Automated Information Security Notes

Balancing Information Security and Access

Impossible to obtain perfect information security —it is a process, not a goal.

Security should be considered a balance between protection and availability.

To achieve balance, the level of security must allow reasonable access, yet protect against threats

ISO 7498/2 Information Security Services

Identification and Authentication

Authorisation

Integrity

Confidentiality

Non-repudiation or Non-denial

What is Information Security?

The protection of information and its critical elements, including systems and hardware that use, store, and transmit that information

Includes information security management, data security, and network security C.I.A. triad

Is a standard based on confidentiality, integrity, and availability, now viewed as inadequate?

Expanded model consists of a list of critical characteristics of information