

Quick Start Guide

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

Product overview

The image to deploy a virtual appliance on Citrix XenServer includes an installation script to deploy the appliance and create the guest. The nonproduction edition is for test and development purposes only.

1 Step 1: Access the software



IBM® provides one virtual hard drive (VHD) image file for each edition. The file is in tape archive format.

- Production edition: `xxx.xen.vhd.tar`
- Nonproduction edition: `xxx.xen_nonpd.vhd.tar`

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

- A compressed virtual hard drive image file that is packaged with an installation script.
- The Resource Kit.
- This PDF document.

2 Step 2: Evaluate the hardware and system configuration



The virtual appliance is supported on Citrix XenServer running stand-alone or managed on IBM SoftLayer. Means to modify resources of the virtual appliance are available in the XenCenter GUI and CLI after deployment.

To host the virtual appliance on a hypervisor, you must provision adequate resources for any configured DataPower® services. The minimum resource allocation for each virtual appliance follows. Observe that GiB represents a base 2 definition of Gigabyte.

- 4 virtual processors (vCPU)
- 4 GiB RAM
- Disk space of 32 GB

3 Step 3: Prepare to deploy a DataPower virtual appliance



The DataPower VHD image file package is a `.tar` archive. Within the image file package, the compressed DataPower appliance image has the `.vhd.gz` file extension. Deploying the appliance with **xe** commands requires the included the `dpxenmgmt.sh` script.

To prepare for deployment on a Citrix XenServer hypervisor with **xe** CLI:

1. Download and unpack the `.tar` image file.
2. Log in to the XenServer Control Domain (Dom0) as root user by opening the XenCenter **Console** or with SSH.
3. Transfer the `xxx.vhd.gz` file to a network share that is visible to the XenServer root user.
4. Transfer the `dpxenmgmt.sh` script to the home directory of the root user.
5. Determine the network bridge name of your XenServer resource by entering the **xe** command **xe network-list**.

4 Step 4: Deploy a DataPower virtual appliance



The XenCenter GUI can be used to import and deploy the appliance. This method takes several hours because the `xxx.vhd.gz` image file must be imported in its 16 GB decompressed form.

To deploy on a Citrix XenServer hypervisor with the **xe** CLI:

1. Enter the example script commands. Observe that GiB represents a base 2 definition of Gigabyte.
 - This example deploys the default 8 vCPU, 8 GiB RAM, creates a RAID disk with the default size of 1 GiB, and starts the appliance:

```
dpxenmgmt.sh import-appliance --vm-name-label 'vm_name'--input-file 'path/image.vhd[.gz]'  
--network-bridge 'network_bridge_name' --create-raid-disk --start-vm
```

5 Step 5: Get started



After the virtual appliance is deployed and powered on, it must be initialized from the CLI. 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:

- From the **xe** CLI in the XenCenter GUI:
 1. Select the virtual appliance from the resources pane.
 2. Select the **Console** tab. The CLI shows deployment progress and finishes with a prompt to log in to the appliance.
 3. Log in to the DataPower appliance by entering `admin` as both the user name and password.
 4. The virtual appliance can now be administered and the web management service is initialized.
- From the **xe** CLI in an SSH session:
 1. The `--start-vm` option included with the **import-appliance** script command starts the appliance after deployment completes.
 2. The CLI shows deployment progress and finishes with a prompt to log in to the appliance.
 3. Log in to the DataPower appliance by entering `admin` as both the user name and password.
 4. The virtual appliance can now be administered and the web management service is initialized.

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 IBM DataPower Gateways documentation in IBM Knowledge Center at <http://ibm.com/support/knowledgecenter/SS9H2Y>.

