

## Write-Up: The CIA Triad

The CIA triad is the foundation the cybersecurity was built upon its three core principles are Confidentiality, Integrity, and Availability. In the CIA triad Confidentiality covers privacy ensuring that only the authorized party is given access or permission to modify sensitive data, making it a key factor in information security. Integrity ensures that data is protected, accurate, and safe from unauthorized figures. Availability ensures that data is accessible to authorized users whenever it is required.

Although authentication and authorization have similarities it is important to highlight and know differences between the two. Authentication verifies the identity of the user by asking for credentials. For example, when being asked for your password on any app that is the system verifying your identity. Authorization on the other hand verifies what the users are allowed to do in the system and what permissions they have. For example, if you work in the IT department, you will have a badge to give you access to that floor but that badge won't give you access to the accounting floor because you don't work in finance.

[What is the CIA Triad\\_ Definition, Explanation, Examples - TechTarget.pdf - Google Drive](#)