

## IBM KM520G - IBM InfoSphere DataStage engine Administration for Information Server v11.5

 Live Online oder Präsenz

Dauer : 8h00

Nr. : 30383

Preis : 800,00 € netto  
952,00 € inkl. 19 % MwSt.

Inhouse-Paket : Auf Anfrage

### Overview

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 Engine's development and runtime environments, and the Engine's 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.

### Wer sollte teilnehmen:

#### Zielgruppe

### Audience

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

### Voraussetzungen

### Prerequisites

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

### Trainingsprogramm

### Course Outline

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  
Starting and stopping the Engine  
Unit 7: Engine utilities  
Data set utilities  
Multiple job compile  
Resource estimation tool  
Unit 8: Importing and exporting DataStage objects  
DataStage Designer exports and imports  
Command line exports and imports

## Objective

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

## Schulungsmethode

presentation, discussion, hands-on exercises

## Termine und Orte

### Live Online Training

21. Nov 2023

12. Mär 2024

Online Anmeldung:

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