MultiValue Central

Course Catalog

The MultiValue Experts

Specialized MultiValue training for Rocket UniData and UniVerse

multivaluecentral.com

Contents

Learn the MultiValue Database Platform from Industry Experts

Practical. Structured. Cloud-Based.

Whether you're new to MultiValue or preparing for a full-time development or administration role, MultiValue Central offers professional education designed by experienced consultants and instructors.

Why Learn with MultiValue Central?

- **Industry Experience**: Over 30 years of MultiValue consulting and technical expertise.
- **Hands-on Learning**: Every course combines instructor-led lectures with practical laboratory exercises.
- **Cloud Learning Environment**: No complicated installation required. Students work in a professionally managed cloud environment.
- **Real-World Focus**: Courses are built around the technologies and practices used by organizations running MultiValue applications today.

Please note: This catalog shows the basics of what we offer. We'd love to talk to you about putting together a custom training curriculum that specifically meets your team's needs.

Ready to Get Started?

Whether you're learning MultiValue for the first time or advancing your technical skills, MultiValue Central offers a structured learning path for every stage of your career. Visit us at our website, email us at info@multivaluecentral.com or call us at +1 720 918 1300 x7101.

UVF–001 – UniVerse Fundamentals

BEGINNER

Duration: 1 Week 4 hours per day

Format: Virtual Instructor-Led (On-site if greater than 4 people)

Best for: Students wishing to learn UniVerse Database Fundamentals

Prerequisites: *Students should have some college-level coursework in computer science or a related field and possess basic computer and business or office skills. Prior experience with databases or MultiValue systems is helpful but is not required. The course assumes that students are comfortable working with files, entering and manipulating data, and following technical instructions.*

Course Description:

This course introduces the fundamental concepts and practices of the MultiValue Database using UniVerse by Rocket Software. Students explore the distinctive way MultiValue data is represented and handled in memory and stored on disk, including dynamic arrays, hierarchical delimiters, and the preservation of data without trailing blank spaces. They also develop practical skills in creating and sizing files, defining data through dictionaries, entering and importing data, and producing reports. The course introduces UniVerse tools and commands including ReVise, the File Editor, and paragraph scripting, and provides an introduction to UniVerse BASIC programming. Emphasis is placed on understanding the underlying MultiValue concepts while developing practical skills through hands-on exercises.

UDF–001 – UniData Fundamentals

BEGINNER

Duration: 1 Week 4 hours per day

Format: Virtual Instructor-Led (On-site if greater than 4 people)

Best for: Students wishing to learn UniData Database Fundamentals

Prerequisites: *Students should have some college-level coursework in computer science or a related field and possess basic computer and business or office skills. Prior experience with databases or MultiValue systems is helpful but is not required. The course assumes that students are comfortable working with files, entering and manipulating data, and following technical instructions.*

Course Description:

This course introduces the fundamental concepts and practices of the MultiValue Database using UniData by Rocket Software. Students explore the distinctive way MultiValue data is represented and handled in memory and stored on disk, including dynamic arrays, hierarchical delimiters, and the preservation of data without trailing blank spaces. They also develop practical skills in creating and sizing files, defining data through dictionaries, entering and importing data, and producing reports. The course introduces UniData tools and commands including the File Editor, and paragraph scripting, and provides an introduction to UniData BASIC programming. Emphasis is placed on understanding the underlying MultiValue concepts while developing practical skills through hands-on exercises.

UVB–001 – UniVerse BASIC Programming Introduction
UDB–001 – UniData BASIC Programming Introduction

BEGINNER

Duration: 1 Week 4 hours per day

Format: Virtual Instructor-Led (On-site if greater than 4 people)

Best for: Students wishing to learn the basics of UniVerse / UniData Programming, some programming knowledge required.

Prerequisites: *Students should have basic programming knowledge and an understanding of fundamental computer concepts. Completion of UniVerse Fundamentals (UVF–001)/UniData Fundamentals (UDF-001) or at least six months of practical experience working with a MultiValue database environment is recommended. Familiarity with files, records, dictionaries, and basic TCL/ECL commands will be helpful but is not required for students who have completed UniVerse Fundamentals/UniData Fundamentals.*

Course Description

This course introduces the fundamentals of BASIC programming in a MultiValue database environment using UniVerse/UniData by Rocket Software. Students learn to create, modify, compile, and execute UniVerse/UniData BASIC programs while working directly with MultiValue data. Topics include the UniVerse/UniData command environment, BASIC programming fundamentals, MultiValue data structures, reading and writing database records, dictionaries and conversions, and basic TCL/ECL commands. Emphasis is placed on developing practical programming skills through hands-on exercises and on applying programming standards appropriate to MultiValue application development.

UVB–002 – UniVerse BASIC Programming Intermediate
UDB–002 – UniData BASIC Programming Intermediate

INTERMEDIATE

Duration: 1 Week 6 hours per day

Format: Virtual Instructor-Led (On-site if greater than 4 people)

Best for: Students that want to learn more about the UniVerse / UniData programming language and some advanced techniques.

Prerequisites: *Students should have completed the UniVerse BASIC Programming Beginner course (UVB–001)/ UniData BASIC Programming Beginner course (UDB–001) or have equivalent knowledge and experience with UniVerse/UniData BASIC programming. Approximately three months of software development experience is recommended. Students should be comfortable creating, compiling, and executing BASIC programs and working with MultiValue files, records, dictionaries, and dynamic arrays.*

Course Description

This course builds on the fundamentals of UniVerse/UniData BASIC programming and develops more advanced skills for MultiValue application development using UniVerse/UniData by Rocket Software. Students work with advanced dynamic-array programming, sophisticated file and database operations, SELECT lists and query integration, dictionaries and advanced data retrieval, subroutines, and application architecture. The course also introduces production-oriented programming practices including error handling, defensive programming, and record locking. Emphasis is placed on developing reliable, maintainable UniVerse/UniData BASIC applications through practical programming exercises.

UVB-003 UniVerse BASIC Programming Advanced
UDB-003 UniData BASIC Programming Advanced

EXPERT

Duration: 1 Week 6 hours per day

Format: Virtual Instructor-Led (On-site if greater than 4 people)

Best for: Students that want to learn more about the UniVerse / UniData programming language and some expert techniques.

Prerequisites: *Students should have completed UniVerse BASIC Programming Intermediate (UVB–002)/UniData BASIC Programming Intermediate (UDB–002) or have equivalent knowledge and experience with UniVerse/UniData BASIC programming. At least three months of software development experience is recommended. Students should be comfortable developing, compiling, executing, and debugging UniVerse/UniData BASIC programs and working with MultiValue files, dictionaries, dynamic arrays, and application components.*

Course Description

This course builds on intermediate UniVerse/UniData BASIC programming skills and develops advanced capabilities for MultiValue application development using UniVerse/UniData by Rocket Software. Students work with advanced BASIC language features, performance tuning, debugging and analysis of existing applications, program-to-program communication, transaction processing, and integration with external interfaces. Emphasis is placed on analyzing and improving existing applications, developing reliable and maintainable code, and applying advanced programming techniques through practical exercises.

UVA-001 UniVerse Administrator Beginner
UDA-001 UniData Administrator Beginner

BEGINNER

Duration: 1 Week 6 hours per day

Format: Virtual Instructor-Led (On-site if greater than 4 people)

Best for: DBAs that are new to UniVerse/UniData.

Prerequisites: *Students should have completed UniVerse Fundamentals (UVF–001)/UniData Fundamentals (UDF–001) or have equivalent knowledge of the UniVerse/UniData environment. At least six months of practical experience working with a MultiValue database environment is recommended.*

Course Description

This course introduces the fundamental skills required to administer a MultiValue database environment using UniVerse/UniData by Rocket Software. Students work in a hands-on sandbox environment to administer a sample database and develop practical skills in managing the VOC, files, and dictionaries; using UniVerse/UniData TCL/ECL commands; administering BASIC programs; managing users and security; and performing routine database and system maintenance. The course also introduces job monitoring, identification of performance issues, and techniques for identifying and resolving deadlocked records. Emphasis is placed on developing the practical skills needed to provide day-to-day UniVerse/UniData administration and support.