



MICROSOFT TRAINING

Outsystems Developer Cloud Associate Language Course

Master Outsystems Developer Cloud Associate skills. Build powerful, scalable applications faster.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The OutSystems Developer Cloud Associate Language Course, developed by Microsoft, is an intermediate-level program designed to equip aspiring developers with the foundational skills to build robust, scalable applications using the revolutionary OutSystems low-code platform in a cloud-native environment. This course dives deep into the core language constructs and development paradigm of OutSystems Developer Cloud (ODC), enabling participants to rapidly create, deploy, and manage applications that leverage cloud-native architectures and best practices. You will gain a comprehensive understanding of ODC's visual development environment, data modeling capabilities, logic implementation, and user interface design principles.

Upon completion, you will be proficient in translating business requirements into functional, high-performance applications with remarkable speed and efficiency. The course emphasizes practical application, allowing you to develop critical problem-solving skills inherent in low-code development. Mastering ODC not only accelerates your development lifecycle but also positions you at the forefront of modern application delivery, making you an invaluable asset in organizations striving for digital transformation and agility. This certification unlocks the potential to contribute to complex projects, driving innovation and delivering business value through cutting-edge cloud development.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to OutSystems Developer Cloud (ODC) & Low-Code Fundamentals

- Overview of OutSystems Developer Cloud (ODC) Architecture
- Understanding Low-Code Development Principles and Benefits
- Navigating the ODC Service Studio Interface
- Introduction to Applications, Modules, and Libraries in ODC
- Setting up Your ODC Development Environment

02 Module 2: ODC Language Constructs and Core Logic

- Working with Data Types, Variables, and Constants
- Implementing Conditional Logic: If, Switch, and Case Statements
- Mastering Iteration: For Each Loops and List Processing
- Creating and Reusing Actions (Functions and Procedures)
- Debugging ODC Applications: Breakpoints and Watch Expressions

03 Module 3: Data Modeling and Persistence in ODC

- Designing Entities and Attributes for Data Structures
- Understanding Relationships: One-to-Many and Many-to-Many
- Working with Static Entities and Lookups
- Performing Data Operations: Create, Read, Update, Delete (CRUD)
- Building Optimized Aggregates for Data Retrieval

04 Module 4: User Interface (UI) Development and Interaction

- Designing Responsive Web Screens with ODC Widgets
- Implementing Forms for Data Input and Validation
- Managing Screen Lifecycle Events and User Interactions

- Applying Themes and Styles to Enhance UI/UX
- Creating and Reusing UI Blocks and Templates

05 Module 5: Integrating and Deploying ODC Applications

- Consuming REST and SOAP APIs for External Integrations
- Exposing REST APIs from ODC Applications
- Understanding Solution Management and Application Lifecycle
- Publishing and Deploying Applications to ODC Environments
- Basic Performance Considerations and Best Practices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **OutSystems Low-Code Developer (Cloud Focus)**
- > **Cloud Application Developer specializing in Rapid Development Platforms**
- > **Digital Transformation Specialist utilizing Low-Code Solutions**

FREQUENTLY ASKED QUESTIONS

Q: What specific development skills will I gain that are directly applicable to building enterprise-grade applications with OutSystems Developer Cloud?

This course will equip you with the ability to design data models, implement complex business logic, build dynamic user interfaces, and integrate with external systems using OutSystems Developer Cloud. You'll gain practical experience in rapid application development (RAD) methodologies, cloud-native deployment practices, and efficient debugging techniques, all crucial for delivering enterprise-grade solutions quickly and effectively.

Q: Are there any recommended prerequisites or prior programming knowledge beneficial for this OutSystems Developer Cloud Associate Language Course?

While this course is designed to be accessible to individuals with varying technical backgrounds, a basic understanding of programming concepts (like variables, conditional statements, and loops) and database fundamentals will be beneficial. Familiarity with web application concepts (client-server architecture, HTML/CSS basics) will also aid in a smoother learning experience, though it's not strictly required.

Q: How does completing this Associate Language Course prepare me for advanced OutSystems Developer Cloud certifications or projects?

This Associate Language Course lays the essential groundwork for all subsequent advanced OutSystems Developer Cloud certifications. It provides a strong foundation in ODC's core language, development environment, and best practices. You'll be well-prepared to tackle more complex topics such as advanced integrations, performance tuning, security implementations, and large-scale application architecture, which are typically covered in higher-level certifications and demanding real-world ODC projects.

ABOUT COMPUTER PRIDE

**East Africa's Premier IT Training Center**

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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READY TO ENROL?

Take the next step in your technology career.

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