

# Mainframe Admin Course Details

By [Besant Technologies](#)

Course Name	Mainframe Admin
Category	IBM
Venue	Besant Technologies
Address	No.24, Nagendra Nagar, Velachery Main Road, Velachery, Chennai – 600 042 Landmark – Opposite to Phoenix Market City
Official URL	<a href="#">Mainframe Admin Training</a>
Demo Classes	At Your Convenience
Training Methodology	30% Theory & 70% Practical
Course Duration	35-40 Hours
Class Availability	Weekdays & Weekends
For Demo Class	Call - +91-996 252 8293 / 94 Email ID – <a href="mailto:besanttech@gmail.com">besanttech@gmail.com</a>

## Why Besant Technologies?

- Training by highly experienced and certified professionals
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## Mainframe Admin Training Outline

### **Mainframe system administration**

- z OS Overview
- TSO / ISPF,JCL,VSAM
- INITIALIZATION & IPL PROCEDURE
- JES Administration
- Catalog
- Storage Management
- SMF,TCP/IP,VTAM
- RACF Administration
- SMP/E Introduction
- DB2 Administration
- CICS Administration

### **Mainframe application program**

- An Introduction to the z/OS and OS/390 Environment
- ISPF
- JCL - Job Control Language
- VSAM Fundamentals
- MVS Administration
- Operating System Customization and Initialization Concepts
- SYSTEM DATA SETS
- JES Administration
- Catalogs
- Storage Management
- SMF
- RACF Administration
- SMP/E Introduction

### **DB2 / UDB administration**

- Understanding RDBMS
- Overview of DB2 universal Database
- Getting started with Db2 UDB GUI
- Create Databases and Data Placement
- Create Objects
- Utilities
- Monitoring and problem determination
- Concurrency
- Application alternatives

- Application Performance
- Security

### **CICS administration**

- CICS Overview Introduction to CICS
- CICS Initialization & Shutdown
- Types of Resources Definition
- Terminal definition
- Security in CICS
- Backup / Recovery & Journals – CICS Log
- Termination of CICS/Restart consideration
- Recoverable resources
- Performance Tuning

### **Citrix and Windows administration**

- Installing Citrix XenApp
- Installing and Configuring Citrix XenApp Clients
- Publishing Resources
- Configuring Policies in Citrix XenApp
- Configuring Sessions in Citrix XenApp
- Configuring Citrix XenApp
- Configuring Load Management
- Deploying Applications with XenApp
- Configuring Printing
- Enabling Web Access to Published Resources
- Streaming Applications
- Securing Access to Published Resources
- Citrix XenApp Updates
- WINDOWS ADMIN
- Introduction to Active Directory Infrastructure
- Implementing an Active Directory Forest and Domain Structure
- Implementing an Organizational Unit Structure
- Implementing User, Group, and Computer Accounts
- Implementing Group Policy
- Deploying and Managing Software by Using Group Policy
- Implementing Sites to Manage Active Directory Replication
- Implementing the Placement of Domain Controllers
- Managing Operations Masters
- Maintaining Active Directory Availability

### **AS400**

- iSeries overview and basic concepts
- Work Management
- Software Installation and Maintenance
- Problem Management
- Manage Backup and Recovery
- Security Concepts & planning
- Manage and Secure Network Connectivity
- Database Fundamentals
- iSeries Access
- BRMS (Backup Recovery & Media Services)
- Logical Partitioning on iSeries
- Performance monitoring
- MAINFRAME ADMINISTRATION
- DB2 Administration

#### **AS400 application program**

- AS/400 introduction
- Control Language Overview
- COBOL 400
- DB2 400
- RPG400

#### **REXX, CLIST, ASSEMBLER programming**

- Introduction to REXX keywords- SAY, DO, IF and EXIT
- Conditional Instructions
- Looping
- Built-in Functions & TSO/E External Functions
- Tracing & Debugging
- Stack and I/O Processing
- Creating a CLIST
- Executing a CLIST
- Using TSO Commands in CLISTS
- Programmable CLISTS
- Submitting Background Jobs from CLISTS
- PROC Statements
- Debugging Techniques
- CLIST Programming
- File I/O Processing
- Trapping Output
- Monitoring Datasets
- Multi-Module (Nested) CLIST Programs

- Compile, Link and Go CLISTS
- Advanced Topics

### **AIX / UNIX Administration**

- Introduction to AIX
- System
- Files and Directories
- File Permissions
- The vi Editor
- Shell Basics
- Shell Variables
- Processes
- Customising the User Environment
- AIX Utilities
- Software Installation and Maintenance

### **TIVOLI administration**

- Main features TIVOLI
- Understanding TIVOLI monitoring
- Resources models
- Cycles
- Threshold
- Parameters
- Indications
- Occurrence and holes
- Events
- Clearing events
- Monitoring of event and indications
- Supported platforms
- Hardware requirements
- Products within the tivoli monitoring family
- Installing and upgrading the product
- Web health console
- Understanding the resource health
- Installing the web health console
- Connecting the web health console
- Request manager processor
- System requirements
- Enabling the web health console to use your resource models
- Logging on to the web health console
- Setting your preferences

- Managing end point lists & preferences
- Common web health console features
- Using and working with endpoints
- Using the resource model view
- Heart beat function & flows
- Installing and configuring heart beat
- Controlling the heart beat
- End point registration
- Heartbeat monitoring
- Viewing the end point cache
- Installing the workbench
- Creating resource models
- Elements in resource models
- Building the package
- Registering a resource model in to ITM

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