# INFOSOFT IT SOLUTIONS

**Training | Projects | Placements**

Revathi Apartments, Ameerpet, 1st Floor, Opposite Annapurna Block, Infosoft It solutions, Software Training & Development Institute, **+91 - 9059683947 | +91 - 9182540872**

## IIS  Course

### Introduction

- Role of a Web Server

- Dynamic Content

- Security

- Authorization and Authentication

- Evolution of IIS

### Deployment Planning

- Windows Server Editions

- Windows Installation Options

- Active Directory vs. Standalone

- IIS Modules

### Installation

- Server Manager

- PowerShell

- Upgrading from a Previous Version of IIS

- Automated Installation

- Lab 1: Installation

**Server Footprint**

- Folders and Files

- System Services

- Windows Users and Groups

**Tools for IIS Administration**

- IIS Manager

- AppCmd.exe

- PowerShell

- Microsoft.Web.Administration API

**Configuration System**

- Architecture

- Configuration Editor

- Configuration Backups

**Core Architecture**

- HTTP.sys

- Worker Processes

- World Wide Web Publishing Service (W3SVC)

- Windows Activation Service (WAS)

### Request Pipeline

- Modules

- Classic vs. Integrated Pipeline Mode

- Lab 2: Configuration Backup and Baseline Configuration

### Basic Administration Objects

- Virtual Directories

- Applications

- Sites and Bindings

- Application Pools

- Lab 3: Creating a New Site

### Request Processing

- Request Filtering

- Website Limits

- Output Caching

- Handler Mappings

- Static File Handler

- Compression

- HTTP Response Headers

- Error Pages

- IIS HTTP Sub-Status Codes

- Lab 4: Modules for Request Processing

**Application Pool Administration**

- Basic Settings

- Advanced Settings

- Application Pool Identity

- Recycling

- Real-Time Monitoring

- Lab 5: Recycling and Real-Time Monitoring

  **IP Address and Domain Restrictions**

- Configuration

- Dynamic IP Restrictions

  **Logging**

- HTTP Logging

- Centralized Logging

- Failed Request Tracing

- Lab 6: Logging and Failed Request Tracing

  **Server Certificates and SSL**

- Introduction

- TLS Handshake

- Server Name Indication (SNI)

- Requiring SSL

- Certificate Rebind

- Lab 7: Server Certificates and Requiring SSL

**Authentication**

- Application Pool Identity vs. Authenticated User

- Anonymous Authentication

- HTTP Basic Authentication

- HTTP Digest Authentication

- Windows Authentication

- Client Certificate Authentication

- ASP.NET Forms Authentication

- Delegation

- Lab 8:Authentication

**Authorization**

- NTFS Authorization

- URL-Based Authorization

- ASP.NET Application-Level Authorization

**Session State**

- Session IDs

- In-Process Session State

- Using a State Server

- Using SQL Server

- Lab 9: Session State

**Remote Administration**

- IIS Management Service

- Permissions

- Feature Delegation

**Web Deploy**

- Exporting and Importing Applications

- Visual Studio Support

**URL Rewrite**

- Introduction

- Rules

- Actions

- Lab 10: URL Rewrite

**Web Farms**

- Introduction

- Shared Configuration

- Shared Website Content

- Centralized SSL Certificates

- Session State

- .NET Machine Key

## Application Request Routing (ARR)

- Features
- Architecture
- Configuration
- Server Farm Site Bindings