SS84 IBM DFSMS Implementation

Category: Infrastructure & IT Operations | **Vendor:** IBM

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this course you will learn how to plan and implement DFSMS and learn how to manage temporary and permanent data sets with an emphasis on disk storage.

About This Course

In this course you will learn how to plan and implement DFSMS and learn how to manage temporary and permanent data sets with an emphasis on disk storage.

Who Should Attend

This is an intermediate course for individuals responsible for developing and implementing effective storage management techniques.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Establish a DFSMS configuration to automatically enforce your installation's storage management policies Convert service level requirements into appropriate parameters for data class, storage class, management class, and storage groups Create and test Automatic Class Selection (ACS) routines Convert volumes and move data to system-managed volumes with DFSMS Data Set Services (DFSMSdss) Specify appropriate management class and storage group parameters for DFSMS Hierarchical Storage Management (DFSMShsm) processing of system-managed data sets Plan to maintain your DFSMS environment using Naviquest Establish procedures to control, manage, and recover the storage management subsystem with ISMF and operator commands Develop a DFSMS implementation plan

Detailed Course Outline

Course introduction and DFSMS overview

- Specify the storage administration functions that can be automatically performed by the system
- Identify the types of data set services that need to be established by negotiating service level agreements
- Correlate data set service requirements to the SMS configuration components: data class, storage class, management class, storage group, and automatic class selection routines
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Activating SMS

- Identify the functions eligible for exploitation with the installation of DFSMS Data Facility Product (DFSMSdfp) and the activation of SMS
- Create SMS control data sets
- Code SYS1.PARMLIB operands necessary to bring up SMS
- Create a minimal configuration
- Activate a configuration
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Writing ACS routines

- Identify the purpose of the ACS routines
- Develop an understanding of the statements
- Differentiate between literals and masks
- Describe the read variables available in the ACS routines

Managing temporary data sets

- Create/alter storage classes and storage groups
- Identify steps to install and use the starter set
- Write ACS routines to handle temporary data sets
- Activate a system to manage temporary data sets
- Code commands to change volume/group SMS status
- Issue operator commands to display current status
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Exploiting DFSMS

- Describe the purpose of the data class
- Identify the features that the data class can exploit
- Create data sets using the space parameter
- Define Virtual Storage Access Method (VSAM) and volume attributes for data class
- Identify special data sets and their exploitation through the data class
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Managing permanent data sets

- Create/alter data classes, storage classes, management classes, and storage groups
- Translate current (DFSMShsm) service level agreements to management class parameters
- Identify alternatives and concerns for standard naming conventions
- Establish the controls for automatic backup of data sets
- Establish the controls for automatic volume dump
- Write ACS routines to manage permanent data
- Create a configuration that manages permanent data sets
- Create a new managed data set
- Identify function of storage class exit provided by Custom-Built Installation Process Offering (CBIPO) and resulting System Management Facility (SMF) records

Using Naviquest

- Create test cases using Naviquest
- Perform storage administration tasks in batch
- Create online DFSMS reports
- Create model commands using Naviquest
- Use the COPYFILT macro

Device preparation and data movement

- Initialize volumes as system-managed
- Move data into/out from system-managed control
- Convert volumes to/from system-managed
- Move data to utilize new hardware capabilities

Controlling DFSMS

- Code commands to change SMS volume/group status
- Issue commands to save configurations and use alternate Active Control Data Set (ACDS)
- Issue command to use alternate Communication Data Set (COMMDS)
- Issue VARY SMS commands
- Communicate with the security administrator about storage management requirements

Additional considerations

- Establish a plan for implementing SMS
- Locate sources of implementation planning checklists
- Identify the tools available to document the current system
- Identify multiple site considerations for recovery and exploitation

Additional Course Details

Nexus Humans SS84 IBM DFSMS Implementation training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the SS84 IBM DFSMS Implementation course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for SS84 IBM DFSMS Implementation?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day SS84 IBM DFSMS Implementation course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the SS84 IBM DFSMS Implementation training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for SS84 IBM DFSMS Implementation?

Yes, we provide corporate training, dedicated training, and closed classes for SS84 IBM DFSMS Implementation. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for SS84 IBM DFSMS Implementation?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your SS84 IBM DFSMS Implementation training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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