

Quick Start Guide

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

Product overview

The virtual DataPower® Gateway runs as an application on Ubuntu or RHEL when installed on a cloud platform. Two Debian or RPM packages are required to install the virtual DataPower Gateway on the 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:

- Packages to install the DataPower Gateway.
 - To run the DataPower Gateway as an application on Ubuntu hosted on IBM SoftLayer® virtual server, Amazon EC2 (Elastic Cloud Compute), or Microsoft Azure, the Debian packages.
 - To run the DataPower Gateway as an application on RHEL hosted on IBM SoftLayer virtual server or Amazon EC2, the RPM packages.
- The Resource Kit.
- This PDF document.

2 Step 2: Evaluate the hardware and system configuration



To install the virtual DataPower Gateway, certain system requirements must be met.

- The operating system is running the 64-bit Ubuntu 14.04 LTS or a 64-bit RHEL Version 7, update 1 or later.
- 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.
- At least two free loop devices are required, with an extra loop device if RAID storage is used.
- RAID storage, if used, must be unpartitioned and must be configured in datapower.conf.

3 Step 3: Prepare to install the virtual DataPower Gateway



Depending on the operation system to install the DataPower Gateway on, the installation requires two Debian or RPM packages: the common package and a package specific to the Virtual Edition product.

- `xxx.common_amd64.deb` or `xxx.common.rpm`

You must install this package.

- `xxx.image_amd64.deb` or `xxx.image.rpm`

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

- `xxx.prod.image_amd64.deb` or `xxx.prod.image.rpm` is the production package.
- `xxx.nonprod.image_amd64.deb` or `xxx.nonprod.image.rpm` is the nonproduction package.
- `xxx.dev.image_amd64.deb` or `xxx.dev.image.rpm` is the developers edition package.
- `xxx.kernel-build-tool_amd64.deb` or `xxx.kernel-build-tool.rpm`

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

4 Step 4: Install the virtual DataPower Gateway



On Ubuntu

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 -i /full_path/xxx.common_amd64.deb /full_path/xxx.image_amd64.deb`** command to install the Debian packages.
4. If you receive an error message about missing dependencies, fix with the **`apt-get -f install`** command.

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

On RHEL

1. Log in to RHEL as root.
2. Transfer the `xxx.common.rpm` and `xxx.image.rpm` files to a target directory on RHEL.
3. Use the **`yum install xxx.image.rpm xxx.common.rpm`** command to install the RPM packages.
4. Use the **`systemctl start datapower`** to start the virtual DataPower Gateway. The initial start process takes approximately 5 minutes.
5. Use the **`telnet 0 2200`** command to access the DataPower Gateway with a Telnet connection to `localhost` on port 2200.

5 Step 5: Get started



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

To initialize the virtual DataPower Gateway, 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 GUI 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 GUI 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>.

