

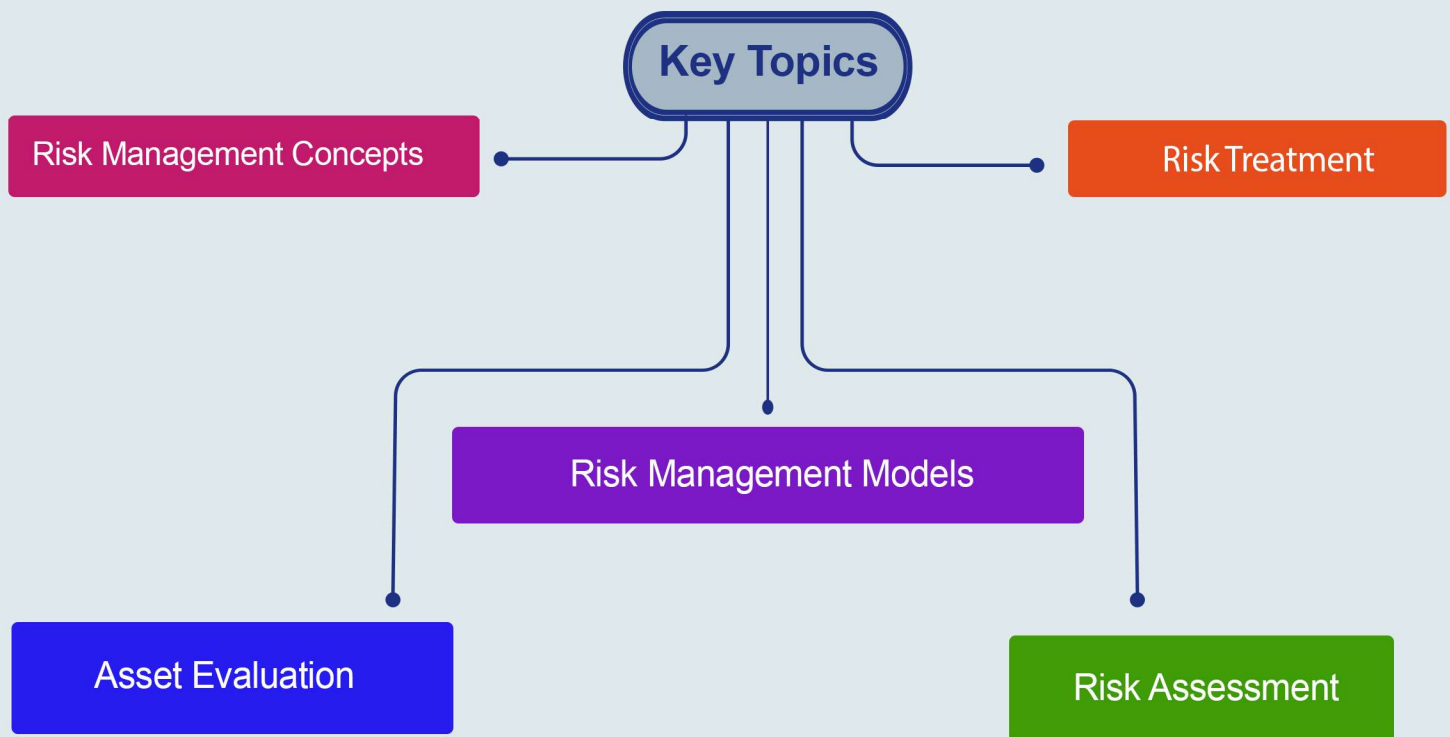
About the Course

Risk management is the process of identifying, assessing and controlling threats to an organization's capital and earnings. These risks stem from a variety of sources including financial uncertainties, legal liabilities, technology issues, strategic management errors, accidents and natural disasters. In this course you learn the practical skills necessary to perform regular risk management. The ability to perform risk management is crucial for organizations hoping to defend their systems. Risk management should be the foundational tool used to facilitate thoughtful and purposeful defense strategies.

Learning Objectives



Key Topics



Pre Requisites

- Information Security Concepts and Principles Course

What You Will Receive



Course Presentation File



Complementary Files

Risk Management
(Identification,
Assessment &
Teatment) eBook

Who Should Attend

- Board Members
- Executives
- CISOs
- PenTesters
- Threat & Vulnerability Analysts
- Security Specialists
- Information Security Auditors
- Cyber Intelligence Specialist
- CSOs
- Security Policy Officers



Syllabus



Basic Concepts

- o Asset
- o Vulnerability
- o Threat
- o Risk
- o Probability or Likelihood
- o Impact
- o Annual Loss Expectancy (ALE)
- o Annual Rate of Occurrence (ARO)
- o Control
- o Defense-in-depth
- o Return On Security Investment (ROSI)
- o Single Loss Expectancy (SLE)
- o Incidental Damage (ID)
- o Timely Damage (TD)
- o Single Incident Damage (SID)
- o Single Loss Expectancy (SLE)
- o Cost Benefit Analysis (CBA)
- o Residual Risk
- o Risk Register
- o RTO/RPO
- o MTBF
- o MTTR
- o Single Point of Failure
- o Risk Management

Syllabus

Risk Management Frameworks

- o Preventive
- o Deterrent
- o Detective
- o Corrective
- o Recovery

Risk Management Life Cycle

- o Risk Identification
- o Risk Assessment
- o Risk Treatment

Risk Identification

- o Risk Identification Methods
- o Threat Modeling
- o Threat Identification Models
- o Vulnerability Assessment

Risk Assessment

- o Risk Assessment Concepts
- o Methodologies
- o Threat Assessment
- o Assessment and Test Strategies
- o Risk Estimation
- o Risk Response Techniques
- o Business Impact Analysis Concepts.
- o Risk Prioritization
- o Risk Classification

Syllabus



Risk Treatment

- o Risk Response Techniques*
- o Identification of Residual Risks*
- o Development of the Action Plan*
- o ROSI Calculation*
- o Approval of the Action Plan*



Risk Management Tools

- o Austrian IT Security Handbook*
- o CRAMM*
- o Dutch A&K analysis*
- o EBIOS*
- o MARION*
- o MEHARI*
- o Octave*
- o Callio*
- o Casis:*
- o Cobra:*
- o GStool:*
- o Proteus:*
- o Ra2*
- o RiskWatch*

Hands-on Training

- Lab 1 - Performing a Simple Risk Assessment
- Lab 2 - Risk Management Tools