



IBM TRAINING

Accelerate Secure Integrate Ibm Datapower

*Master IBM DataPower to accelerate, secure, and integrate your enterprise services efficiently.
Gain skills to deploy robust and secure API gateways.*

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The "Accelerate Secure Integrate IBM DataPower" course is meticulously designed for IT professionals aiming to master the robust capabilities of the IBM DataPower Gateway, a purpose-built hardware and virtual appliance renowned for its ability to secure, integrate, and optimize critical workloads. This intensive program delves into the core functionalities of DataPower, including its pivotal role in API security, advanced threat protection, and seamless enterprise integration across diverse protocols. Participants will gain hands-on experience configuring and managing DataPower services to establish a secure, high-performing, and scalable integration layer for their enterprise applications and APIs. This course covers essential aspects like service virtualization, XML/JSON processing, message transformation, and comprehensive security policies including authentication, authorization, and encryption. It also explores operational best practices, high availability, and disaster recovery strategies, ensuring that professionals can not only deploy but also maintain resilient DataPower environments. By the end of this training, you will be equipped to architect, implement, and administer secure and efficient integration solutions using IBM DataPower, significantly enhancing your organization's digital transformation journey.

Level	Intermediate
Vendor	IBM

COURSE CURRICULUM

01 Module 1: IBM DataPower Gateway Fundamentals

- DataPower architecture and deployment models
- Understanding DataPower domains and services
- Initial device configuration and basic administration tasks
- Introduction to the WebGUI and CLI
- Core use cases for DataPower in modern enterprises

02 Module 2: Securing APIs and Web Services

- Implementing API Gateway services
- Configuring Authentication, Authorization, and Auditing (AAA) policies
- Managing SSL/TLS profiles and digital certificates
- Applying advanced threat protection policies
- XML/JSON security (signature, encryption, schema validation)

03 Module 3: Enterprise Integration Patterns and Transformations

- Configuring Web Service Proxy (WSP) for SOAP services
- Utilizing Multi-Protocol Gateway (MPG) for flexible integrations
- RESTful API management and routing
- Integrating with Message Queues (MQ) and file systems
- Data transformation techniques using XSLT and GatewayScript

04 Module 4: Advanced DataPower Features and Operations

- Service Level Monitoring (SLM) and logging strategies
- Implementing High Availability and Disaster Recovery (HA/DR)
- Workload management and performance optimization
- Scripting and automation for DataPower administration
- Troubleshooting and debugging DataPower services

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **API Security Architect**
- > **Enterprise Integration Specialist**
- > **IBM DataPower Administrator/Developer**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or experience is recommended to maximize my learning in the "Accelerate Secure Integrate IBM DataPower" course?

This intermediate-level course assumes participants have a solid understanding of basic networking concepts, web services (SOAP/REST), XML and JSON data formats, and fundamental security principles (like SSL/TLS and authentication). Familiarity with command-line interfaces and basic enterprise integration patterns would also be beneficial for a smoother learning experience and to fully leverage the hands-on labs.

Q: Beyond theoretical understanding, what practical, hands-on skills will I acquire that are directly applicable in a professional environment?

You will gain practical, directly applicable skills in configuring and deploying secure API gateways, implementing robust AAA policies for various protocols, developing and applying advanced threat protection measures, and utilizing DataPower for complex message transformations. You'll also learn to effectively monitor, troubleshoot, and optimize DataPower services for high performance and availability, directly preparing you for real-world integration and security challenges.

Q: How does achieving proficiency in IBM DataPower, as taught in this course, enhance my career prospects in the rapidly evolving IT landscape?

Mastering IBM DataPower positions you as a critical asset in roles centered around enterprise integration, API management, and cybersecurity. The skills acquired are highly sought after by organizations leveraging APIs and microservices, allowing you to secure vital business services, accelerate digital transformation initiatives, and contribute to robust, compliant IT architectures. This expertise opens doors to specialized roles such as API Security Architect, Enterprise Integration Specialist, or DataPower Administrator, significantly boosting your marketability and career growth potential.

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+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke