https://www.wikihow.com/Create-a-Nearly-
ArticleUndetectable Backdoor using
                                        <u>Undetectable-Backdoor-using-MSFvenom-</u>)
       MSFvenom in Kali Linux (
                                        in-Kali-Linux
      Hack Windows 10
                            https://medium.com/@leandro.almeida/hack-windows-
Article
                                                                                  )
                            10-with-metasploit-329c283db99a
       with Metasploit (
       HackerSploit: Metasploit For
                                          https://www.youtube.com/watch?
YouTube
                                                                                   )
       Beginners 1 (
                                          v=8IR27r8Y_ik
```

```
HackerSploit: Metasploit For <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
y=6SNHuWaLuhU

HackerSploit: Metasploit For YouTube
Beginners 3 (

https://www.youtube.com/watch?
y=CYB6Uta9VTI

https://www.youtube.com/watch?
y=CYB6Uta9VTI
```

Web application - Security:

Web application security (also known as Web AppSec) is the idea of designing websites to function as expected, even when under attack. The concept involves a collection of security controls designed into a web application to protect its assets from potentially malicious agents.

Contents

```
How to Secure Web Apps — <a href="https://medium.com/quick-code/how-to-secure-">https://medium.com/quick-code/how-to-secure-</a>
                                             web-apps-a-web-app-security-checklist-
Article A Web App Security
                                                                                                             )
         Checklist (
                                             bb27cf049d1d
         Web Application
                                      https://mtrdesign.medium.com/web-application-
Article
                                                                                                             )
         Security Basics (
                                       security-basics-9b7553f51e8a
         Web Application <a href="https://pub.towardsai.net/web-application-security-top-11-">https://pub.towardsai.net/web-application-security-top-11-</a>
Article
                              best-practices-for-2020-c3a485e40de8
         Security (
         Web Application Security <a href="https://javascript.plainenglish.io/web-application-">https://javascript.plainenglish.io/web-application-</a>
Article
                                                                                                             )
         Best Practices (
                                         security-best-practices-881e3cfde2a1
         House Of Secure Network: Web Application <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
         Security - Best Practices (
                                                                  v=RedZvpyRd38
         freeCodeCamp.org: Web application
                                                                  https://www.youtube.com/watch?
YouTubesecurity - 10 things developers need to
                                                                  v=3EdFeJ0_mB0
         know (
YouTubeFireship: 7 Security Risks (<a href="https://www.youtube.com/watch?v=4YOpILi9Oxs">https://www.youtube.com/watch?v=4YOpILi9Oxs</a>)
         Crashtest Security: SAST, DAST, IAST, <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                             )
         RASP Explained (
                                                             v=5cOkNbH_jPU
```

Web application - Vulnerability:

Web application vulnerabilities involve a system flaw or weakness in a web-based application. They have existed for years, largely due to failure to validate or clean form entries, misconfigured web servers, and application design flaws, and can be exploited to compromise the security of the application. These vulnerabilities are not

the same as other common types of vulnerabilities, such as network or asset. They arise because web applications need to interact with multiple users on multiple networks, and this level of accessibility is easily exploited by hackers.

Contents

```
WebSiteOWASP Top Ten (https://owasp.org/www-project-top-ten/)
                            https://medium.com/nerd-for-tech/devsecops-basics-
      Web Application
Article
      Security Basics 101 (
                            where-to-start-aa7babee4ac4
                                  https://medium.com/swlh/web-application-
      Web Application Security:
ArticleFrom Vulnerabilities to
                                  security-from-vulnerabilities-to-monitoring-
                                                                               )
      Monitoring (
                                  7a3c2dfbfa23
      How to Install DVWA Into
Article Your Linux Distribution (
                              install-dvwa-into-your-linux-distribution-
                                                                               )
                              d76dc3b80357
SQL Injection Attack in DVWA
                                    https://audreybetsy.medium.com/sql-
      with Low Security Level (
                                    injection-attack-in-dvwa-f6adc95f239b
      StackZero: Hack File Inclusion in
                                        https://stackzero.net/hack-file-inclusion-
Article
      DVWA: A Full Walkthrough (
                                        in-dvwa-a-full-walkthrough/
      StackZero: How to Brute Force DVWA
                                              https://stackzero.net/brute-force-
Article
      login with Python (
                                              dvwa-python/
      Cloud Security Training & Consulting:
                                                https://www.youtube.com/watch?
YouTubeOWASP 2021 Top 10 Web Application
                                                v=NATCMnghei0
      Vulnerabilities (
      CryptoCat: Damn Vulnerable
                                  https://www.youtube.com/playlist?
YouTubeWeb Application (DVWA)
                                  list=PLHUKi1UIEqOJLPSFZaFKMoexpM6qhOb4Q'
       (Playlist) (
```

Mobile Device Management:

Mobile device management refers to any tool or software designed to help administrators control and secure mobile devices such as smartphones and tablets in an organization. Mobile device management is an important part of enterprise mobility management and endpoint management, especially as more companies adopt BYOD (bring your own device) policies that allow employees to access company data, files, and applications on their personal devices.

```
What is Mobile Device <a href="https://hexnode.medium.com/what-is-mobile-device-">https://hexnode.medium.com/what-is-mobile-device-</a>
Article
                                management-mdm-3fd7fb4755b6
       Management (
       Mobile Device
                            https://medium.com/codex/mobile-device-management-
ArticleManagement
                            guide-2022-aosp-for-custom-mdm-6b9758aee4a8
       Guide (
       How To
                        https://dennisturpitka.medium.com/how-to-address-privacy-
       Address
Article
                        concerns-when-building-a-mobile-device-management-
                                                                                          )
       Privacy
                        solution-9bda148234df
       Concerns (
       Top 5 mobile
                           https://hexnode.medium.com/top-5-apple-mobile-device-
Articledevice
                           management-platforms-for-2020-e6d626e68da5
       management (
       MTG, Inc.: What is MDM (Mobile <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
       Device Management)? (
                                          v=ug5KUH_jdA4&ab_channel=MTG%2CInc
       Nutto 1981: Managing Microsoft 365 <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
       Mobility and Security MS 101 Day1 ( v=2WTuDAwLTxA&ab_channel=Nutto1981
       Harry Lowton: What Is Microsoft
                                             https://www.youtube.com/watch?
YouTube
                                                                                          )
       Intune? (
                                             v=ildHLspps7M
```

SIEM e SOAR:

Security Information and Event management (SIEM) is software that aggregates and analyzes information from several different sources across the entire infrastructure.

Security Orchestration, Automation, and Response (SOAR) will help you with threat and vulnerability management, security incident response, and security operation automation.

```
Introduction to SIEM <a href="https://medium.com/@roddytech/introduction-to-siem-and SOAR">https://medium.com/@roddytech/introduction-to-siem-and SOAR</a> (and-soar-f7c855df9f3d)

WebSiteIBM: What is SIEM? (<a href="https://www.ibm.com/topics/siem">https://www.ibm.com/topics/siem</a>)

Article

How to implement OSSIM <a href="https://hamzamhirsi.medium.com/how-to-amplement-ossim-siem-solution-e94e9f937f8">https://hamzamhirsi.medium.com/how-to-amplement-ossim-siem-solution-e94e9f937f8</a>

Top Free Security

Information and Event

Article

Article

Information and Event

Information and Event
```

```
Management(SIEM) siem-softwares-20c6d8f32a6f
Software's (

WebSiteWhat is the ELK Stack? (https://www.elastic.co/what-is/elk-stack)

YouTube BlackPerl: SOC Open Source https://www.youtube.com/watch?
( v=t6PqjLIVgdA )

YouTube SIEM: Wazuh ( v=Hq58_yGJwHk&ab_channel=HackerSploit )
```

Server Hardening:

A proteção do servidor é um conjunto de disciplinas e técnicas que melhoram a segurança de um servidor 'em produção'. Hardening é um requisito de estruturas de segurança em diversos frameworks.

```
Introduction to Server <a href="https://medium.com/@gabu_b/introduction-to-server-">https://medium.com/@gabu_b/introduction-to-server-</a>
Article
                                   hardening-cf6435d0accd
        Hardening (
        GeeksForGeeks: What is System <a href="https://www.geeksforgeeks.org/what-is-">https://www.geeksforgeeks.org/what-is-</a>
WebSite
                                                system-hardening/
        Hardening? (
                               https://medium.com/@thefoursec/linux-server-hardening-
        Linux Server
Article
        Hardening (
                               e659db8ec689
        5 Steps to
                               https://saeedrz.medium.com/5-steps-to-hardening-your-
Article
        (Secure) Hardening (server-centos-7-25e1851c8204
        Linux Hardening
                                https://madaidans-insecurities.github.io/guides/linux-
Article
        Guide (
                                hardening.html
Server Architecture
Article
                                    https://medium.com/@jbrendan86/server-
                                                                                                   )
        Security (Windows) (
                                     architecture-security-windows-2da580d58e62
        Linode: Hardening Access to Your <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                   )
        Server (
                                                  v=eeaFoZISq6I
        Christian Lempa: How to protect Linux <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        from Hackers (
                                                       v=Bx_HkLVBz9M
        INEtraining: Linux Security & Server <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                   )
        Hardening - Linux PAM (
                                                         v=N4DP68TK0AQ
        IT Ops Talk: How to Harden <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
                                                                                                   )
        Windows Server (
                                      v=HG_z_Q7LMIM&ab_channel=ITOpsTalk
```

Cloud forensics:

Investigating data stored in the cloud can be a variety of approaches, from open source intelligence investigations (OSINT) to investigations of cloud accounts of participating individuals who disclose their login credentials (more often from victims and witnesses than suspects), to obtaining and analyzing collateral returns from cloud service providers to gain access to suspects' accounts.

Contents

```
https://medium.com/@cloud_tips/cloud-forensics-
       Cloud Forensics
Article
                                                                                      )
       Tools (
                            788f0c8fe69c
                      https://kumarshivam-66534.medium.com/cloud-forensics-
Article
       forensics (
                      be18e14230de
       Digital Forensic
                                 https://medium.com/@frosky/digital-forensic-
ArticleChallenges In Cloud
                                 challenges-in-cloud-computing-part-1-
                                                                                       )
       Computing (
                                 c06301cbe174
       Overview of Cloud
                             https://medium.com/sigma-xi-vit/overview-of-cloud-
Article
       Forensics (
                             forensics-b928537791e6
       How to Think about <a href="https://medium.com/anton-on-security/how-to-think-">https://medium.com/anton-on-security/how-to-think-</a>
Article
                            about-threat-detection-in-the-cloud-1baff902afe5
       Threat Detection (
       Forensic Focus: Forensics In The Cloud -
                                                    https://www.youtube.com/watch?
YouTubeHow To Conduct An Office 365 Investigation
                                                    v=wFjFjemaxml
       SANS Digital Forensics and Incident
                                                    https://www.youtube.com/watch?
YouTubeResponse: Cloud Forensics & Incident
                                                    v=XoeuAVJwkQ8
       Response Course (
```

Data Recovery:

Data recovery is a software-driven process that allows you to recover and restore lost, deleted, inaccessible, corrupted, or damaged files so that you can get back to work quickly. As the business landscape, and our lives in general, become more dependent on data, the need to protect data systems is growing.

```
Data Recovery <a href="https://medium.com/@rohitpatil97/data-recovery-">https://medium.com/@rohitpatil97/data-recovery-</a>
Article
( c9818f19441d
```

```
https://medium.com/@danielmop/survey-research-paper-
        Data Loss
Article
                         data-loss-restoration-4fae9fa38685
        Restoration (
        Data Recovery <a href="https://medium.com/@joanna.riley/data-recovery-and-ai-what-">https://medium.com/@joanna.riley/data-recovery-and-ai-what-</a>
Article
        and AI (
                         you-need-to-know-75a44c79385d
        Upcoming Future Of Data <a href="https://kunalranjane.medium.com/upcoming-future-">https://kunalranjane.medium.com/upcoming-future-</a>
Article
                                     of-data-backup-recovery-509d7fc1690f
        Backup & Recovery (
        How to
                        https://medium.com/android-news/how-to-recover-deleted-
ArticleRecover
                        files-from-hard-drive-a-step-by-step-recovery-solution-
                                                                                                )
        Deleted Files ( 14355745239a
        Techquickie: Data Recovery As Fast <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                )
        As Possible (
                                                  v=PWuWOSOCGxE
        Techquickie: Data Recovery
                                               https://www.youtube.com/watch?
YouTube
        Services (
                                               v=v0QkafsInrM
        IBM Technology: Disaster Recovery
                                                   https://www.youtube.com/watch?
YouTube
                                                                                                )
        vs. Backup (
                                                   v=07EHsPuKXc0
```

Container Security:

Container security is the process of combining security policies to ensure that the integrity of the container is protected. Container security is important because the container image contains all the components that will eventually run your application. If there are vulnerabilities lurking in the container image, the risk and potential severity of security problems during production increases.

```
Container
                       https://medium.com/xenonstack-security/container-security-
ArticleSecurity
                       solutions-framework-mechanism-and-strategy-24de3891a12b
       Solutions (
                             https://medium.com/oreillymedia/container-security-
       Container Security
Article
                                                                                       )
       Threats (
                             threats-38649261fb4f
                              https://towardsdatascience.com/top-20-docker-
       Top 20 Docker
Article
       Security Tips (
                              security-tips-81c41dd06f57
       Container
                      https://blog.pentesteracademy.com/learning-path-container-
Article
       Security (
                      security-9a9c47760250
       IBM Technology: Container Security <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                       )
       Explained (
                                              v=b_euX_M82ul
```

```
The Linux Foundation: Container
                                           https://www.youtube.com/watch?
YouTube
                                                                                 )
       Security 101 (
                                           v=PDDiOI7ckzQ
      HackerSploit: Docker Security
                                          https://www.youtube.com/watch?
YouTube
       Essentials (
                                          v=KINjl1tlo2w
      HackerSploit: Auditing Docker
                                       https://www.youtube.com/watch?
YouTube
                                                                                 )
       Security (
                                       v=mQkVB6KMHCq
```

Memory forensics:

Memory forensics (sometimes called memory analysis) refers to the analysis of volatile data in a computer's memory dump. Information security professionals perform memory forensics to investigate and identify attacks or malicious behavior that do not leave easily detectable traces on the hard drive data.

```
https://infosecwriteups.com/memory-analysis-for-
Memory Analysis
                        beginners-with-volatility-coreflood-trojan-part-1-
                                                                                     )
       For Beginners (
                        89981433eeb6
First steps to volatile
                               https://medium.com/@zemelusa/first-steps-to-
       memory analysis (
                               volatile-memory-analysis-dcbd4d2d56a1
Analyzing Memory
                               https://blog.pentesteracademy.com/analyzing-
                                                                                     )
       Dump with Volatility (
                               memory-dump-with-volatility-302f30917713
       Memory Analysis For <a href="https://infosecwriteups.com/memory-analysis-for-">https://infosecwriteups.com/memory-analysis-for-</a>
ArticleBeginners With
                              beginners-with-volatility-coreflood-trojan-part-2-
                                                                                     )
       Volatility (
                              42bdb46683f2
       13Cubed: Introduction to Memory
                                            https://www.youtube.com/watch?
YouTube
                                                                                     )
                                            v=1PAGcPJFwbE
       Forensics (
       DFIRScience: Introduction to
                                         https://www.youtube.com/watch?
YouTubeMemory Forensics with Volatility 3
                                         v=<u>Uk3DEgY5Ue8&ab_channel=DFIRScience</u>
       SANS Digital Forensics and Incident
                                                   https://www.youtube.com/watch?
YouTubeResponse: Using Memory Analysis for Faster
                                                   v=QzPk1oyzMzc
       Response to User Investigations (
       13Cubed: Introduction to Windows
                                           https://www.youtube.com/watch?
YouTube
       Forensics (
                                           v=VYROU-ZwZX8
```

Network forensics:

Network forensics refers to the collection, monitoring, and analysis of network activities to discover the source of attacks, viruses, intrusions, or security breaches that occur on a network or in network traffic. As such, network forensics is considered along with mobile forensics or digital image forensics as residing under the umbrella of digital forensics.

Contents

```
https://medium.com/@wenhaowu92/network-analysis-travel-
       Network
Article .
                                                                                       )
                   time-and-accessibility-5848b4ae5f65
       Analysis (
       What is Network
                               https://towardsdatascience.com/network-analysis-
Article
       Analysis? (
                               d734cd7270f8
       Using Wireshark to show
                                    https://bernardosr1.medium.com/using-
Articleyou, how unsecure a public <u>wireshark-to-show-you-how-unsecure-a-public-</u>)
       network can be (
                                    network-can-be-f93e373767a8
Analyzing a bot-infected <a href="https://medium.com/geekculture/analyzing-a-bot-Article">https://medium.com/geekculture/analyzing-a-bot-Article</a>
                                                                                       )
       host with Wireshark (
                                 infected-host-with-wireshark-c707068fffa2
       Semi Yulianto: Digital Forensics -
                                                   https://www.youtube.com/watch?
YouTube
       Analyzing Network Traffic (
                                                   v=jPQCHZIN88g
       FreeEduHub: Network
                                       https://www.youtube.com/watch?
YouTube
                                                                                       )
       Forensics (
                                        v=VklrX2lfCNk
       edureka!: Cybersecurity & Digital
                                               https://www.youtube.com/watch?
YouTube
       Forensics Tutorial (
                                               v=cg1p3SRZHNY
       Netsec Explained: Advanced
                                              https://www.youtube.com/watch?
YouTube
                                                                                       )
                                              v=e_dsGhvq9CU
       Wireshark Network (
```

PowerShell scripting for security:

A hidden script can be malicious and difficult to detect with visual inspection during the script approval process. Visually review PowerShell scripts and use inspection tools to help detect suspicious script issues. These tools cannot always determine the intent of the PowerShell author, so they may draw attention to a suspicious script.

| Using PowerShell for | https://medium.com/@jeffreypinkstaff/using- | |
|--------------------------|---|---|
| ArticlePassword Security | powershell-for-password-security-checks- |) |

```
Checks (
                                    3e229c39303
        PowerShell — Testing your <a href="https://medium.com/@smurf3r5/powershell-">https://medium.com/@smurf3r5/powershell-</a>
Articleworkstation security
                                      testing-your-workstation-security-posture-
                                                                                              )
       posture (
                                      add06d4061eb
                                    https://0xneel.medium.com/malicious-powershell-
        Malicious PowerShell
Article
                                    usage-detection-f0ce9b6cca81
        Usage Detection (
        Encrypt & Decrypt Data <a href="https://medium.com/@sumindaniro/encrypt-decrypt-">https://medium.com/@sumindaniro/encrypt-decrypt-</a>
Article
        with PowerShell (
                                   data-with-powershell-4a1316a0834b
        Run PowerShell
                              https://bank-security.medium.com/how-to-running-
Articlewithout
                              powershell-commands-without-powershell-exe-
                                                                                              )
        Powershell.exe (
                              a6a19595f628
       QuickStart: Using PowerShell for Cyberhttps://www.youtube.com/watch?
YouTube
        Security (
                                                   v=K9zVwijJ4nk
       Michael Ferrie: Scripting for Security 1 -
                                                         https://www.youtube.com/watch?
        Introduction to PowerShell (
                                                         v=XQIVi_OJ2ZA
SecurityFWD: Beginner's Guide to Building <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
        AD Security Tools with PowerShell (
                                                         v=Kk7nJe1T-ik
```

Level 3

Network Security Architecture:

Network security prepares you for tasks such as protecting company data from theft, damage, disruption, and more. A network security professional will design and implement a secure architecture for network devices, as well as provide security support and ensure their integrity.

```
Network Architecture and
                                       https://nirasha.medium.com/network-
ArticleHow to Design a Secure
                                       architecture-and-how-to-design-a-secure-
                                                                                             )
       Network (
                                       network-669848bff76c
       Cybersecurity
                              https://medium.com/cloud-security/cybersecurity-
Article
                                                                                              )
       Architecture (
                              architecture-66714e39bd91
       Security Architecture is <a href="https://medium.com/cloud-security/security-">https://medium.com/cloud-security/security-</a>
Article
                                                                                              )
       Not A Checklist (
                                  architecture-is-not-a-checklist-b86f1dc0aa0c
```

```
https://hamzamhirsi.medium.com/ccna-security-part-1-networking-
        CCNA
Article
        security ( security-concepts-aeaab60b506e
        edureka!: Network Security
                                             https://www.youtube.com/watch?
YouTube
                                                                                                )
        Tutorial (
                                             v=6Jubl1UnJTE
        Snap One: Networking Design <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                )
                                         v=sckuGYiHYRA
        SANS Institute: Introduction to <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        Security Architecture (
                                     v=LREcVbHiqTo&ab_channel=SANSInstitute
```

Threat Hunting:

Threat hunting is the practice of proactively looking for cyber threats that are lurking undetected in a network. Cyber threat hunting digs deep to find malicious actors in your environment that have made it past the initial endpoint security defenses.

Contents

```
Threat Hunting: The <a href="https://kostas-ts.medium.com/threat-hunting-series-the-">https://kostas-ts.medium.com/threat-hunting-series-the-</a>)
Article
        Basics (
                              basics-cccadac830c6
                            https://kostas-ts.medium.com/threat-hunting-series-the-
       The Threat
Article
        Hunting Process ( threat-hunting-process-f76583f2475b
       What Makes a Good https://kostas-ts.medium.com/threat-hunting-series-
Article
        Threat Hunter (
                              what-makes-a-good-threat-hunter-e2b1d0d07e8c
Threat Hunting
Article
                           https://medium.com/@joshuaspeshock/threat-hunting-
        Guide (
                           quide-5cd1444d8d95
        The PC Security Channel:
                                     https://www.youtube.com/watch?
YouTubeThreat Hunting Tutorial -
                                     v=qrZsc5lkchl&ab_channel=ThePCSecurityChannel
       Introduction (
        SANS EMEA: Effective (Threat) <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
       Hunting Techniques (
                                          v=JmKSnRMW_6w&ab_channel=SANSEMEA
        SANS Institute: Hunting for Post-Exploitation <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
        Stage Attacks with Elastic Stack (
                                                         v=PdCQChYrxXq
```

Physical security:

Physical security is the protection of people, property, and physical assets from actions and events that could cause harm or loss. Although often overlooked in favor of cyber security, physical security is equally important.

Contents

```
What Is Physical <a href="https://www.sine.co/blog/what-is-physical-security-">https://www.sine.co/blog/what-is-physical-security-</a>
Article
                                                                                                     )
        Security (
                              understanding-workplace-safety/
        Cyber Security and <a href="https://rchen8.medium.com/cyber-security-and-">https://rchen8.medium.com/cyber-security-and-</a>
                                                                                                     )
        Physical Security ( <u>physical-security-are-very-different-22e31a933907</u>
        What is a Physical
                                      https://jay-pang.medium.com/what-is-a-physical-
Article
                                                                                                     )
        Security Architect? (
                                      security-architect-2e8bd8b4b130
        Tom Olzak: Physical Security Part 1 - Intro <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
        and Site Barriers (
                                                          v=j9MQMVn3FV4
        Tom Olzak: Physical Security Part 2 -
                                                           https://www.youtube.com/watch?
YouTube
        Walls, Doors, and Locks (
                                                           v=EAeVUDMDSn4
        Tom Olzak: Physical Security Part 3 - Lights, <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        Sensors, and Alarms (
                                                             v=tyFkj5UrPJQ
        Tom Olzak: Physical Security Part 4 -
                                                            https://www.youtube.com/watch?
YouTube
        Environmental Controls (
                                                            v=o_ENagQ60nY
```

Incident Response Management:

Incident response is a structured process that organizations use to identify and handle cyber security incidents. The response includes several stages, including incident preparation, detection and analysis of a security incident, containment, eradication and full recovery, and post-incident analysis and learning.

```
Incident
Article
                             https://hugooodias.medium.com/incident-management-
        Management (
                             8defb3812352
An Incident Response <a href="https://medium.com/starting-up-security/an-incident-article">https://medium.com/starting-up-security/an-incident-article</a>
        Plan for Startups (
                                 response-plan-for-startups-26549596b914
Incident Response
Article
                                https://fergusmacdermot.medium.com/incident-
        Management (
                                management-methods-cb9274c264fe
        Cybersecurity
                           https://strategicoutlook.medium.com/why-organizations-
Articleincident
                           <u>need-to-have-a-formal-cyber-security-incident-response-</u>
        response plan ( plan-2c13f2e4082
        Ascend Technologies: The Six Phases of <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
                                                       v=X4IPEpATNxq
        Incident Response (
```

```
Skillset: Incident Response <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
Plan (

WissenX Akademie: Incident Response <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
Process, Lifecycle & Methodology (

Y=Sr8tfoZJa3M
```

Malware analysis:

Malware analysis is the process of understanding the behavior and purpose of a suspicious file or URL. The output of the analysis helps in the detection and mitigation of the potential threat.

Contents

```
https://medium.com/techiepedia/malware-
       Malware Analysis- The art
                                   analysis-the-art-of-understanding-malware-
                                                                                     )
       of understanding malware (
                                   ffc5e69feb3e
Malware Analysis 101 -
                                  https://infosecwriteups.com/malware-analysis-101-
       Basic Static Analysis (
                                  basic-static-analysis-db59119bc00a
Malware Analysis — Tools <a href="https://nasbench.medium.com/malware-analysis-Article">https://nasbench.medium.com/malware-analysis-Article</a>
       And Resources (
                                 tools-and-resources-16eb17666886
                               https://infosecwriteups.com/malware-analysis-101-
       Malware Analysis 101 -
Article 
       Sandboxing (
                                sandboxing-746a06432334
Malware Analysis:
                                https://medium.com/@ammadb/malware-analysis-
       Introduction to YARA (
                                introduction-to-yara-e11b89e02ba6
       HuskyHacks: AMO - Malware
                                          https://www.youtube.com/watch?
YouTubeAnalysis In 5+ Hours - Full Course
                                          v=qA0YcYMRWyl&ab_channel=HuskyHacks
                                         https://www.youtube.com/playlist?
       OpenSecurityTraining2: Reverse
YouTube
                                         <u>list=PLUFkSN0XLZ-</u>
                                                                                     )
       Engineering Malware (Playlist) (
                                         kwukmQOAgCZ08C5REoZEIt
       CryptoCat: Intro to Binary
                                    https://www.youtube.com/playlist?
YouTube
                                                                                     )
       Exploitation (Playlist) (
                                    list=PLHUKi1UIEqOlc07Rfk2Jqb5fZbxDPec94
```

Software Application Security:

Application security describes the application-level security measures that aim to prevent data or code within the application from being stolen or hacked. It covers security considerations that occur during application development and design, but

also involves systems and approaches to securing applications after they are deployed.

Contents

```
Application security <a href="https://medium.com/@SW_Integrity/application-security-">https://medium.com/@SW_Integrity/application-security-</a>
Articlevs. software security vs-software-security-whats-the-difference-
                                 3d345413927c
A Comprehensive Guide To
                                             https://medium.com/edureka/application-
        Application Security (
                                             security-tutorial-e6a0dda25f5c
Application Security <a href="https://medium.com/@cloud_tips/application-security-">https://medium.com/@cloud_tips/application-security-</a>
        Best Practices (
                                   best-practices-c63b79f29a99
        Importance of https://medium.com/nerd-for-tech/importance-of-software-
                         security-application-security-non-technical-hacking-
ArticleSoftware
                                                                                                    )
        Security (
                         encryption-and-365c93def04e
Application Security 101 - What you <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
        need to know in 8 minutes (
                                                  v=Dp019cWu1cq&t=1s&ab_channel=Snyk
        edureka!: Application Security <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                                    )
                                            v=qfFKuiZ9Y7s
        GOTO Conferences: Secure by Design – the
                                                            https://www.youtube.com/watch?
YouTubeArchitect's Guide to Security Design
                                                            v=4qN3JBGd1q8
        Principles (
        Cybr: Introduction to Application <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
                                                                                                    )
        Security - Course (
                                               v=3QOlo2pEpvc&ab_channel=Cybr
```

Zero Trust architecture:

Zero Trust is a network security model based on the philosophy that no person or device inside or outside an organization's network should be given access to connect to IT systems or services until they are authenticated and continuously verified.

```
NIST - Zero

Trust <a href="https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-Article">https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-Article</a>
Architecture <a href="https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-Article">https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-Article</a>
Architecture <a href="https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-">https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-</a>
(
```

```
https://medium.com/databulls/what-does-zero-
       What does Zero Trust
Article
                                                                                            )
        Architecture stand for? (
                                    trust-architecture-stand-for-3facb50226b4
       Zero Trust
                      https://medium.com/geekculture/to-the-letter-zero-trust-
ArticleArchitecture
                                                                                             )
                      architecture-zta-according-to-nist-800-207-1-3cf2b23d383b
       What Is Zero Trust <a href="https://medium.com/magalix/what-is-zero-trust-">https://medium.com/magalix/what-is-zero-trust-</a>
Article
                                                                                             )
                            architecture-and-how-does-it-work-23067912335c
       Architecture (
       IBM Technology: Zero Trust <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
       Explained in 4 mins (
                                       v=yn6CPQ9RioA&ab_channel=IBMTechnology
       The CISO Perspective: What is Zero Trust <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        Network Access (
                                                     v=DLQAbJm4gFM
       John Savill's
       Technical
       Training:
                       https://www.youtube.com/watch?
YouTubeUnderstanding
                        v=hhS8VdGnfOU&ab_channel=JohnSavill%27sTechnicalTraining
       and Getting
       Started with
       Zero Trust (
       IBM Technology:
                                       https://www.youtube.com/watch?
YouTubeCybersecurity and Zero
                                       v=FMMWSLlcaME&ab_channel=IBMTechnology
       Trust (
```

Cloud Security:

Cloud security, also known as cloud computing security, is a set of security measures designed to protect cloud-based infrastructure, applications, and data. These measures ensure user and device authentication, control access to data and resources, and protect data privacy. They also support regulatory data compliance.

```
Security in Cloud <a href="https://medium.com/cyversity/security-in-cloud-computing">https://medium.com/cyversity/security-in-cloud-computing-8d77b20e7a2d</a>

What Is Cloud Security <a href="https://blog.cloudboost.io/what-is-cloud-security-Posture Management?">https://blog.cloudboost.io/what-is-cloud-security-Posture Management?</a>

Posture Management? (

Cloud

ArticleApplications

https://medium.com/databulls/new-era-cloud-applications-concept-and-security-4ccfe29db9d7

)
```

```
Concept (
       Security IN the Cloud vs <a href="https://medium.com/nerd-for-tech/security-in-the-">https://medium.com/nerd-for-tech/security-in-the-</a>
        Security OF the Cloud ( cloud-vs-security-of-the-cloud-114dbcf962a9
IBM Technology: What is Cloud
                                               https://www.youtube.com/watch?
                                                                                            )
       Security? (
                                               v=jl8lKpjiCSM
       edureka!: Cloud Security
                                         https://www.youtube.com/watch?
YouTube
                                                                                            )
        Tutorial (
                                         v=0lw4KU5wHsk
       Simplilearn: Cloud Security
                                              https://www.youtube.com/watch?
YouTube
                                                                                            )
       Fundamentals (
                                              v=M_9hRPVH5SA
```

Continuous Security - Automation and Monitoring:

Continuous security monitoring is an approach to security that involves automating a significant part of security management. This includes vulnerability detection, monitoring of cloud configurations, identities and their rights, and data security.

```
https://medium.com/digital-transformation-and-platform-Continuous
                    engineering/devsecops-automation-and-continuous-security-
                                                                                            )
        Security (
                    4b720d0082f0
Continuous Security: A
                                    https://nutanix.medium.com/continuous-security-a-
        Necessity on Cloud (
                                    necessity-on-cloud-848e6ef9cace
        DevOps Tools: Automation, <a href="https://altexsoft.medium.com/devops-tools-">https://altexsoft.medium.com/devops-tools-</a>
ArticleMonitoring, CI/CD, and More automation-monitoring-ci-cd-and-more-
                                                                                             )
                                       ac7c4ca31879
Log Analysis for Digital <a href="https://medium.com/mii-cybersec/log-analysis-for-article">https://medium.com/mii-cybersec/log-analysis-for-article</a>
        Forensic Investigation ( <u>digital-forensic-investigation-e4a00f5a5c09</u>
        SANS Cloud Security: Information Security <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                        v=1V5FyasVMaM
        Continuous Monitoring (
       Cyber Security Entertainment: Information
                                                        https://www.youtube.com/watch?
        Security Continuous Monitoring (ISCM) (
                                                        v=2epVP58kn_Q
        WissenX Akademie: SOAR - Security
                                                        https://www.youtube.com/watch?
YouTube
        Orchestration Automation and Response (
                                                        v=i7H7VYkfUEw
AppSec California: Continuous Cloud
                                                        https://www.youtube.com/watch?
        Security Monitoring (CCSM) (
                                                        v=ePCK8quTP2o
```

Auxiliary Skill: Systems and technologies

Python - Fundamentals:

Python is a high-level, general-purpose programming language that is widely used in web applications, software development, data science, and machine learning. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically typed and garbage-collected.

Knowing the primitive types

Declaring variables, considering the different types

Using conditional structures ('if', 'else')

Knowing the assignment and comparison operators

Using repetition structures and loops ('while', 'for')

Using functions, passing parameters and arguments

Manipulating methods

Manipulating arrays and lists

Getting data from an API

Creating constructors

```
WebSiteDocumentation Python (<a href="https://docs.python.org/3/tutorial/">https://docs.python.org/3/tutorial/</a>)
WebSiteW3Schools: Python Tutorial (<a href="https://www.w3schools.com/python/">https://www.w3schools.com/python/</a>)
        W3Schools: Python
                              https://www.w3schools.com/python/python_variables.asp)
WebSite
        Variables (
        W3Schools: Python
                             https://www.w3schools.com/python/python_datatypes.asp)
WebSite
        Data Types (
        W3Schools: Python
                                 https://www.w3schools.com/python/python_strings.asp)
WebSite
        Strings (
        W3Schools: Python
                             https://www.w3schools.com/python/python_operators.asp)
WebSite
        Operators (
        W3Schools:
WebSite
                             https://www.w3schools.com/python/python_conditions.asp)
        Python If ... Else (
```

```
W3Schools:
WebSitePython While
                         https://www.w3schools.com/python/python_while_loops.asp)
       Loops (
       W3Schools: Python
                            https://www.w3schools.com/python/python_for_loops.asp)
WebSite
       For Loops (
ArticleWhat is Python? (<a href="https://aws.amazon.com/what-is/python/?nc1=h_ls">https://aws.amazon.com/what-is/python/?nc1=h_ls</a>)
       Introduction to Python https://towardsdatascience.com/introduction-to-
Article
       Classes (
                               python-classes-da526ff745df
       Programming with Mosh: Python for
                                                      https://www.youtube.com/watch?
YouTube
       Beginners - Learn Python in 1 Hour (
                                                      v=kqtD5dpn9C8
       freeCodeCamp.org: Learn Python - Full
                                                     https://www.youtube.com/watch?
YouTube
       Course for Beginners (
                                                     v=rfscVS0vtbw
```

Computer Networking - Fundamentals:

A computer network is a mesh that interconnects thousands of computer systems for the transmission of data. Also known as nodes, these interconnected devices send, receive, and exchange data, voice, and video traffic, thanks to the hardware and software that make up the environment.

```
https://medium.com/@anmolify/short-summary-
      Short summary regarding
ArticleISO/OSI Model (Computer
                                  regarding-iso-osi-model-computer-networks-
                                                                                 )
      Networks) (
                                  53b025faafe8
      GeeksForGeeks: Basics of
                                        https://www.geeksforgeeks.org/basics-
WebSite
                                                                                 )
      Computer Networking (
                                        computer-networking/
      Digital Ocean:
      Understanding
      IP Addresses,
                    https://www.digitalocean.com/community/tutorials/understanding-
WebSiteSubnets, and
                    ip-addresses-subnets-and-cidr-notation-for-networking
      CIDR Notation
      for
      Networking (
WebSiteGeeksForGeeks: TCP/IP Model (https://www.geeksforgeeks.org/tcp-ip-model/)
      SimpliLearn: The Best Guide To
                                       https://www.simplilearn.com/tutorials/cyber-
WebSiteUnderstand What Is TCP/IP
                                       security-tutorial/what-is-tcp-ip-model
```

```
Model (
       Fireship: Computer Networking <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                  )
       in 100 Seconds (
                                     v=keeqnciDVOo&ab_channel=Fireship
       freeCodeCamp.org:
                                   https://www.youtube.com/watch?
YouTubeComputer Networking
                                   v=qiQR5rTSshw&ab_channel=freeCodeCamp.orq
       Course (
       My CS: Computer Networking
                                             https://www.youtube.com/watch?
YouTube
       Complete Course - Basic to Advanced (v=0PbTi_Prpgs&ab_channel=MyCS
                                    https://www.youtube.com/watch?
       Vinsloev Academy: Learn
YouTube
       Wireshark in 10 minutes (
                                    v=lb1Dw0elw0Q&ab_channel=VinsloevAcademy
                               https://www.netacad.com/courses/networking/ccna-
      Enterprise Networking,
Course
      Security, and Automation (enterprise-networking-security-automation
Switching, Routing, and
                              https://www.netacad.com/courses/networking/ccna-
      Wireless Essentials (
                               switching-routing-wireless-essentials
                         https://www.netacad.com/courses/networking/ccna-
      Introduction to
Course
      Networks (
                         introduction-networks
```

HTTP - Fundamentals:

HTTP stands for Hyper Text Transfer Protocol. Communication between client computers and web servers is done by sending HTTP Requests and receiving HTTP Responses.

Understanding the difference between HTTP verbs

Testing requests and checking the status codes in the browser

Learning how to make a HTTP request on the command line with WGET

Downloading an image with WGET

Performing a POST

```
Waschools: What is https://www.waschools.com/whatis/whatis_http.asp)
HTTP? (

MDN Web Docs: An overview https://developer.mozilla.org/en-
of HTTP (

US/docs/Web/HTTP/Overview

MDN Web Docs: HTTP request https://developer.mozilla.org/en-
methods (

US/docs/Web/HTTP/Methods
```

```
WebSiteHTTP Cats (https://http.cat/)
WebSiteHTTP Dogs (https://http.dog/)
       HTTP codes as
                                  https://medium.com/@hanilim/http-codes-as-
Article
                                                                                          )
       Valentine's Day comics (valentines-day-comics-8c03c805faa0
       Here Are the most popular <a href="https://medium.com/free-code-camp/here-is-">https://medium.com/free-code-camp/here-is-</a>
Articleways to make an HTTP
                                      the-most-popular-ways-to-make-an-http-
                                                                                          )
       request in JavaScript (
                                      request-in-javascript-954ce8c95aaa
Traversy Media: HTTP Crash Course & <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
                                                 v=iYM2zFP3Zn0
       Exploration (
       Curious Code: HTTP Request Methods -
                                                      https://www.youtube.com/watch?
YouTube
       GET, POST, PUT, DELETE (
                                                      v=tkfVQK6UxDI
       freeCodeCamp.org: Postman Beginner's
                                                     https://www.youtube.com/watch?
YouTube
```

Cloud - Fundamentals:

Course - API Testing (

Cloud, or cloud computing, is the distribution of computing services over the Internet using a pay-as-you-go pricing model. A cloud is composed of various computing resources, ranging from the computers themselves (or instances, in cloud terminology) to networks, storage, databases, and everything around them. In other words, everything that is normally needed to set up the equivalent of a server room, or even a complete data center, will be ready to use, configured, and run.

v=VywxIQ2ZXw4

Knowing the difference between laaS, PaaS and SaaS

Knowing the largest cloud providers

Specializing in a specific provider of your choice

```
Microsoft Azure: What <a href="https://azure.microsoft.com/en-us/resources/cloud-">https://azure.microsoft.com/en-us/resources/cloud-</a>

Is cloud computing? (

Computing-dictionary/what-is-cloud-computing/

Amazon AWS: What is cloud 
Computing? (

Abeginner's guide to the 
Articlebasics of what cloud 
Computing is about (

Anticlebasics of what cloud 
Computing is about (

Anticlebasic is a cloud 
Computing is a cloud 
Computing is a cloud 
Computing is a clo
```

```
Cloud Computing for <a href="https://medium.com/hackernoon/cloud-computing-for-">https://medium.com/hackernoon/cloud-computing-for-</a>
Article
                                 beginners-85d168959afb/
        Beginners (
        What are Cloud Computing https://medium.com/@nnilesh7756/what-are-
ArticleServices [laaS, CaaS, PaaS, cloud-computing-services-iaas-caas-paas-
                                                                                                )
        FaaS, SaaS] (
                                         faas-saas-ac0f6022d36e
        Simplilearn: Cloud Computing Tutorial <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        for Beginners (
                                                     v=RWgW-Cgdlk0
        Amazon Web Services: What is Cloud
                                                          https://www.youtube.com/watch?
YouTube
        Computing? - Amazon Web Services (
                                                          v=mxT233EdY5c
        Ecourse Review: Cloud Computing Services <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        Models - laaS PaaS SaaS Explained (
                                                          v=36zducUX16w/
```

Command Line - Fundamentals:

CLI is a command line program that accepts text input to execute operating system functions.

Knowing the most important commands

```
W3Schools: What is
WebSiteCommand Line Interface
                                     https://www.w3schools.com/whatis/whatis_cli.asp)
       (CLI)? (
       Microsoft Docs: Using command <a href="https://docs.microsoft.com/en-">https://docs.microsoft.com/en-</a>
WebSiteline arguments for Windows
                                           us/windows/terminal/command-line-
                                                                                          )
       Terminal (
                                           arguments?tabs=windows
       Advanced CLI: Commands <a href="https://betterprogramming.pub/advanced-cli-">https://betterprogramming.pub/advanced-cli-</a>
ArticleYou Should Know as a
                                      commands-you-should-know-as-a-developer-
                                                                                          )
       Developer (
                                     7bc48c752a5e
       freeCodeCamp.org: Command Line
                                                  https://www.youtube.com/watch?
YouTube
       Crash Course (
                                                  v=yz7nYlnXLfE
       Traversy Media: Command Line Crash
YouTubeCourse For Beginners - Terminal Commands https://www.youtube.com/watch?
                                                      v=uwAqEzhyjtw
```

Linux - Fundamentals:

Linux is a term popularly used to refer to operating systems that use the Linux Kernel. Distributions include the Linux Kernel as well as system software and libraries.

Knowing the Linux directory system

Compacting and uncompressing files

Editing files in the console with VI

Managing the processes running on the machine

Knowing the environment variables and PATH

Managing packages

Performing remote communication with SSH and SCP

```
Digital Ocean: An
                                   https://www.digitalocean.com/community/tutorials/an-
WebSiteIntroduction to Linux
                                   introduction-to-linux-basics
        Basics (
        Ubuntu: The Linux command
                                            https://ubuntu.com/tutorials/command-line-
WebSite
        line for beginners (
                                            for-beginners#1-overview
        10 Linux Commands Every <a href="https://medium.com/javarevisited/10-essential-">https://medium.com/javarevisited/10-essential-</a>
ArticleDeveloper and DevOps
                                      <u>linux-commands-every-developer-and-devops-</u>
                                                                                                )
        Should Learn (
                                      should-know-9df39391aac7
        Useful Linux Commands — <a href="https://blog.devgenius.io/useful-linux-commands-">https://blog.devgenius.io/useful-linux-commands-</a>
Article
        Files and Packages (
                                       files-and-packages-ccd80da6da2b
        freeCodeCamp.org: Introduction to Linux - <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        Full Course for Beginners (
                                                          v=sWbUDq4S6Y8
        freeCodeCamp.org: The 50 Most Popular
                                                          https://www.youtube.com/watch?
YouTube
        Linux & Terminal Commands (
                                                          v=ZtqBQ68cfJc
      MIT - The Missing Semester of Your CS Education
Course
                                                                https://missing.csail.mit.edu/)
       (inglês) (
```

Auxiliary Skill: Information Security

Risk, threats and vulnerability management:

Risk management is the process of planning, organizing, and controlling resources and people to minimize damage or turn risks into opportunities. Predicting risks is an important practice, after all, this way it is possible to reverse what can go wrong and achieve positive results along the way.

Contents

WebSiteCVSS (https://nvd.nist.gov/vuln-metrics/cvss)

```
What is vulnerability
                                   https://www.ibm.com/topics/vulnerability-
WebSite
                                                                               )
      management? (
                                   management
WebSiteCommon Vulnerability Scoring System (https://www.first.org/cvss/user-guide)
      Microsoft 365: Threat and
                                    https://www.youtube.com/watch?
YouTube
                                                                               )
       Vulnerability Management (
                                     v=Ez1s7nlgUPY&ab_channel=Microsoft365
      Josh Madakor - Tech,
                                   https://www.youtube.com/watch?
YouTubeEducation, Career:
                                   v=IT6Px9zJM3s&ab_channel=JoshMadakor-
                                  Tech%2CEducation%2CCareer
      Vulnerability Management (
      edureka!: Cybersecurity Risk
                                     https://www.youtube.com/watch?
YouTube
                                                                               )
                                     v=X31YZYetCBg&ab_channel=edureka%21
      Management Simplified (
```

Confidentiality, Integrity and Availability:

The 3 fundamental principles of information security. Any good information security management program should be designed to achieve the three information security principles commonly known as CIA (CIA stands for "Confidentiality", "Integrity" and "Availability").

```
Three Pillars of Infosec:
                                      https://www.cybereason.com/blog/three-
                                      pillars-of-infosec-confidentiality-integrity-and-)
ArticleConfidentiality, Integrity and
       Availability (
                                      availability
       Cybersecurity 101 — A Beginner's
                                              https://medium.com/edureka/what-is-
Article
       Guide to Cybersecurity World (
                                              cybersecurity-778feb0da72
       The CIA Triad:
                                   https://medium.com/coinmonks/the-cia-triad-
ArticleConfidentiality, Integrity
                                   confidentiality-integrity-and-availability-
                                                                                      )
```

```
and Availability (

IT Governance Ltd: What is
YouTubeISO 27001? | A Brief Summary
of the Standard (

Cyber Today Academy:
YouTubeWhat is ISO 27002
Standard? (

https://www.youtube.com/watch?
y=x792wXSeAhA&ab_channel=ITGovernanceLtd

https://www.youtube.com/watch?
y=A7oeQYcfJz0&ab_channel=CyberTodayAcademy
```

Identity and access management (IAM):

Identity management, also known as identity and access management (IAM), is among the information security disciplines that enable the right individuals to access the right resources at the right time for the right reasons.

```
https://medium.com/identity-beyond-
      What is Identity and
Article
                              borders/identity-and-access-management-
                                                                                  )
       Access Management (
                              10166c309f11
       Introduction to Identity <a href="https://medium.com/identity-beyond-">https://medium.com/identity-beyond-</a>
Articleand Access
                              borders/introduction-to-identity-and-access-
                                                                                  )
       Management (
                              management-2f3b80862647
                https://bojithapiyathilake.medium.com/identity-and-access-
       What is
Article
                                                                                  )
       IAM? (
                management-components-c501d786db4c
What is IAM as a
                         https://medium.com/hypto/identity-and-access-
                         management-iam-e04d2354a57
       service (
                              https://medium.com/@devops.ent/top-identity-and-
       Open-source Identity
Articleand Access
                              access-management-systems-iam-open-source-
                                                                                  )
       Management System ( enterprise-92cf66560a55
       IBM Technology: Identity &
                                      https://www.youtube.com/watch?
YouTube
       Access Management (IAM) (
                                      v=aNj36g7fSsU&ab_channel=IBMTechnology
                                        https://www.youtube.com/watch?
       VMware End-User Computing:
YouTubeIdentity and Access Management - v=Tcvsefz5DmA&ab_channel=VMwareEnd-)
       Technical Overview (
                                        <u>UserComputing</u>
```

Security Awareness:

As cyber attacks become more prevalent and sophisticated, companies must rely more on their employees to ensure that they do not put data at risk or fall victim to ransomware. But employees are busier than ever. And, creating a culture of cybersecurity at work becomes more important and more challenging when employees work from home.

Contents

```
Why is cyber security
                                    https://threatcop.medium.com/why-is-cyber-
Articleawareness and training for
                                    <u>security-awareness-and-training-for-employees-</u>)
       employees a must? (
                                    is-a-must-74d89645966b
       Your Complete Guide To
                                   https://medium.com/@emma.woods/your-
ArticleEnd-User Security
                                   <u>complete-guide-to-end-user-security-awareness-</u>)
                                   training-b2812023b84a
       Awareness Training (
       There Is No Cyber
                            https://medium.com/seek-blog/there-is-no-cyber-
ArticleSecurity Silver Bullet <u>security-silver-bullet-we-arent-werewolves-</u>
                                                                                      )
                             ec4fc5e1f13c
       Tom Olzak: Security Awareness, <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                                                                      )
       Education, and Training (
                                         v=F6EtbBLQE9Y&ab_channel=TomOlzak
       TreeTop Security: Cybersecurity
                                        https://www.youtube.com/watch?
YouTubeAwareness Training Presentation
                                        v=tlmpSYIhdV0&ab_channel=TreeTopSecurity
       StaySafeOnline.org: Security
                                      https://www.youtube.com/playlist?
YouTubeAwareness Episodes (Playlist)
                                      <u>list=PL7QHbjPSF0r6qJonaROIxVaMLzwDnZyOL</u>
```

Data protection:

Data protection is the process of protecting important information in a way that ensures the confidentiality, integrity, and availability of that data.

```
A quick Introduction <a href="https://medium.com/geekculture/a-quick-introduction-to-gdpr-bc80022673e0">https://medium.com/geekculture/a-quick-introduction-to-gdpr-bc80022673e0</a>

GDPR The Basic Facts —

ArticleGDPR Processing Principles

https://medium.com/geekculture/gdpr-the-basic-facts-qdpr-processing-principles-9774b80a0791
```

```
Best UX practices for
                                   https://medium.com/@AukaPay/best-ux-practices-
Article
                                                                                               )
        GDPR compliance (
                                   for-qdpr-compliance-563b73362095
       Channel 4 News: GDPR <a href="https://www.youtube.com/watch?v=acijNEErf-">https://www.youtube.com/watch?v=acijNEErf-</a>
YouTube
        explained (
                                   c&ab_channel=Channel4News
       Privacy Kitchen: What are the 7<a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
                                           v=NcHSD3fWJiQ&ab_channel=PrivacyKitchen
        principles of GDPR? (
                                                    https://www.youtube.com/watch?
        Digitool: GDPR Compliance Summary -
                                                    v=WPwG-
                                                                                               )
        10 Steps in 10 Minutes to Avoid Fines (
                                                    MNMuBQ&ab_channel=Digitool
       Google Cloud Tech: What is <a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
YouTube
        Data Loss Prevention (DLP)? ( v=OjMnlizubTU&ab_channel=GoogleCloudTech
```

Authentication and password security:

A strong password makes all the difference when it comes to data protection. After all, it is constructed in a way that makes it very difficult for it to be cracked by a hacker or mass attack. A password, you know, is a mechanism that allows a person access to a particular service.

Contents

WebSiteHow Secure is Your Password? (https://www.passwordmonster.com/)

```
Password 101 — How to
                                   https://medium.com/belong-blog/password-101-
                                   how-to-create-a-secure-password-
Articlecreate a more secure
                                                                                    )
       password (
                                   8adfbe888d79
                            https://medium.com/bug-bounty-hunting/password-
       Password Security:
       THM Writeup (
                            security-thm-writeup-cc9088207af3
                            https://medium.com/geekculture/what-is-a-secure-
       What Is a Secure
Article
       Password? (
                            password-97263aeedea9
       Bit Oxygen: Authentication in Computer<a href="https://www.youtube.com/watch?">https://www.youtube.com/watch?</a>
       Security (
                                              v=7oTkgG1v-rU
      Linus Tech Tips: Password Security
                                              https://www.youtube.com/watch?
       Best Practices (
                                              v=t8SQo3R7qeU
```

Alura, PM3 e FIAP O Techguide.sh é um projeto open source