

RPG IV Programming Advanced Workshop for IBM i (AS10G)

ID AS10G **Preis 3.060,— € (exkl. MwSt.)** **Dauer 4 Tage**

Kursüberblick

A comprehensive exposure to some of the advanced features and functions of the language for experienced RPG IV programmers. Power-programming for the discerning!

Zielgruppe

This course is the second in a series of two classes designed for programmers who want to learn to code using the IBM i ILE RPG IV language. Previous programming experience using RPG IV is mandatory before enrolling in this course. The student should have attended RPG IV Programming Fundamentals Workshop for IBM i (AS06G).

Previous techniques and the maintenance of programs written using legacy techniques are not covered in the classroom.

Voraussetzungen

You must have attended these courses (or have equivalent experience):

- Introduction to IBM i for New Users (OE98G)
- IBM i Technical Introduction (OL4AG)
- RPG IV Programming Fundamentals Workshop for IBM i (AS06G)

You should be able to:

- Use a Windows-based PC
- Run PC applications using menus, icons, tool bars, and so forth

Kursziele

After completing this course, the student should be able to:

- Use address pointers and user spaces in RPG IV programs
- Write database triggers in RPG IV

- Develop ILE modular objects and package them in service programs
- Explain the purpose of ILE Activation Groups
- Explain the behavior of Error Handling and Percolation in ILE
- Code an ILE Error Handling program
- Call iSeries APIs from RPG IV programs
- Describe how to use CGI in RPG IV for web applications

Kursinhalt

This course teaches additional skills and techniques to programmers who can already write comprehensive RPG IV programs.

This class offers a comprehensive discussion of some of the advanced features and functions of RPG IV. This class is designed to enable an experienced RPG IV programmer to develop and maintain RPG IV programs of an advanced level using the latest features and techniques available in the IBM i RPG IV compiler.

Detaillierter Kursinhalt

Day 1

- Unit 1 - Welcome and administration
- Unit 2 - Using subfile displays Exercise 1 - Inquiry subfile with search
- Exercise 2 - Modularize vendor subfile search Exercise 3 - Page + 1 and PageDown Exercise 4 - Add PageUp
- Exercise 5 - Add SFLPAG = SFLSIZ Exercise 6 - Add maintenance

Day 2

- Unit 2 - Using subfile displays (continued)
- Exercise 6 - Add maintenance (continued) Unit 3 - Using the debugger
- Exercise 7 - Debugging an RPB IV program
- Unit 4 - ILE error handling and condition handlers Exercise 8 - Enhancing the condition handler

Day 3

- Unit 5 - Basic API programming
- Exercise 9 - Using system APIs I Exercise 10 - Using system APIs II Unit 6 - Using RPG Compiler directives
- Exercise 11 - Using conditional compiler directives
- Unit 7 - Using pointers, user spaces, and dynamic memory
- Exercise 12 - Using list APIs

Day 4

- Unit 8 - Using C functions
- Exercise 13 - Using C IFS functions Exercise 14 - Using C library functions Unit 9 - Using XML in RPG IV
- Exercise 15 - Enhancing the xml-into program

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Trainingsmethoden

- ✓ Klassenraumtraining
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- ✓ FLEX Classroom – Klassenraum und ILO kombiniert
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- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobiles Lernen

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Deutschland

**Fast Lane Institute for Knowledge
Transfer GmbH**

Tel. +49 40 25334610

info@flane.de / www.flane.de

Österreich

ITLS GmbH

(ITLS ist ein Partner von Fast Lane)

Tel. +43 1 6000 8800

info@itls.at / www.itls.at

Schweiz

**Fast Lane Institute for Knowledge
Transfer (Switzerland) AG**

Tel. +41 44 8325080

info@flane.ch / www.flane.ch