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Essentials of Service Development for IBM DataPower Gateway V7.5

CODE:	DURÉE:	PRIX H.T.:
WE751G	24 Hours (3 Jours)	€2,380.00

Description

This course teaches you the essential skills that are required to configure, implement, and troubleshoot services that are developed on the IBM DataPower Gateways (IDG) with firmware version 7.5.0, regardless of use case.

The DataPower Gateways allow an enterprise to simplify, accelerate, and enhance the security capabilities of its XML and web services deployments, and extend the capabilities of its service-oriented architecture (SOA) infrastructure. The gateways also extend these capabilities into the JSON, REST, and Mobile application areas.

Through a combination of instructor-led lectures and hands-on lab exercises, you learn how to develop and debug services that are implemented on the DataPower gateways. These skills include WebGUI and Blueprint Console navigation, service type selection, basic multi-protocol gateway configuration, creating and using cryptographic objects, and configuring SSL connections. You also learn how to use various problem determination tools such as logs, monitors, and probes, and techniques for testing DataPower services and handling errors.

Hands-on exercises give you experience working directly with a DataPower Gateway. The exercises focus on skills such as creating multi-protocol gateways, working with cryptographic and SSL objects, configuring service level monitoring, troubleshooting services, handling errors in a service policy, and deploying a service from a pattern.

For information about other related courses, see the IBM Training website: http://www,ibm.com/training

Objectifs

After completing this course, you should be able to:

- Describe how DataPower gateways are configured
- Create and configure cryptographic objects
- Configure Secure Sockets Layer (SSL) to and from DataPower gateways
- Configure a multi-protocol gateway (MPGW) to handle multiple protocols from a single service
- Configure a service level monitoring (SLM) policy to control message traffic
- Use logs and probes to troubleshoot services
- Use patterns to define and deploy new services
- Configure message transformation and routing by using style sheets (XSL) and GatewayScripts
- Handle errors in service policies

Audience

This course is designed for integration developers who configure service policies on IBM DataPower Gateways.

Prérequis

Before taking this course, you should successfully complete course VW750, *Technical Introduction to IBM DataPower Gateway Appliance V7.5.0*. This free webcast is available at *https://youtu.be/yYk5Bzuie4g* or *https://mediacenter.ibm.com/media/t/1_fb2tsml1*. You should also be familiar with:

- Security-based concepts and protocols
- XML-related technologies such as XML schema, XPath, and XSLT
- JavaScript programming
- Web service and REST basics

Programme

Course introduction
Quick introduction to developing on DataPower
Exercise: First exposure to the DataPower developer environment
Services overview
Structure of a service
Exercise: Creating a BookingService gateway
Multi-protocol gateway service
Problem determination tools
Exercise: Enhancing the BookingService gateway
Handling errors in a service policy
Exercise: Adding error handling to a service policy
DataPower cryptographic tools and SSL setup
Exercise: Creating cryptographic objects and configuring SSL
Service level monitoring
Exercise: Implementing a service level monitor in a multi-protocol gateway
Patterns for service configuration
Exercise: Using a DataPower pattern to deploy a service
Course summary

Dates de session

Sur demande. Merci de nous contacter

**Informations
Complémentaires**

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.