

Quick Start Guide

This guide helps you get started with WebSphere DataPower Virtual Edition.

Product overview

The image to deploy DataPower® Virtual Edition is a self-contained virtual machine image that is provided by IBM® and contains the virtual appliance software. The nonproduction edition is for test and development purposes only.

1 Step 1: Access the software



After you download the package from IBM Passport Advantage®, it includes the following components:

- The image to deploy the DataPower virtual appliance
- The Resource Kit for IBM WebSphere® DataPower Virtual Edition
- This PDF document

2 Step 2: Evaluate the hardware and system configuration



The machine that runs the VMware hypervisor must meet specific hardware requirements. The VMware hypervisor must meet resource requirements to host the virtual appliance in different environments.

You must have one of the following VMware versions to deploy on a stand-alone hypervisor:

- VMware ESX or ESXi Version 4.0 Update 2 or Version 4.1
- VMware vSphere Version 5.0 or Version 5.1 editions: Standard, Enterprise, or Enterprise Plus

You must have one of the following cloud management platforms to deploy on a hypervisor in a managed cloud:

- IBM PureApplication™ System W1500 Version 1.1
- IBM Workload Deployer Version 3.1 with x86 hardware that supports VMware ESX or ESXi. Deployment requires APAR IC92350.

The machine that runs the hypervisor must meet the following hardware requirements:

- 64-bit x86 CPU
- Processor with LAHF or SAHF support in long mode
- 2.0 GHz or faster core speed
- One of the following processors that supports 64-bit guests:
 - An AMD CPU with segment-limit support in long mode
 - An Intel CPU with VT-x support, which includes the BIOS support for it

The guest virtual machine requires a minimum of 4 virtual CPUs and 4-GB RAM to deploy a DataPower virtual appliance. The maximum CPU count that VMware ESX and ESXi 4.0 can allocate to a virtual appliance is 8.

The hypervisor must meet the minimum disk space requirements for hosting a DataPower virtual appliance:

- To deploy to a stand-alone hypervisor, the following minimum disk space is required:
 - 32 GB for thick disk format.
 - 258.6 MB for thin disk format. More disk space is required as you write data to the appliance.
- To deploy on a hypervisor in IBM PureApplication System or IBM Workload Deployer, prepare 32-GB of disk space.

3 Step 3: Deploy a DataPower virtual environment



Use the appropriate OVA file to deploy the virtual environment. IBM provides one OVA file for each edition. The OVA file has the following formats, where *product* is the model: *xg* or *xi*:

- Production editions: *product6000.vmware.ova*
- Nonproduction editions: *product6000.vmware_nonpd.ova*

To deploy on a stand-alone hypervisor:

1. In the VMware vSphere Client, deploy the OVA image to create a DataPower virtual appliance on the hypervisor.
2. Power on the virtual appliance.
3. Configure the CPU, memory, and RAID of the virtual appliance.
4. Use the VMware vSphere Client Console to initialize the virtual appliance.

To deploy in IBM PureApplication System or IBM Workload Deployer:

1. Import the OVA image to the catalog.
2. Create a virtual system pattern that contains the DataPower virtual appliance as a part of the deployment topology.
3. Deploy the virtual system pattern.

4 Step 4: Get started



When your virtual appliance is on a stand-alone hypervisor, complete the following steps:

1. Access the WebGUI through the URL that you defined when you initialized the Web Management Service. During initialization, you defined the system identifier.
2. Accept the license agreements.

When your virtual appliance is managed by IBM PureApplication System or IBM Workload Deployer, access the WebGUI through `https://ip_address:port`.

- The IP address is assigned by IBM PureApplication System or IBM Workload Deployer. To find the IP address, expand the virtual machine details and browse to the **Hardware and network** section.
 - In IBM PureApplication System, the IP address is for network interface 1.
 - In IBM Workload Deployer, the IP address is for network interface 0.
- You define the port when you edit the pattern properties or when you deploy the pattern and edit its predefined properties.

5 Step 5: Manage optional features



For production editions, purchase optional features on IBM Passport Advantage. When you purchase a feature, you receive a package with its activation tool.

For nonproduction editions, disable optional features that you do not need with the disablement tool. This tool is available at no cost on IBM Fix Central.

More information



For more information, see the DataPower Service Gateway (XG) or DataPower Integration Appliance (XI) information center.

- XG: <http://pic.dhe.ibm.com/infocenter/wsdatap/v6r0m0/topic/com.ibm.dp.xg.doc/welcome.html>
- XI: <http://pic.dhe.ibm.com/infocenter/wsdatap/v6r0m0/topic/com.ibm.dp.xi.doc/welcome.html>

