

Quick Start Guide

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

Product overview

Two Debian packages are required to deploy the virtual appliance on a cloud platform. The nonproduction and developers edition are for test and development purposes only.

1 Step 1: Access the software



Download the package from IBM® Passport Advantage®. It includes the following components:

- The Debian packages to deploy the DataPower® Gateway.
- The Resource Kit.
- This PDF document.

2 Step 2: Evaluate the hardware and system configuration



The DataPower Gateway is supported on a 64-bit Ubuntu 14.04 LTS on IBM SoftLayer® virtual server, Amazon EC2 (Elastic Cloud Compute), or Microsoft Azure.

To deploy the Debian packages, certain system requirements must be met.

- The operating system is running the 64-bit Ubuntu 14.04 LTS.
- The absolute minimal configuration is two virtual processors (vCPU) and 4 GB RAM.
- 2 GiB of free storage must be available on /opt.
- 17 GiB of free storage must be available on /var.
- RAID storage must be unpartitioned and must appear as /dev/xvdc or /dev/sdc.

3 Step 3: Prepare to deploy a DataPower virtual appliance



For IBM SoftLayer virtual server, Amazon EC2, and Microsoft Azure, the DataPower Gateway is an application that runs on Ubuntu. The deployment requires two Debian packages: the common package and a package specific to the Virtual Edition product.

- `xxx.common_amd64.deb`

You must install this package.

- `xxx.image_amd64.deb`

You must install one of the following packages. IBM provides one Debian package for each Virtual Edition product.

- `xxx.prod.image_amd64.deb` is the production package.
- `xxx.nonprod.image_amd64.deb` is the nonproduction package.
- `xxx.dev.image_amd64.deb` is the developers edition package.

- `xxx.kernel-build-tool_amd64.deb`

Required only when the DataPower Gateway supports standby control in self-balancing mode, often only used on a support system.

4 Step 4: Deploy the DataPower virtual appliance



To deploy the virtual appliance, complete the following steps.

1. Log in to Ubuntu as root.
2. Transfer the `xxx.common_amd64.deb` and `xxx.image_amd64.deb` files to a target directory on Ubuntu.
3. Use the **dpkg** command to deploy the Debian packages.

```
dpkg -i /full_path/xxx.common_amd64.deb /full_path/xxx.image_amd64.deb
```

4. If you receive an error message about missing dependencies, fix with the **apt-get** command.

```
apt-get -f install
```

The DataPower Gateway starts automatically. Access the appliance with a Telnet connection to localhost on port 2200. The initial start process takes approximately 5 minutes.

5 Step 5: Get started



After the appliance is initialized, you must configure the web management service to access the DataPower WebGUI and accept the license agreement.

To initialize the virtual appliance, complete the following steps:

1. At the **Login:** prompt, enter `admin`. `admin` is the name of a local user account. The owner of this account is a superuser.
2. At the **Password:** prompt, enter `admin`. `admin` is the default password for the `admin` account. The script prompts you later to change this password.
3. Follow the prompts to enable the appropriate operational modes.
4. Configure the DataPower web management interface to access the WebGUI and accept the license agreement. The command configures the web management interface on port 9090. The IP address is the address for `eth0` that you received from the cloud provider.

```
# configure terminal
# web-mgmt
# admin-state enabled
# local-address eth0_ipv4_1
# exit
```

5. Access the WebGUI to accept the license agreement. The address to access the web management interface uses the HTTPS protocol and has the `https://address:port` format.
6. Accept the license agreement.

6 Step 6: Manage modules



For production editions, purchase modules on IBM Passport Advantage. When you purchase a module, you receive a package with its activation tool and installation instructions.

For nonproduction and developer editions, disable modules 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 IBM DataPower Gateways documentation in IBM Knowledge Center at <http://ibm.com/support/knowledgecenter/SS9H2Y>.

