SAS DATA INTEGRATION STUDIO – course curriculum

Objective	Details
Overview	- Define the architecture of the platform for SAS Business Analytics. - Describe the available interfaces including: • SAS Data Integration Studio • DataFlux Data Management Studio - Define the change management feature of SAS Data Integration Studio. - Discuss the DataFlux Data Management Server.
Creating Metadata for Source and Target Data	- Define administrative tasks to be performed for SAS Data Integration Studio. - Describe the New Library Wizard. - Use Register Tables wizard to register source data. • Use Register Tables wizard to register metadata for a Microsoft Access database table using ODBC. - Use Register Tables wizard to register metadata for a Microsoft Access database table using ODBC. - Register metadata for a comma-delimited

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	external file. - Import and Export Metadata. • Discuss SAS packages. • Discuss importing and exporting of relational metadata.
Creating Metadata for Target Data and Jobs	- Describe features of the New Table wizard. - Discuss components of Join's Designer window including: • Navigate pane • SQL clauses pane • Tables pane • Properties pane - Investigate mapping and propagation. - Work with performance statistics. • Enable/disable performance statistics. • Be able to view performance statistics. - Generate reports on metadata for tables and jobs. - Define Impact and Reverse Impact Analysis. - Import SAS code. • Import macro-based SAS code.
Working with Transformations	- Discuss and use the Extract and Summary Statistics transformation. - Discuss and use the Loop transformations. • Iterate a job. • Iterate a transformation. - Investigate where status handling is available. - Explain the functionality of the Data Validation transformation. • Identify and configure the three types of validations. • Configure an error table and an exception table for data validation. - Discuss and use the Rank, Transpose, Append, List and Sort transformations. - Discuss and use the Apply Lookup

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	Standardization transformation. - Discuss and use the Compare Tables transformation. - Discuss and use transformations in the SQL grouping of transformations. - Apply and use the Standardize with Definition transformation.
Working with Tables and the Table Loader Transformation	- Discuss reasons to use the Table Loader transformation. - Discuss various load styles provided by the Table Loader transformation. - Discuss various types of keys and how to define in SAS Data Integration Studio. - Discuss indexes and how to define in SAS Data Integration Studio. - Discuss Table Loader options for keys and indexes. - Discuss the Bulk Table Loader transformation. - Discuss and use the components of the Join's Designer Window related to in database processing.
Working with Slowly Changing Dimensions	- List the functions of the SCD Type 2 transformation. - Define keys. (business, surrogate, and retained) - Detect and track changes. - Discuss the Lookup transformation. - Discuss the SCD Type 1 Loader.
Defining Generated Transformations	- Define SAS code transformation templates. - Create a custom transformation
Deploying Jobs	- Discuss the types of job deployment available for SAS Data Integration Studio Jobs. - Provide an overview of the scheduling process. - Discuss the types of scheduling servers. - Discuss the Schedule Manager in SAS Management Console. - Discuss batch servers. - Describe deployment of SAS Data Integration Studio jobs as a SAS Stored Process.
In Database Processing	- Define in- database processing • List benefits of in-database processing

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Objective	Details
	- Enable in-database processing. - Define and discuss ELT methods - Use a DBMS function in a SAS DI job

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