

## README first

Welcome to the IBM® InfoSphere® BigInsights™ Quick Start Edition, v2.1.

### Introduction

This Quick Start Edition uses a non-warranted program license, and is not for production use.

The purpose of the Quick Start Edition is for experimenting with the features of InfoSphere BigInsights, while being able to use real data and run real applications. The Quick Start Edition puts no data limit on the cluster and there is no time limit on the license.

### Prerequisites

Before you download, ensure that your system meets the minimum requirements:

- A minimum of 2 CPUs for the VM image, but 4 CPUs are recommended.
- A minimum of 4 GB of RAM for the VM image, but 8 GB of RAM is recommended.
- A minimum of 30 GB of free space on the hard disk.
- Changing some VM image settings:

Depending on the hardware and the host of the VM image, you can allocate additional processors and memory for better performance. You can change the settings in the VM Player before you start the VM image. If you do change the settings, change your directory to `$BIGINSIGHTS_HOME/bin` and run **synccnf.sh**, so that BigInsights recognizes your new configuration. Then, click the **Stop BigInsights** icon and then click **Start BigInsights**.

- This VM image requires a virtualization product that can support a 64-bit guest operating system. Ensure that virtualization is enabled for your operating system.

For Windows operating systems, you might need to update the BIOS to enable virtualization. Read the BIOS configuration documentation for your particular operating system. The following are general guidelines:

1. Shutdown, then reboot your system.
2. Access the BIOS of your system before it completely reboots.
3. In the Configuration section, click CPU. Enable both of the virtualization settings: Virtualization Technology and VT-d.
4. Save the setting.
5. In the Configuration section, click Intel AMT and make sure that it is also enabled.  
The Console Type should be VT100+.
6. Save and exit. The system continues to reboot. Then, Shut down, and Restart.

- Supported operating systems:
  - Apple Mac- 64-bit
  - Linux - 64-bit
  - Windows 7 - 64-bit
- Recommended Virtual machine players:
  - VMware Workstation 9.0+
  - VMware Player 5.0 +

## Starting IBM InfoSphere BigInsights Quick Start Edition, v2.1

Here are the steps to start the VM image of Quick Start Edition, v2.1. In these steps, you will be asked for a user name and a password on two separate screens. Use the following table as a reference:

Table 1. User names and Passwords

When to use	Username	Password
Log in from the command-line to accept the licenses	root	password
Log in from the Linux Redhat Desktop to access the BigInsights desktop	biadmin	biadmin

1. Download the VM image to your local file system.
2. Extract the BIQuickStartVM2.1.tar.gz and then the BIQuickStartVM2.1.tar files.
3. When the extraction of BIQuickStartVM2.1.tar completes, open the BIQuickStartVM2.1 folder to make sure that you have the RHEL55-64.vmx file.
4. Open the image in the VM player of your choice.

**Note:** In some VM Players, you might need to do further configuration. Do that by clicking the **Edit virtual machine** setting or the appropriate interface controls in the VM Player that you use.

Do one of the following steps:

- a. Double-click the \*.vmx file. It opens in the VM Player.
  - b. Open the image from the VM Player.
5. After the VM Player completes its start-up procedures, you see a user login request:

bivm login:

Type root and click **Enter**.

6. Then, you are prompted for the password:

Password

Type password and click **Enter**.

7. From the first screen, you can select your language. The default is English (USA). If the default is acceptable, press **F12** to open the next screen.
8. The next four screens are to ensure that you understand the license agreements. Click enter while the text, **I understand** is highlighted for each screen:
  - Linux Distribution Statement
  - Red Hat License Agreement
  - VMware Tools License Agreement
  - BigInsights License Agreement
9. The final License Agreement screen shows the acceptance for each of the licenses. To continue, click **Enter** while the text **I accept** is highlighted.
10. The next screen is the Red Hat Enterprise Linux 5 screen. In the **Username** field, type biadmin.
11. In the **Password** field, type biadmin.
12. Install Adobe Flash updates:

Download and install the latest updates for Adobe Flash:

  - From your browser, access the Flash update site: [http://support.mozilla.org/en-US/kb/install-flash-plugin-view-videos-animations-games#w\\_installing-the-flash-plugin-manually](http://support.mozilla.org/en-US/kb/install-flash-plugin-view-videos-animations-games#w_installing-the-flash-plugin-manually).
  - Follow the instructions on the page. When prompted for your super user (sudo user) password, type password.

13. When the VM Player startup is complete, you are in the InfoSphere BigInsights desktop.  
Double-click the **Start BigInsights** icon.  
A Terminal window opens on the desktop that shows you the progress of starting BigInsights. When it is completed, you are returned to the desktop.
14. Click the **InfoSphere BigInsights** desktop icon.

## Using IBM InfoSphere BigInsights Quick Start Edition, v2.1

From the BigInsights desktop, you can learn about BigInsights by clicking the **BigInsights Tutorials** icon and performing the six tutorials. You can develop applications with the Eclipse client, by clicking the Eclipse icon.

**Note:** The Eclipse client that is part of this VM image is already enabled for InfoSphere BigInsights. You can also access the **BigInsights Forum**, the **BigInsights Video**, and the **BigInsights InfoCenter** by clicking their respective desktop icons.

Open the **BigInsights Shell** folder to access these functions:

- Big SQL Shell
- HBase Shell
- Hive Shell
- Jaql Shell
- Pig Shell
- Terminal window

If you have problems while using the VM image, double-click the **Reset VM** icon on your BigInsights desktop. For other issues, double-click the **BigInsights Forum** icon.

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