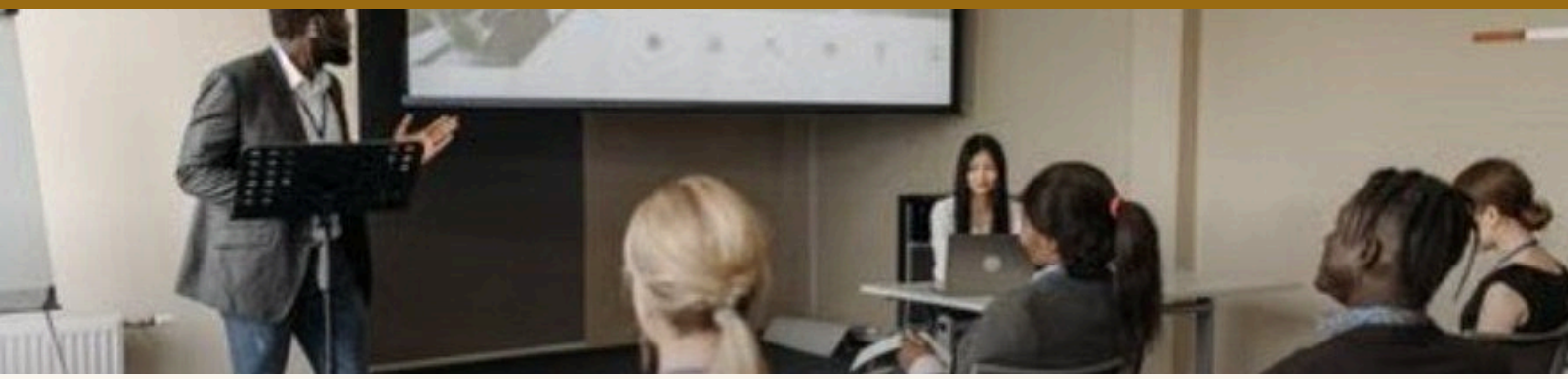


SEYA CAPITAL
INSIGHT · STRATEGY · GROWTH

INFORMATION & COMMUNICATION TECHNOLOGY

IT Security Architecture Design Programme

Designing Secure Enterprise Architectures, Protecting Digital Assets & Building Cyber-Resilient Organisations

SECTOR	AVAILABILITY	DELIVERY
Information & Communication Technology	On request	Open or in-house

OVERVIEW

About this course

As organisations accelerate digital transformation, migrate to cloud environments, integrate emerging technologies, and expand digital services, the need for robust and resilient security architecture has become a strategic priority. Effective IT Security Architecture provides the foundation for protecting information assets, reducing cyber risks, ensuring regulatory compliance, and enabling secure business operations.

The Seya Capital IT Security Architecture Design Programme equips participants with the knowledge, frameworks, methodologies, and practical skills required to design, implement, evaluate, and govern enterprise security architectures. The programme focuses on security architecture principles, secure-by-design methodologies, enterprise security frameworks, cloud security architecture, network security design, identity and access management, data protection, and cyber resilience.

Participants will learn how to integrate security into enterprise architecture and technology environments, ensuring that confidentiality, integrity, availability, and resilience are embedded throughout organisational systems and processes.

SCHEDULE

Dates, venues & fees

Dates and fees for this programme are available on request. It can be scheduled as open enrolment or delivered in-house for your team. Contact info@seyacapital.com.

HIGHLIGHTS

What you will learn

- Security architecture principles and methodologies
- Enterprise security architecture frameworks
- Secure-by-design and security-by-default approaches
- Network and infrastructure security architecture
- Cloud security architecture and governance
- Identity and Access Management (IAM) architecture
- Data security and protection architectures
- Zero Trust security architecture
- Security architecture risk assessment techniques
- Cyber resilience and business continuity architecture
- Security architecture governance and compliance
- Security architecture roadmaps and implementation planning
- Participants will explore practical applications including:
- Enterprise Security Architecture Design
- Security Architecture Maturity Assessments
- Threat Modelling Exercises
- Network Security Architecture Reviews
- Cloud Security Architecture Assessments
- Zero Trust Strategy Development
- Identity and Access Management Design
- Data Security Framework Development
- Security Risk Assessments
- Security Governance Framework Design
- Cyber Resilience Planning
- Security Architecture Roadmap Development

OBJECTIVES

By the end of the course

By the end of this programme, participants will be able to:

- Understand the principles and components of IT Security Architecture.
- Design secure enterprise technology architectures aligned with business objectives.
- Apply security architecture frameworks and best practices.
- Develop secure network, infrastructure, and cloud architectures.
- Design effective identity and access management solutions.
- Integrate security controls into enterprise systems and applications.
- Conduct security architecture risk assessments and reviews.
- Implement Zero Trust and defence-in-depth strategies.
- Strengthen cyber resilience and business continuity capabilities.
- Develop and govern enterprise security architecture programmes.

WHO SHOULD ATTEND

Designed for

- Security Architects
- Enterprise Architects
- Chief Information Security Officers (CISOs)
- Information Security Managers
- IT Managers
- Cybersecurity Professionals
- Network and Infrastructure Engineers
- Systems Architects
- Cloud Security Professionals
- Risk Management Professionals
- Technology Consultants
- Digital Transformation Leaders
- Governance, Risk and Compliance Professionals
- ICT Directors and Technology Executives

PROGRAMME

Course outline

Day 1: Foundations of Security Architecture

- Introduction to Security Architecture
- Security Architecture Principles
- Enterprise Security Objectives
- Security Architecture Frameworks
- Security by Design and Security by Default
- Defence-in-Depth Concepts
- Enterprise Security Architecture Models

Day 2: Network and Infrastructure Security Architecture

- Network Security Architecture Design
- Secure Infrastructure Design Principles
- Segmentation and Security Zones
- Firewalls and Security Gateways
- Secure Remote Access Architectures
- Infrastructure Hardening Strategies
- Resilient Infrastructure Design

Day 3: Identity, Access Management and Data Security Architecture

- Identity and Access Management Architecture
- Authentication and Authorisation Models
- Privileged Access Management
- Data Security Architecture
- Encryption and Key Management
- Data Classification and Protection Frameworks
- Privacy and Data Governance Requirements

Day 4: Cloud Security and Zero Trust Architecture

- Cloud Security Architecture Principles
- Shared Responsibility Models
- Multi-Cloud Security Architecture
- Secure Application Architecture
- Zero Trust Security Framework
- Security Monitoring and Visibility
- Cloud Governance and Compliance

Day 5: Security Governance, Resilience and Capstone Project

- Security Governance Frameworks
- Security Architecture Risk Management
- Business Continuity and Resilience Architecture
- Security Architecture Reviews and Assessments
- Security Roadmap Development
- Emerging Security Architecture Trends
- Capstone Enterprise Security Architecture Design Project

METHODOLOGY

How you will learn

This highly interactive programme combines:

- Expert-led presentations
- Security architecture design workshops
- Architecture modelling exercises
- Enterprise security case studies
- Threat modelling and risk assessment activities
- Cloud security architecture simulations
- Group discussions and collaborative exercises
- Security governance workshops
- Architecture review exercises
- Capstone enterprise security architecture project

Participants will gain practical experience designing, evaluating, and implementing security architectures for modern enterprise environments.

IMPACT

The return on learning

For your organisation

- Strengthen enterprise security architecture capabilities
- Improve protection of critical information assets
- Enhance cyber resilience and operational continuity
- Improve governance and compliance readiness
- Support secure cloud and digital transformation initiatives
- Reduce enterprise security risks and vulnerabilities
- Improve strategic technology decision-making
- Strengthen infrastructure and application security
- Enhance cyber risk management effectiveness
- Establish a secure-by-design organisational culture

For you

- Develop advanced security architecture expertise
- Strengthen enterprise security design capabilities
- Improve cybersecurity risk management skills
- Gain practical experience in architecture frameworks and methodologies
- Enhance cloud and infrastructure security competencies
- Improve strategic thinking and decision-making capabilities
- Strengthen professional credibility in information security leadership
- Enhance career opportunities in security architecture and cybersecurity management

CERTIFICATION

Seya Capital certificate

Upon successful completion of the programme, participants will be awarded the prestigious:

Seya Capital Certificate in IT Security Architecture Design

Recognising professional competence in enterprise security architecture, secure infrastructure design, cloud security architecture, identity and access management, data protection architecture, Zero Trust implementation, cyber resilience planning, security governance, architecture risk management, and enterprise cybersecurity architecture design.

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Register or enquire

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