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The CIA Triad

What is the CIA Triad?

The CIA triad is the base of policies in any organization that it may apply to. It is a security model, important to the cybersecurity field. This framework works together to make sure security policies are up to par. It consists of Confidentiality, Integrity, and Accessibility. Confidentiality is the practice of keeping needed information private. It is used for sensitive information or information that should only be accessed by certain individuals. Integrity is maintaining information and making sure it is consistent and correct. Information is no good if it isn't accurate. The practice of integrity ensure that data hasn't and cannot be altered at any point in time. Availability ensures that any information or anything that needs/ can be accessed is accessible at any time that it is supposed to be. This could be for hardware and software.

Authentication vs. Authorization

Authentication verifies a user's identity. There are multiple ways to do this as organizations may use fingerprints, passwords, pins, eyes, and more. Most sites or companies use multi-factor which consists of 2 or more different **types of authentications**. Authorization is the permission authorized users gain to certain things pertaining to what the situation is. An authenticated user may be authorized to go into one part of a building while another user isn't, but they still can authenticated users, just different permissions.