

Administration of IBM WebSphere DataPower Gateway v7

(4 Days)

In this course, you learn how to perform system administration tasks for the IBM WebSphere DataPower Gateway Appliances.

Skills Gained

- Configure an appliance for its initial deployment
 - Download and upgrade the firmware on the DataPower appliances
 - Create and manage user accounts, groups, and domains
 - Configure Secure Sockets Layer (SSL) to and from DataPower Appliances
 - Manage the migration of service configurations
 - Ensure high availability of DataPower appliances by using load balancer groups, clustering, Intelligent Load Distribution, self-balancing, the On Demand Router, VLANs, and link aggregation
 - Manage appliances, domains, and services by using the WebSphere Appliance Management Center
 - Troubleshoot and debug services by using the problem determination tools, logs, and probes that are provided with the DataPower appliance
 - Configure logging of messages to external locations
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 - Configure logging of messages to external locations

Who Can Benefit

This intermediate course is designed for administrators who install, manage, and monitor IBM WebSphere DataPower Gateway Appliances. The course is also relevant for developers who administer appliances.

Prerequisites

You should successfully complete *Technical Introduction to IBM WebSphere DataPower Gateway Appliances V7 (VW700G)*.

You should also be familiar with:

- Security-based concepts **and** protocols
 - XML-related technologies such as XML schema, XPath, **and** XSLT
 - Networking protocols
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- Technical Introduction to IBM WebSphere DataPower Gateway Appliances V7 (VW700)
 - Security-based concepts and protocols
 - XML-related technologies such as XML schema, XPath, and XSLT
 - Networking protocols

Course Outline

- Course introduction
- Initial setup
- Managing firmware
- Exercise: Upgrading image firmware
- DataPower administration overview
- Using CLI and the XML Management Interface to configure appliance access
- Exercise: Using the CLI and the XML Management Interface to manage DataPower appliances
- DataPower services overview
- Using the WebGUI and Blueprint console to configure appliance access
- Network resiliency: clustering, failover, and virtual networking
- Troubleshooting
- Exercise: Using the troubleshooting tools to debug errors
- DataPower cryptographic tools and SSL setup
- Exercise: Securing connections with SSL
- DataPower caching
- Configuration migration
- Exercise: Managing configuration information
- Appliance management tools
- Exercise: Using the WebSphere Appliance Management Center
- Logging and log targets
- Exercise: Logging to an external system
- Course summary