IBM InfoSphere DataStage engine Administration for Information Server v11.5

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Course#:KM520G
Duration:1 Days
Price:1350.00
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Course Description

This course teaches Information Server and/or DataStage administrators to configure, manage, and monitor the DataStage Engine which plays a crucial role in Information Server. It not only runs high performance parallel ETL jobs designed and built in DataStage. It also supports other Information Server products including Information Analyzer, QualityStage, and Data Click. After introducing DataStage parallel jobs and the Engine that runs them, the course describes DataStage project configuration, the Engines development and runtime environments, and the Engines data source connectivity. In addition the course explains how to import and export DataStage objects, how to run and monitor DataStage jobs through the command line and GUI, and how to use some important Engine utilities.

Learning Journeys that reference this course:

 IBM Information Server - Administrator

Objectives

After completing this course, you should be able to:

 Describe how the DataStage Engine is used within Information Server

 Describe how the engine achieves high performance through partition parallelism

 Describe the DataStage job compilation process

 Describe the engine runtime process and environment

 Describe the purpose and format of the DataStage configuration file

 Describe how to configure the engine using environment variables

 Describe how to configure data source connections

Describe the ways of running DataStage jobs

Describe how to monitor DataStage jobs and the runtime environment

Describe engine workload management

Import and export DataStage jobs and other engine objects

Audience

This course is recommended for those who will be administering Information Server and DataStage.

Prerequisites

It is recommend that students take KM510 IBM InfoSphere Administrative Tasks for Information Server v11.5 course.

Content

Unit 1: Introduction to the Information Server (DataStage) engine

 Information Server architecture

 How the DataStage Engine is used in Information Server

 DataStage Engine features

Unit 2: Elements of a DataStage job

 Anatomy of a DataStage parallel job

 Explore the elements of an example DataStage job, including its stages and job parameters

 Understand the OSH that is generated by the job during compile

Unit 3: Engine architecture

 Partition parallelism

 Runtime architecture

 Configuration files

 The Score

Unit 4: Engine project configuration

 DataStage project authorizations

 Runtime Column Propagation (RCP)

 Environment variables

Unit 5: Configuring database connectivity

 Configuring ODBC data sources

 Configuring native database connections

Unit 6: Running DataStage jobs

 Running jobs from the command line

 Monitoring jobs in Director and the Operations Console

 Workload management