IBM DataPower Gateway
Implementer skills for IBM DataPower Gateway

Role
The DataPower implementer performs the configuration of the DataPower patterns and services. DataPower patterns, starting from v6, include the creation, deployment, and endpoint configuration. The services include the multi-protocol gateway, web service proxy, XML firewall, and web accelerator firewall. Some of the service configuration functionality includes the use of XML acceleration and threat protection, web service virtualization, web services security, integrating with IBM WebSphere MQ and WebSphere Java Message Service (JMS), and authentication, authorization, and auditing (AAA). To assist with service creation, the implementer uses various problem determination tools such as logs, monitors, and probes, as well as techniques for testing DataPower services and handling errors.

The implementer is generally self-sufficient and able to perform most of the tasks involved in the role with limited assistance from peers, production documentation, and vendor support services.

1 Technical Introduction
Objectives
After completing this training, students should be able to:
- Discuss the benefits of a purpose-built appliance solution
- List the core models of the DataPower appliance family
- Discuss the characteristics of the various appliance form factors
- Describe the typical use cases where DataPower appliances are used

Technical Introduction to WebSphere DataPower V6
VW600
Web-based training (0.3 day)

Technical Introduction to WebSphere DataPower V7
VW700
Web-based training (0.3 day)

Technical Introduction to WebSphere DataPower V5
VW406
Web-based training (0.5 day)

2 DataPower implementer skills
Objectives
After completing this training, students should be able to:
- Describe how WebSphere DataPower SOA Appliances are configured, including the role of XSL Transformations (XSLT)
- Configure a DataPower service to protect against a new class of XML-based threats
- Create a web service proxy to virtualize web service applications
- Implement web services security
- Create and configure cryptographic objects
- Configure Secure Sockets Layer (SSL) to and from WebSphere DataPower SOA Appliances
- Configure a multi-protocol gateway (MPGW) to handle multiple protocols for a single service
- Configure a service level monitoring (SLM) policy to handle service processing violations
- Enforce service level policies to manage traffic to and from WebSphere DataPower SOA Appliances
- Configure support for IBM WebSphere MQ and WebSphere Java Message Service (JMS)
- Use logs and probes to troubleshoot services
- Handle errors in service policies using Error Rules and Error Actions, or by using an Error Policy
- Configure and deploy DataPower Patterns in WE601 and WE701
- Describe DataPowers implementation of OAuth (2-legged and 3-legged, in WE601, WE701 and WE703
- Integrate services with web services based on Representational State Transfer (REST) in WE601, WE701 and WE703
- Integrate DataPower services with mobile services based on JavaScript Object Notation (JSON) in WE601, WE701 and WE703

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What version?

V5

Accelerate, Secure and Integrate with WebSphere DataPower V5
WE401
Classroom (5 days)
ZE401
Self-paced virtual (varies)

V6

Secure, Control, and Integrate with IBM DataPower V6
WE601
Classroom (5 days)
ZE601
Self-paced Virtual (varies)

V7 (latest)

What kind of solutions are you building?

Web

XML and Web Services Solutions with IBM DataPower Gateway V7
WE702
Classroom (days)

Mobile

Application, Secure and Integrate with WebSphere DataPower V7.0 Web Gateway
WE701
Classroom (5 days)

REST and OAuth Solutions with IBM DataPower Gateway V7
WE703
Classroom (1 day)

Web & Mobile

Supplemental resources
a IBM WebSphere DataPower Knowledge Center (all versions)
b IBM DataPower Web Page (support, technotes, doc)
c IBM developerWorks DataPower Discussion Area
d IBM Redbooks: IBM WebSphere DataPower
e IBM WebSphere DataPower SOA Appliance Handbook
f YouTube – DataPower channel
g DataPower Podcasts