

IBM Certified watsonx Mainframe Modernization Architect v1 — Associate

OEM: IBM • Duration: 3 Days (24 hrs) • Code: C9007600

COURSE MODULES & TOPICS

Section 1: Watson Code Assistant for Z Overview (15%)

- Understand the needs of modernization
- Explain the skills needed for a successful modernization project
- Understand business value of Watson Code Assistant for Z
- Describe components of Watson Code Assistant for Z
- Understand Modern Application Architecture Patterns
- Understand deployment options for Watson Code Assistant for Z

Section 2: Architecture and Components (17%)

- Distinguish functional and non-functional requirements impacting deployment
- Install and configure Watson Code Assistant for Z components
- Provision required resources for Watson Code Assistant for Z
- Demonstrate Hybrid Cloud integration knowledge

Section 3: Discover and Explain Existing Mainframe Applications (17%)

- Understand Code Explanation capabilities
- Understand Application Discovery capabilities
- Describe the process of using Watson Code Assistant for Z for Explainability
- Describe an application blueprint
- Identify modules and code for modernization
- Operate the Application Discovery component

Section 4: Optimize Mainframe Applications (7%)

- Modify and optimize code utilizing the Code Optimization Advice tool
- Describe Optimization capabilities using Watson Code Assistant for Z

Section 5: Refactor Mainframe Applications into Modular Components (18%)

- Describe use cases for refactoring
- Describe the workflow steps in the refactoring assistant
- Implement code explanation and refactoring capabilities

- Operate the Refactor component

Section 6: Transform COBOL Applications into Java Modules (15%)

- Understand selective mainframe services transformation and interoperability
- Describe the process of Code Rewrite using Watson Code Assistant for Z
- Generate code transformation within Visual Studio Code Extension
- Troubleshoot the Transform component

Section 7: Validate Transformed Code (11%)

- Generate automated tests utilizing Validation Assistant
- Apply validation error fixes for transformed code
- Compare functionality of transformed code with existing service