

## Quick Start Guide

*This guide describes a quick and easy way to install the product.*

**National Language Version:** To obtain the Quick Start Guide in other languages, download the PDF from the IBM website.

### Product overview

InfoSphere® Streams enables you to capture, analyze, and act on business data from a broad range of sources. Using real-time analytic processing (RTAP) technology, InfoSphere Streams can continuously analyze massive volumes of streaming data in real time, with extremely fast response times. In addition to reporting changes in data, InfoSphere Streams can notify users and systems of data changes, and take specific actions to respond to those changes in real time.

You can use InfoSphere Streams to develop and run applications that process information in data streams. To develop streams processing applications, InfoSphere Streams provides the IBM® Streams Processing Language (SPL), the InfoSphere Streams Studio integrated development environment (IDE), and toolkits. The InfoSphere Streams runtime system enables you to run your applications on a single host or a distributed set of hosts.

To learn more about InfoSphere Streams, see the product interactive conceptual model in the information center (<http://pic.dhe.ibm.com/infocenter/streams/v3r2/topic/com.ibm.swg.im.infosphere.streams.install-admin.doc/doc/ibminfospherestreams-introduction.html>). This model is a visual representation of how system administrators, application developers, testers, job managers, and data users can use InfoSphere Streams.

### 1 Step 1: Access the software and documentation



To download the InfoSphere Streams for Non-Production Environment installation files, follow the instructions in the Download Document that is available on the InfoSphere Streams Support website ([http://www.ibm.com/support/entry/portal/Overview/Software/Information\\_Management/InfoSphere\\_Streams](http://www.ibm.com/support/entry/portal/Overview/Software/Information_Management/InfoSphere_Streams)).

To extract the contents of the product installation package, enter the following command:

```
tar -zxvf product-installation-package-name.tar.gz
```

The **tar** command creates the `StreamsInstallFiles` directory, which contains the InfoSphere Streams self-extracting installation binary file (**InfoSphereStreamsSetup.bin**), other installation files, the *Release Notes*, and the *Installation and Configuration Guide*.

All of the InfoSphere Streams product documentation is available in a separate Information Center package file that you can download and install on your local system. For instructions about installing and updating the locally installed information center, see the readme file in the Information Center package file.

The most current version of the InfoSphere Streams documentation is in the information center on the IBM website (<http://pic.dhe.ibm.com/infocenter/streams/v3r2>).

### 2 Step 2: Evaluate your system configuration



InfoSphere Streams provides a dependency checker script that you run on your system before installing the product. This script verifies that your system satisfies the software requirements for InfoSphere Streams.

To run the dependency checker script, enter the following command from the `product-installation-package-directory/StreamsInstallFiles` directory:

```
./dependency_checker.sh
```

For detailed information about InfoSphere Streams planning considerations and requirements, see the “Planning roadmap” in the *Installation and Configuration Guide* or the information center (<http://pic.dhe.ibm.com/infocenter/streams/v3r2/topic/com.ibm.swg.im.infosphere.streams.install-admin.doc/doc/ibminfospherestreams-preinstall-roadmap.html>).

### 3 Step 3: Install InfoSphere Streams



Before you install InfoSphere Streams, you must create the user ID and group that will own the installation.

For demonstration and learning purposes, you might want to install InfoSphere Streams on a single computer as a root or non-root user. If Security-Enhanced Linux (SELinux) is enabled on your computer, you must install InfoSphere Streams as a root user. For more information, see “Installation by root or non-root users” in the *Installation and Configuration Guide* or the information center (<http://pic.dhe.ibm.com/infocenter/streams/v3r2/topic/com.ibm.swg.im.infosphere.streams.install-admin.doc/doc/ibminfospherestreams-install-options-user.html>).

The following procedure provides minimal steps for installing InfoSphere Streams on a single computer using the interactive graphical user interface (GUI) installation method and accepting the default installation options. You can install and use the product without a GUI. However, a GUI enables you to get started more quickly and use the InfoSphere Streams Studio application development interface.

To install InfoSphere Streams in a multiple-host or production environment, see the additional installation options in “Installing InfoSphere Streams” in the *Installation and Configuration Guide* or the information center (<http://pic.dhe.ibm.com/infocenter/streams/v3r2/topic/com.ibm.swg.im.infosphere.streams.install-admin.doc/doc/ibminfospherestreams-install.html>).

#### Procedure

1. From the *product-installation-package-directory/StreamsInstallFiles* directory, enter `./InfoSphereStreamsSetup.bin` to start the installation.
2. When you are prompted, accept the default installation options.
3. On the Postinstallation Tasks page, ensure that the **Launch First Steps** option is selected, and then click **Next**. The Installation Complete page displays, and the InfoSphere Streams First Steps application opens in a separate window.
4. On the Installation Complete page, click **Done** to exit the installation utility. If the Installation Complete page indicates that the installation utility detected errors or warnings, review the installation summary log file in the *product-installation-directory/logs* directory, and resolve any issues.
5. Use the First Steps application to complete the postinstallation tasks for the product.
6. Close the First Steps application. To restart the application at any time, enter `streamtool launch --firststeps`.
7. To configure the InfoSphere Streams product environment variables, enter the following command:

```
source product-installation-directory/bin/streamsprofile.sh
```

Add this command to your *home-directory/.bashrc* shell initialization file. Otherwise, you must enter the command every time you start InfoSphere Streams.

For more information about postinstallation options, see the “Postinstallation roadmap” in the *Installation and Configuration Guide* or the information center (<http://pic.dhe.ibm.com/infocenter/streams/v3r2/topic/com.ibm.swg.im.infosphere.streams.install-admin.doc/doc/ibminfospherestreams-install-postinstall-roadmap.html>).

#### More information



For more information, see the following resources:

- InfoSphere Streams website (<http://www.ibm.com/software/data/infosphere/streams>)
- developerWorks® streamsdev website (<https://www.ibm.com/developerworks/streamsdev>)
- developerWorks InfoSphere Streams forum (<https://www.ibm.com/developerworks/streamsdev/questions/?community=streamsdev&sort=newest&refine=none>)
- developerWorks Streams Exchange website (<https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUuiid=d4e7dc8d-0efb-44ff-9a82-897202a3021e>)
- InfoSphere Streams Playbook wiki ([https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/InfoSphere\\_Streams\\_Playbook](https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/InfoSphere_Streams_Playbook))
- InfoSphere Streams publications on the IBM Redbooks® website (<http://www.redbooks.ibm.com/cgi-bin/searchsite.cgi?query=InfoSphere+AND+Streams>)
- InfoSphere Streams Support ([http://www.ibm.com/support/entry/portal/Overview/Software/Information\\_Management/InfoSphere\\_Streams](http://www.ibm.com/support/entry/portal/Overview/Software/Information_Management/InfoSphere_Streams))

