KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5)

Category: AI, Data & Analytics | **Vendor:** IBM

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this course, students will develop a deeper understanding of the DataStage architecture, including a deeper understanding of the DataStage development and runtime environments.

About This Course

In this course, students will develop a deeper understanding of the DataStage architecture, including a deeper understanding of the DataStage development and runtime environments.

Who Should Attend

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

Detailed Course Outline

Introduction to the Parallel Framework Architecture

- Describe the parallel processing architecture
- Describe pipeline and partition parallelism
- Describe the role of the configuration file
- Design a job that creates robust test data

Compiling & Executing Jobs

- Describe the main parts of the configuration file
- Describe the compile process and the OSH that the compilation process generates
- Describe the role and the main parts of the Score
- Describe the job execution process

Partitioning & Collecting Data

- Understand how partitioning works in the Framework
- Viewing partitioners in the Score
- Selecting partitioning algorithms
- Generate sequences of numbers (surrogate keys) in a partitioned, parallel environment

Sorting Data

- Sort data in the parallel framework
- Find inserted sorts in the Score
- Reduce the number of inserted sorts
- Optimize Fork-Join jobs
- Use Sort stages to determine the last row in a group
- Describe sort key and partitioner key logic in the parallel framework

Buffering in Parallel Jobs

- Describe how buffering works in parallel jobs
- Tune buffers in parallel jobs
- Avoid buffer contentions

Parallel Framework Data Types

- Describe virtual data sets
- Describe schemas
- Describe data type mappings and conversions
- Describe how external data is processed
- Handle nulls
- Work with complex data

Reusable Components

- Create a schema file
- Read a sequential file using a schema
- Describe Runtime Column Propagation (RCP)
- Enable and disable RCP
- Create and use shared containers

Balanced Optimization

- Enable Balanced Optimization functionality in Designer
- Describe the Balanced Optimization workflow
- List the different Balanced Optimization options.
- Push stage processing to a data source
- Push stage processing to a data target
- Optimize a job accessing Hadoop HDFS file system
- Understand the limitations of Balanced Optimizations

Additional Course Details

Nexus Humans KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5)?

Yes, we provide corporate training, dedicated training, and closed classes for KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your KM404 IBM InfoSphere Advanced DataStage - Parallel Framework (v11.5) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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