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# IBM InfoSphere Advanced DataStage V8 Information

**Length:** 4.0 Days  
**Ref:** KM400G-X  
**Delivery method:** Classroom  
**Price:** AUD

## Overview

This course works with Information Server V8.5.

This course is designed to introduce advanced job development techniques in DataStage V8.5.This course replaces course number (DX455).

## Public

This advanced course is for Experienced DataStage developers seeking training in more advanced DataStage techniques and who seek an understanding of the parallel framework architecture.

## Prerequisites

You should complete:

- DataStage Essentials course **or** equivalent
- **and** have at least one year of experience developing parallel jobs using DataStage

## Objective

- Describe the parallel processing architecture and development and runtime environments
- Describe the compile process and the runtime job execution process
- Describe how partitioning and collection works in the parallel framework
- Describe sorting and buffering in the parallel framework and optimization techniques
- Describe and work with parallel framework data types
- Create reusable job components
- Use loop processing in a Transformer stage
- Process groups in a Transformer stage
- Extend the functionality of DataStage by building custom stages and creating new Transformer functions
- Use Connector stages to read and write from relational tables and handle errors in Connector stages
- Process XML data in DataStage jobs using the XML stage
- Design a job that processes a star schema database with Type 1 and Type 2 slowly changing

dimensions

- List job and stage best practices

## Topics

- Unit 1 - Introduction to the Parallel Framework Architecture
- Unit 2 - Compilation and Execution
- Unit 3 - Partitioning and Collecting Data
- Unit 4 - Sorting Data
- Unit 5 - Buffering in Parallel Jobs
- Unit 6 - Parallel Framework Data Types
- Unit 7 - Reusable components
- Unit 8 - Advanced Transformer Logic
- Unit 9 - Extending the Functionality of Parallel Jobs
- Unit 10 - Accessing Databases (start if there is time)
- Unit 11 - Processing XML Data
- Unit 12 - Slowly Changing Dimensions Stages
- Unit 13 - Best Practices