

# DATAPOWER Dev

## DETAILED COURSE CONTENT

*Duration: 25-30 Hours*



# Day1

- ▶ Introduction to DataPower
- ▶ Advantages of DataPower
- ▶ Types DataPower Appliance & Uses

## Day2

- ▶ Introduction to DataPower WebGUI
- ▶ Services
- ▶ Monitoring & Troubleshooting
- ▶ Files & Administration

## Day3

- ▶ Installation of DataPower VM
- ▶ Domains & User Accounts

# Module4

- ▶ Processing policy
- ▶ Processing rule
- ▶ Client to server rule
- ▶ Server to client rule
- ▶ Both directions
- ▶ Error rule
- ▶ Types of Backend
- ▶ Loop Back

- ▶ Static backend
- ▶ Dynamic BackEnd
- ▶ Create a sample service in Xml Firewall as loopback using add wizard add advanced options
- ▶ Importance of device address(0.0.0.0)
- ▶ Show probe
- ▶ Syslogs

## Day5

- ▶ MPG
- ▶ Difference between MPG & XML Firewall
- ▶ Create a sample service in MPG using below backend types
- ▶ Static backend
- ▶ Dynamic backend

## Day 6 & 7

- ▶ Actions
- ▶ Transform Action
- ▶ Routing
- ▶ Extract Using Xpath Action
- ▶ Validate
- ▶ Call Processing rule
- ▶ Convert Query Params to XML
- ▶ Cryptography



- ▶ Crypto tools
- ▶ Encrypt
- ▶ Decrypt
- ▶ Sign
- ▶ Verify

# Day8

- ▶ AAAAction
- ▶ DataPower Variables & Scope
- ▶ Local variables
- ▶ Context variables
- ▶ Service Variables
- ▶ System Variables

## Day9

- ▶ WSDL
- ▶ Difference between WSP & MPG
- ▶ Create a sample service in Web Service Proxy(WSP)

# Day 10

- ▶ Error handling
- ▶ Error rule
- ▶ Order Of Rules Execution

# Day 11

- ▶ SSL
- ▶ SSL Proxy Profile
- ▶ Crypto profile
- ▶ Crypto identification Credentials
- ▶ Crypto Validation Credentials
- ▶ Crypto Certificate
- ▶ Crypto key

## Day 12

- ▶ DataPower Integration with DataBase
- ▶ SQL Data Source
- ▶ SQL Action:
- ▶ `dp:sq-execute()`
- ▶ DataPower Integration with MQ
- ▶ MQ Queue Manager
- ▶ MQ Front Side Handle
- ▶ DataPower Integration with IIB

## Day 13

- ▶ Log Target
- ▶ DataPower Extension elements and functions like `accept`, `reject`, `url-open` etc..

## Day 14

- ▶ XML Management Interface
- ▶ SOMA Scripts



# THANKS!

For more details, you can contact us



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