



INFRASTRUCTURE ARCHITECTURE CORE

Duration: 4 days; Instructor-led

COURSE DESCRIPTION

Infrastructure architecture provides strategic uses of infrastructure, network and operations as an asset. They create and deliver technology strategies to optimize the use of technology resources related to hardware and physical system. The infrastructure architect uses their mastery of network, computing platform and operations to guide the organization to valuable investments in hardware and platform.

Infrastructure architects develop deep skills in technology infrastructure environment that includes hardware platforms, system and network configuration as one of an organization's key assets. They work in areas of technology and platform infrastructure from the middleware to design, build, and operate in an IT environment that is capable of supporting the enterprise business applications. They are subject matter experts that can even experienced software architects may never encounter. This course provides deep coverage of each of these areas.

This course is delivered in instructor-led format. Each day the course instructor will guide students through various base skills and definitions, discussions and recommended infrastructure architecture best practices for delivery of business technology strategy and values. Student's progress through detailed definitions and ontology, instructor and student led discussions, hands on workshops and industry case studies.

AUDIENCE

- System Engineers
- Network Engineers
- Datacenter Engineers
- BCP Specialists
- DR Specialists
- Server Engineers
- Security Engineers
- Team Leaders
- Infrastructure Engineers
- System Configuration Managers
- System Administrators
- System Managers
- System Consultants

PREREQUISITES

Candidate must have taken 4-days Business Technology Strategy (BTS) course.

KEY BENEFITS

- Be able to review rigorous design methodology and cost optimization that consistently yields the right level of technical design documentation and develop technical solutions that conform both to customer requirements and software development standards.
- Be able to participate and recommend technology prioritization through the project implementation process.
- Be able to act as a key member of project team and technology platform leadership in both application design and development.
- Be able to address infrastructure reusability and services as well as to communicate infrastructure concepts to all level of management.
- Be able to apply infrastructure quality attributes techniques to achieve robust platform that support enterprise business applications.



GEMRAIN
CONSULTING

KEY CONTENT

Module 1: Data Center Infrastructure

- Data center overview.
- Networking and telephony.
- Storage platform.
- Computer platform.

Module 2: Application and Management Systems

- Operating platform.
- Infrastructure application platform.
- Business application platform.
- Management platform.
- Monitoring platform.
- Backup recovery platform.

Module 3: Design, Patterns and Models

- Design and modeling for infrastructure.
- Designing for availability.
- Hosting models.

Module 4: Frameworks, Methodologies and Tools

- Infrastructure frameworks and methodologies.
- Service Design (ITIL).
- Service Transition (ITIL).
- Service Operation (ITIL).

Module 5: Architecture throughout the Lifecycle

- Working with other architects.
- Your role before, during & after delivery.
- Day in the life of an infrastructure architect.
- Looking forward.