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**BUNDLE COURSE SAS BI
AND SAS ADMIN**

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BUNDLE COURSE SAS BI (Business Intelligence) AND SAS ADMIN – Course Syllabus

Introduction to SAS 9 Enterprise Intelligence Platform and SAS Data Integration Studio

- Business Intelligence overview
- Business Intelligence Information Consumers
- Navigating in SAS Data Integration Studio

Change Management

- What is change management?
- Repository types
- Using change management

Designing the Course Data Mart

- Planning a data warehouse
- Building a Data Mart
- Defining the source data

- Defining the target tables
- Loading the target tables

Creating Reports

- Report Transformations
- Using the Transformation Generator Wizard
- SAS Data Integration Studio and stored -processes Transformations for Slowly Changing Dimensions
- Defining slowly changing dimensions
- Using the SCD Type 2 Loader transformation
- Using the Fact Table Lookup transformation

Job Scheduling

- Scheduling SAS Data Integration Studio jobs SAS Data Integration Studio and Data Quality
- SAS and Data Quality
- Using the Data Validation transformation
- Using the Apply Lookup Standardization transformation
- Using the Create Match Code transformation

SAS/Enterprise Guide

Introduction

- Starting SAS Enterprise Guide
- SAS Enterprise Guide windows
- Basic elements of SAS Enterprise Guide
- Entering data
- Creating a list report
- Producing a frequency report
- Creating a scatter plot
- Adding a note to the project
- Saving the project

Reading Data from Files

- Opening a SAS data set from your local computer

- Opening a SAS data set stored in a SAS library
- Opening a Microsoft Excel file

Creating Reports

- Creating a simple report
- Changing titles and footnotes
- Changing column labels and formatting values
- Defining your own formats
- Creating a grouped report
- Selecting a style for the report

Working with Data in the Query Builder

- Opening the Query Builder
- Selecting columns
- Creating a new column
- Ordering and removing columns
- Filtering data
- Sorting the data rows

Joining Two Data Files Together

- Opening the two data files to be joined
- Joining tables
- Filtering the data
- Modifying the type of join

1. Securing The SAS Configuration

- Secure a SAS platform configuration

2. Checking The Status And Operation Of SAS Servers

- Manage metadata repositories
- Identify the properties and functionality of SAS servers
- Configure a SAS Metadata server cluster

3. Monitoring, Logging, And Troubleshooting SAS Servers

- Monitor SAS servers
- Administer SAS server logging and modify logging configurations
- Troubleshoot basic SAS server issues

4. Backing Up The SAS Environment

- Back up the SAS environment
- Restore the SAS environment

5. Administering Users

- Manage connection profiles
- Manage roles
- Register users and groups in the metadata
- Give users access to processing servers and data servers
- Determine when to store passwords in the metadata

6. Administering Data Access

- Register libraries and tables in the metadata
- Update table metadata
- Pre-assign a library
- Troubleshoot data access problems
- Use the metadata LIBNAME engine

7. Managing Metadata

- Identify how the metadata authorization layer interacts with other security layers
- Identify where, how, and to whom metadata permissions are assigned
- Determine the outcome of metadata authorization decisions
- Use metadata permissions to secure metadata
- Create and use Access Control Templates
- Promote metadata and associated content

Key Topics covered in this course include:

Reviewing the Platform for SAS Business Analytics

- Exploring the platform for SAS
- Business Analytics overview
- Exploring the client tier, middle tier, server tier, and data tier

Administering the SAS Environment

- Overview of administration tasks

Determining the State of the SAS Environment

- Checking the state of SAS servers
- Exploring the metadata server and repositories
- Troubleshooting the metadata server

Monitoring, Logging, and Troubleshooting SAS Servers

- Identifying different types of SAS servers
- Monitoring SAS servers and spawners
- Logging SAS servers and spawners
- Troubleshooting SAS servers

Backing Up the SAS Environment

- Backing up metadata with the Backup Wizard
- Exploring OMABAKUP
- Scheduling backups
- Backing up physical files

Administering Client Applications

- Exploring connection profiles
- Using roles to control access to application
- Functionality
- Exploring SAS folders

Administering Users

- Defining regular users and groups
- Defining administrative users
- Giving users access to servers

Administering Data Access

- Registering libraries
- Tables in the metadata
- Updating table metadata
- Pre-assigning libraries
- Troubleshooting data access

Securing Metadata

- Introduction to metadata security
- Exploring metadata permission
- Exploring predefined ACTs
- Securing content in the folder tree
- Securing content outside the folder tree
- Creating additional ACTs

Moving Metadata

- Replicating an entire repository
- Promoting selected content

Updating the SAS Environment

- Applying hot fixes to the SAS environment