Lesson Title:
Confidentiality, Integrity, and Availability

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http://rfidsecurity.uark.edu
Three Principles of Security

- **Confidentiality** ensures that only authorized individuals have access to information. It refers to mechanisms that prevent unauthorized information disclosure.
- **Integrity** ensures that the information is authentic and has not been modified by additions, deletions, modifications, or rearrangement.
- **Availability** is the percentage of time that a system is working correctly during a time period. It refers to mechanisms that ensure the system or data is available. In other words, the level of performance is acceptable.
  - Power outages
  - Natural disasters
  - Denial of service
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