

Principles of Security

Learn the principles of information security that secures data and protects systems from abuse.

Task 2 The CIA Triad

Question	Answer
What element of the CIA triad ensures that data cannot be altered by unauthorised people?	Integrity
What element of the CIA triad ensures that data is available?	Availability
What element of the CIA triad ensures that data is only accessed by authorised people?	Confidentiality

Task 3 Principles of Privileges

Question	Answer
What does the acronym "PIM" stand for?	Privileged Identity Management
What does the acronym "PAM" stand for?	Privileged Access Management
If you wanted to manage the privileges a system access role had, what methodology would you use?	PAM
If you wanted to create a system role that is based on a user's role/responsibilities with an organisation, what methodology is this?	PIM

Task 4 Security Models Continued

Question	Answer
What is the name of the model that uses the rule "can't read up, can read down"?	The Bell-LaPadula Model
What is the name of the model that uses the rule "can read up, can't read down"?	The Biba Model
If you were a military, what security model would you use?	The Bell-LaPadula Model
If you were a software developer, what security model would the company perhaps use?	The Biba Model

Task 5 Threat Modelling & Incident Response

Question	Answer
What model outlines "Spoofing"?	STRIDE
What does the acronym "IR" stand for?	Incident Response
You are tasked with adding some measures to an application to improve the integrity of data, what STRIDE principle is this?	Tampering
An attacker has penetrated your organisation's security and stolen data. It is your task to return the organisation to business as usual. What incident response stage is this?	Recovery

END!!!