

Duration: 4 Weeks

Level: Intermediate

Category: Development

Requirement: Containers



# IBM Data Power v10.x Development Training



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# Prerequisites

Having prior knowledge and understanding of following topics is mandatory as it will help you get the most out of this training course.

- Basic understanding of Enterprise Integration Patterns.
- Basic understanding of API related concepts and types of API's.
- Familiarity with different data formats like XML, JSON etc.
- Basic understanding of security related concepts. (Cryptography, TLS etc.)
- Basic understanding of containerization technology and related concepts.
- Familiarity with any modern programming language - Java, C#, Python, JavaScript.
- Version Control Basics - Git & GitHub
- Familiarity with a Relational Database and SQL

# Technology Landscape

Category	Software	
Container Management Platform	Podman or Docker	
Operating System	RedHat Enterprise Linux v9.x	
Development & Testing	Visual Studio Code	Postman
Messaging & Event Steaming	IBM MQ v9.x	Apache Kafka
Version Control	Git	GitHub
Programming Model	XSLT	JavaScript

## Training Objectives

1. Installation of IBM Data Power v10.x
2. Learn about the capabilities of IBM Data Power and common use cases.
  - a. API Gateway
  - b. API Security
  - c. Rate Limit & Threat Protection
  - d. Content Based Routing & Dynamic Backend
  - e. Enterprise Policy Enforcement & Auditing
  - f. Data and Protocol Transformation
  - g. Performance & Data Caching
3. Learn different ways to interact with IBM Data Power Runtime.
4. Learn about different services and their use case.
5. Learn about different Front Side Handlers available in IBM Data Power.
6. Learn about different processing policies within IBM Data Power.
7. Managing Keys and Certificates within IBM Data Power.
8. Securing communications with IBM Data Power.
9. Debugging and exception handling.
10. Learn about XSL Transformation capabilities of IBM Data Power.
11. Learn about Gateway Script (JavaScript) capabilities of IBM Data Power.
12. Learn about AAA Policy - Authentication, Authorization and Audit.
13. Learn about different Cryptographic functions supported by IBM Data Power.
14. Database Integration.
15. IBM MQ v9.x Integration.

Thanks for your interest in IBM Data Power v10.x Development course

git clone <https://github.com/ishahzad/ibm-datapower-training.git>



**Irfan Shahzad**  
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Passionate IBM and Spring Solution & Integration Architect with more than 13 years of experience in developing scalable enterprise applications and integrations

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3 contributions in the last year

Contribution settings

2025