

Quick Start Guide

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

Product overview

The DataPower® Gateway Virtual Edition runs as an application on Ubuntu or RHEL. Two Debian or RPM packages are required to install the DataPower Gateway. The nonproduction and developers products are for only test and development purposes.

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.x86_64.rpm`

You must install this package.

- `xxx.image_amd64.deb` or `xxx.image.x86_64.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.x86_64.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.x86_64.rpm` is the developers package.

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, use the Debian packages.
 - To run the DataPower Gateway as an application on RHEL, use the RPM packages.
- The Resource Kit.
- This PDF document.

2 Step 2: Evaluate the hardware and system configuration



To install the DataPower Gateway, the following system requirements must be met:

- Review the system requirements at <http://www.ibm.com/support/docview.wss?uid=swg27040227> and ensure that the host is running a supported version of Ubuntu or RHEL.
- The absolute minimal configuration is two virtual processors (vCPU) and 4 GB RAM.
- 2 GiB of free storage must be available on `/opt`.
- 5 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 configured in `datapower.conf` file.

3 Step 3: Install the 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.x86_64.rpm` and `xxx.image.x86_64.rpm` files to a target directory on RHEL.
3. Use the **`yum install xxx.image.x86_64.rpm xxx.common.x86_64.rpm`** command to install the RPM packages.
4. Use the **`systemctl start datapower`** to start the 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.

4 Step 4: 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 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 of the Linux host.

```
# 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.

5 Step 5: Manage modules



For production, 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 developers, 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>.

