Mind Map

Security Basics

This mind map covers the security fundamentals for the SSCP/ CISSP / CompTIA Security+ exams. All these concepts are extremely important from an exam point of view.

How to use this mind map?

Yellow Circle represents the concept while the White Box next to it represents a short explanation for it. Move from LEFT to RIGHT to study this. This mind map focuses only on the most important concepts of a particular domain.

Note - This is just a learning tool. Studying in detail about all the concepts is highly recommended. Check out more such learning tools for free on www.mayurpahwa.com

1. Confidentiality Unauthorized Unauthorized 2. Integrity 3. Availability modification access should 3 goals of should not take not take place. information Confidentiality Integrity Availability place. security Known as the How - You can CIA triad How - Hashing encrypt the data. Information is A layered An individual Users are available at the cannot deny that approach to granted only the right time, right he or she took an Principle of rights and Non security by place without Defense in least privilege permissions they Repudiation action. implementing issues. Depth need to perform multiple controls Digital Signatures their jobs. at different lavers How- backups Are to be taken Prevents fraud Ensures iobs mandatory by by ensuring that are rotated individuals no single between Separation of Mandatory Helps detect individual has Job Rotation **Due Diligence** different fraud as work is individuals complete handled by a control over a over time to separate process. detect fraud individual Investigative Absence of or The danger of a Steps taken by steps that an weakness in a threat agent an organization organization control exploiting a to ensure vulnerability takes prior to **Due Care** security and Vulnerability **Threat** making a major privacy of the purchase or data. taking on an obligation. Entity that can Probability of a Control or exploit a threat agent safeguard, vulnerability exploiting the implemented Risk **Threat Agent** vulnerability. Countermeasure to reduce the Types of Countermeasure risk. Administrative Technological Management Physical 2. Technical controls which controls such as controls such as 3. Physical includes firewalls . gates, fences, **Physical** Administrative **Technical** encryption , IDS policies. CCTV . security auidelines. . anti virus etc. quards etc. training programs etc. Controls such as Controls such as Controls such as firewalls, gates, CCTV. DLP. backups, secure policies etc. that SIEM etc. that configurations Preventive are deployed to Detective Corrective are deployed to etc. that are Controls Controls Controls prevent an detect an deployed to take incident from incident as it corrective

occurs.

actions.

occurring...