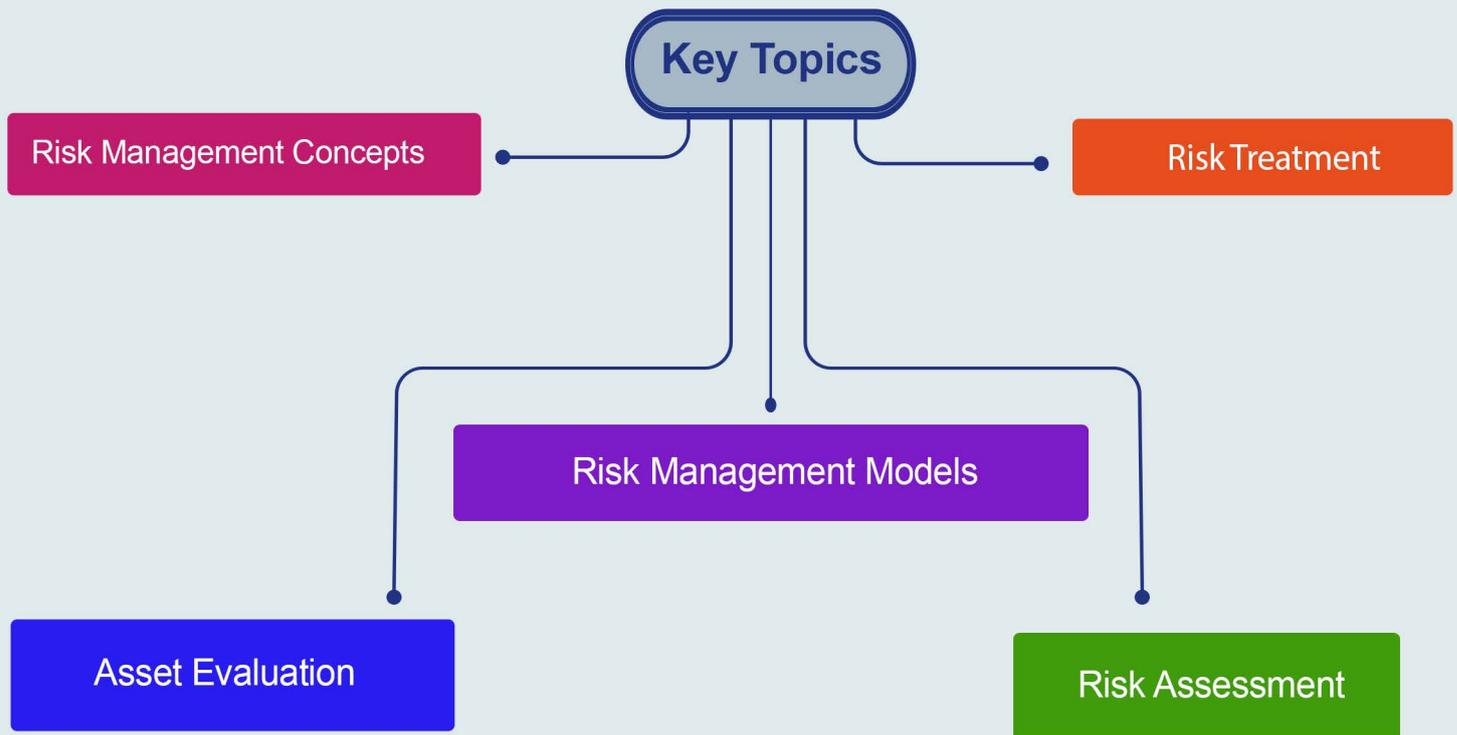Terminus System

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

1 Performing a Complete Risk Assessment

2 Organization's most Critical Information Assets Inventory

3 Assigning a Data Owner and Custodian to an Information Asset

4 Security Evaluation of Critical Information Assets

5 Prioritize Risk Remediation Efforts as a Result of Performing a Risk Assessment

6 Evaluate Rsk Management Models for use in your own Organization

Terminus
System

Key Topics

Key Topics

Risk Management Concepts

Risk Treatment

Risk Management Models

Asset Evaluation

Risk Assessment

Pre Requisites

- Information Security Essentials Courses
  - Information Security Fundamentals
  - Information Security Standards, Frameworks, and Best Practices

What You Will Receive

Course Presentation File

Complementary Files & Toolkit

Information Security Strategic Management 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 *CRAMM*

o *EBIOS*

o *MEHARI*

o *Octave*

o *RiskWatch*

Hands-on Training

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