IBM Administration of IBM DataPower Gateway V7.6 (WE761G)

Course Content

Course Description:

IBM DataPower Gateway Appliances are network devices that help secure, integrate, and optimize access to web, web services, mobile, and API workloads. Through instructor-led lectures and hands-on lab exercises, you learn how to run various administrative procedures, from initial installation and setup through ongoing maintenance of the appliances in production. You learn about the available management interfaces, such as the command-line interface (CLI), Web Management graphical interface, and XML Management Interface. You also learn how to use these interfaces to run various administrative tasks, such as upgrading firmware, running backup and restore operations, and configuring user accounts and domains. The course includes some information on upgrading firmware and working with DataPower hardware appliances.

This course exercises uses the following appliances:

- DataPower Gateway Virtual Edition

Information in the course units also applies to other DataPower appliances.

The lab environment for this course uses the Ubuntu Linux Operating System on an ESX image that runs on the IBM Remote Lab Platform.

Course Objectives:

Upon completion of this course you will:

- 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
- 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

Target Audience

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

Prerequisites:

Before taking this course, make sure that you have the following skills:

- Successful completion of Digital Technical Enablement material for IBM DataPower at https://ibm-dte.mybluemix.net/datapower-gateway
- Security-based concepts and protocols
- Ubuntu Linux

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Course ID #: 0370-761-7.6-W

Hours: 21

Topics:

Course introduction

DataPower deployment environments

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 Web Management Blueprint Console to configure appliance access

Troubleshooting

Exercise: Using the troubleshooting tools to debug errors

DataPower cryptographic tools and SSL setup

Exercise: Securing connections with SSL

Logging and log targets

Exercise: Logging to an external system

Course summary