

## Mainframe System Admin Training Course Syllabus

### Introduction to Mainframe system

- Basic understanding of mainframe systems
- Characteristics of mainframe systems
- Different processing(Online, Batch & TSO) in mainframe systems

### Introduction to z architecture

- Evaluation of z architecture
- Basic z architecture
- Hardware & OS
- Mainframe Virtual Storage(MVS)
- Dynamic Address Translation(DAT)
- LPAR

### TSO & ISPF

- Time sharing option(TSO)
- Basics of Interactive System Productivity Facility(ISPF)
- Navigating to different ISPF options
- Different types of datasets used in mainframe

### JCL & VSAM

- Coding a Job Control Language(JCL)
- Basic Utilities
- Different parameters used in the JCL
- Virtual Storage Access Method(VSAM)
- GDG

### Catalogs

- Catalog types
- Master Catalog & User catalogs
- Create, List & Resizing catalog datasets

## **IPL**

- **Initial Program Load(IPL)**
- **Different startups in IPL**
- **SYStem RESident(SYSRES) Volumes**
- **IODF & IOCDS**
- **PARMLIB & PROCLIB**

- **Different subsystems**

## **JES**

- **Job Entry Subsystem(JES)**
- **JES2PARM**
- **Start & stop of JES**
- **JES processing**

## **Storage Management**

- **Basics of DASD & TAPE servers**
- **SMS**
- **Different CLASS parameters**
- **Storage Parmlib Member**
- **ADDRSSU utility**

## **SMF**

- **System Management Facility(SMF)**
- **SMF MAN datasets**
- **SMF Record types**
- **SMF dataset status**

## **RMF**

- **Resource Management Facility(RMF)**
- **Different Monitoring**

## **Other Subsystems**

- **TCPIP**
- **VTAM**
- **USS**

#### **RACF**

- **Resource Access Control Facility(RACF)**
- **Different Profiles**
- **Resource profiles**
- **SMP/E**
- **System Modification Program Enhanced(SMPE)**
- **Different installation packages**
- **Types of SYSMODs**
- **Different Zones**
- **Temporary datasets**

#### **DB2 Administration**

- **DataBase administration(DB2)**
- **DB2 address spaces**
- **DB2 components**
- **Online & Offline Utilities**

#### **CICS Administration**

- **Basics of CICS transactions**

