



## Installing Multiple Modules on Linux Platforms

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# About Installing Multiple Modules on Linux Platforms

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*Installing Multiple Modules on Linux Platforms* includes the following chapters:





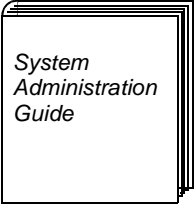

- *About Installing Multiple Modules on Linux Platforms*. Provides an overview of this guide and Actuate BIRT iHub documentation.
- *Chapter 1. Installing BIRT iHub overview*. Describes the BIRT iHub modules and environment.
- *Chapter 2. Installing multiple BIRT iHub modules*. Describes how to install BIRT iHub with Visualization Platform and System Console at the same time, in a Linux environment.
- *Chapter 3. Setting up BIRT iHub*. Describes how to access System Console and Visualization Platform.

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## Accessing Actuate BIRT iHub information

The online documentation includes the materials described in Table I-1. You can obtain HTML and PDF files from the Actuate web site. These documentation files are updated in response to customer requirements.

**Table I-1** BIRT iHub documentation

<b>For information about this topic</b>	<b>See the following resource</b>
Installing BIRT iHub modules on Linux	
Installing BIRT iHub modules on Windows	
Installing multiple BIRT iHub modules on Linux	
Installing multiple BIRT iHub modules on Windows	
Architecture overview Using the default PostgreSQL RDBMS Using an alternative RDBMS Setting up a cluster Backing up the metadata RDBMS	
Managing volume-level operations Setting up users and groups Advanced job schedules Using HTTPS to access Visualization Platform	

**Table I-1** BIRT iHub documentation (continued)

<b>For information about this topic</b>	<b>See the following resource</b>
Installing a stand-alone Visualization Platform Configuring Visualization Platform Configuring BIRT Viewers and Report Studio	 <p><i>Installing Visualization Platform</i></p>
Actuate web services and SOAP messaging overview Actuate Information Delivery API operations and data types reference Using Actuate JavaScript API to customize access to reports and report components Reference for configuring BIRT Viewer and Report Studio Reference for BIRT Viewer and Report Studio URIs Using Java Report Server Security Extension (RSSE) APIs Using logging, performance monitoring, and archiving features Customizing the Actuate software installation process	 <p><i>Integrating Applications into BIRT iHub</i></p>
Late-breaking information and documentation updates	Release notes and updated localization files posted on Actuate <a href="#">Support</a>

## Obtaining documentation

Actuate provides technical documentation in PDF and HTML formats. You can download PDF or view HTML versions of the documentation from [www.actuate.com/documentation](http://www.actuate.com/documentation).

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# 1

## Installing BIRT iHub overview

This chapter contains the following topics:

- Understanding BIRT iHub installation
- Understanding the BIRT iHub installation environment

---

# Understanding BIRT iHub installation

This chapter describes the modules and components of BIRT iHub. The system administrator uses the BIRT iHub installation packages to install the Actuate modules described in Table 1-1.

**Table 1-1** Actuate BIRT iHub modules

Module	Platform	Description
System Console	Windows and Linux	A web-based tool for configuring, licensing, managing, and monitoring one or more BIRT iHub Systems.
BIRT iHub Visualization Platform	Windows and Linux	A web application, server, and metadata database that provide access to dashboards, files, folders, and jobs in a volume. Supports viewing BIRT reports and using Report Studio.

To reduce network traffic, install BIRT iHub on the same host machine as the BIRT iHub system database. Alternatively, install BIRT iHub and the metadata database on different machines to distribute processing across multiple machines.

The installation procedures install BIRT iHub using an evaluation license. After installation, the administrator specifies a purchased product license using System Console. For a complete understanding of configuring BIRT iHub licenses, including binding the BIRT iHub processes to particular processors in a multi-core machine, see *BIRT iHub System Administration Guide*.

## Overview of installation operations

When installing BIRT iHub on Linux, be sure to run the same versions of all products.

To install BIRT iHub, the system administrator performs the following operations:

- Downloads the BIRT iHub multiple module installation package and individual module installation packages from the download site
- Unbundles the multiple module installation package.
- Modifies the installation properties file to specify information such as the machine name and password for the machine where the administrator is installing the BIRT iHub modules
- Runs the installation script

After performing the installation, the system administrator loads a license for purchased options.

## About installation components

BIRT iHub provides the common services used by all modules such as user management, activity logging, and the PostgreSQL RDBMS containing system metadata.

The BIRT iHub Visualization Platform module includes the following components:

- BIRT iHub System with a PostgreSQL relational database management system (RDBMS), including a default volume with sample BIRT designs and other documents
- BIRT iHub Visualization Platform, which provides an integrated user interface for viewing and editing BIRT dashboards and reports, and iHub Administration

The System Console module includes one component, System Console, which is the graphical user interface (GUI) for administering the BIRT iHub System.

## Storing cluster and volume metadata

BIRT iHub stores metadata containing system, cluster, and volume configuration information in a database. In the default installation, BIRT iHub uses the open-source, PostgreSQL RDBMS. iHub also supports using other RDBMS, such as Oracle or a pre-existing PostgreSQL instance.

After installation of the default system, the system administrator can run a utility to switch to an alternative RDBMS. For more information, see the *System Administration Guide*.

The database that contains BIRT iHub system, cluster, and volume metadata is a critical component of BIRT iHub System. To guard against data loss, the database administrator must back up the schema using the tools and resources of the third-party RDBMS.

For information about the recommended procedures to back up BIRT iHub cluster and volume schemas, refer to the *System Administration Guide*.

## Support for the metadata database

If you encounter a problem with the operation of the metadata database, Actuate will work with you to resolve it. For example, Actuate may take any or all of the following actions:

- Propose a change in your environment that avoids the problem.
- Make a change in Actuate's code to work around the problem.

- In the case of PostgreSQL, engage with the development community to obtain a patch.
- In the case of Oracle, help you to isolate the problem and report it to the vendor.

## Downloading the installation packages

Download the BIRT iHub installation packages from an Actuate download site using the URLs provided by e-mail.

---

## Understanding the BIRT iHub installation environment

The following sections provide supplementary information about the BIRT iHub installation environment.

### Running different releases on the same machine

A BIRT iHub 3 installation cannot coexist on the same machine with an earlier release of BIRT iHub or iServer.

### Understanding the Java Runtime Environment

The BIRT iHub installation program installs Java Runtime Environment 1.8. By default, BIRT iHub uses this JRE. If you want to use a different JRE, you must set the appropriate environment variables in the configuration files used by BIRT iHub Visualization Platform and System Console.

### Modifying BIRT iHub Visualization Platform configuration files

This section assumes the BIRT iHub installation directory is `/opt/actuate/iHub3`.

For BIRT iHub Visualization Platform, you must modify two files:

- `ihub.properties`, located in `/opt/actuate/iHub3/modules/BIRTiHub`
- `acpmdconfig.xml`, located in `/opt/actuate/iHub3/modules/BIRTiHub/iHub/etc`

In `ihub.properties`, modify the following lines so that the paths point to the JRE you want to use.

```
#AC_JRE_HOME=/opt/actuate/iHub3/java  
#AC_JAVA_HOME=/opt/actuate/iHub3/java
```

In `acpmdconfig.xml`, modify the following lines so that the paths point to the JRE you want to use.

```
<EnvironmentVariable Name="JAVA_HOME"
  Value="/opt/actuate/iHub3/java" />
<EnvironmentVariable Name="AC_JAVA_HOME"
  Value="/opt/actuate/iHub3/java" />
<EnvironmentVariable Name="AC_JRE_HOME"
  Value="/opt/actuate/iHub3/java" />
```

## Modifying System Console configuration files

This section assumes the System Console installation directory is `/opt/actuate/SystemConsole`.

For System Console, you must modify two files:

- `systemconsole.properties`, located in `/opt/actuate/SystemConsole/modules/SystemConsole`
- `wrapper.properties`, located in `/opt/actuate/SystemConsole/modules/SystemConsole/tomcat/conf/jk`

In `systemconsole.properties`, comment out the following entries and create new ones that point to the JRE you want to use.

```
#AC_JRE_HOME=/opt/actuate/iHub3/java
#AC_JAVA_HOME=/opt/actuate/iHub3/java
```

In `wrapper.properties`, modify the following line so that the path points to the JRE you want to use.

```
wrapper.java_home=/opt/actuate/iHub3/java
```

## Accessing JAR files for document generation

To generate some documents, iHub requires access to jar files in `<BIRT iHub installation directory>/modules/BIRTiHub/iHub/Jar`.

## Following best practices

Before deploying BIRT iHub in a production environment, Actuate recommends testing the installation in a separate staging area. The following sections provide some guidelines for setting up a test environment and production staging area.

### Using a test environment

Set up a test environment and then move to iHub on the production system when the testing is complete. You cannot mix Actuate products from different release levels. For example, you cannot use BIRT iServer Release 11 design tools with BIRT iHub Release 3.

Complete the following general tasks in this order to determine how to upgrade your site to BIRT iHub:

- Create a test environment for BIRT iHub. The test environment cannot be on the same machine that hosts an earlier Actuate installation.
- Install the software in the test environment..
- Ask application developers and a few users to perform some typical tasks in the test environment.
- Create a production staging area.
- Install the remaining BIRT iHub desktop products, if required, in production environments on the user workstations. Verify that the desktop products function properly.
- Schedule a low-impact time to switch to the production system.

## **Setting up a production staging area**

A production staging area is one that you can use for testing and also configure as the live production system. The production staging area can be a separate configuration on the live production machine or a separate machine. You can install all BIRT iHub products or the BIRT iHub server products and a subset of the desktop products.

If you plan to test BIRT iHub desktop products, identify which users to include in the final testing. Developers and users can then confirm that applications perform as expected in the BIRT iHub production staging environment.

Complete the following general tasks to test BIRT iHub:

- Install BIRT iHub software in a production staging area.
- Install BIRT iHub desktop software on the test user machines.
- Verify that the BIRT iHub production staging environment works correctly.
- Install the remaining BIRT iHub desktop products, if you installed a subset earlier.
- Verify that all the BIRT iHub desktop products work correctly.
- Begin setting up a production environment as described in the following section.

## **Setting up a production environment**

When testing is complete, confirm that your applications work as expected in the BIRT iHub environment. Set up the production environment and schedule a date and time to activate BIRT iHub.

When you switch to BIRT iHub, use the following procedure list as a general guideline:

- Install design and document files.
- Start BIRT iHub.
- Inform users that they can start using BIRT iHub design tool products.





# Installing multiple BIRT iHub modules

This chapter contains the following topics:

- Prerequisites for installing BIRT iHub on Linux
- Installing multiple BIRT iHub modules on Linux
- Reviewing the BIRT iHub installation on Linux
- Starting and stopping BIRT iHub on Linux
- Uninstalling BIRT iHub modules
- Changing default port numbers

---

## Prerequisites for installing BIRT iHub on Linux

BIRT iHub requires a 64-bit operating system.

For optimum performance, use a system that has a minimum of 8GB RAM.

### Checking for ports used by BIRT iHub

BIRT iHub processes use network ports to communicate. Before installation, ensure that the ports used by BIRT iHub are available on the system. The ports used by BIRT iHub modules are listed in Table 2-1.

**Table 2-1** BIRT iHub ports

BIRT iHub module	Ports used
All	Required during and after installation: 8000, 8100, 8433, 8500, 8700, 9432 Required after installation: 8001, 8010, 8011, 11100, 11101, 12100, 13500, 14000, 14100, 14200, 15200, 18500, 21000, 21500

You can change some of the port numbers that BIRT iHub uses after installing BIRT iHub. For more information, see “Changing default port numbers,” later in this chapter.

### Requirements to install and run BIRT iHub on Linux

The following sections describe the requirements for installing and running BIRT iHub on Linux.

#### Configuring a Linux user account for BIRT iHub

Actuate recommends running the installation procedure from an account created exclusively for BIRT iHub administration. Having a dedicated user account isolates iHub-specific issues and events on a machine, making it easier to administer the environment. Use the same level of security that your site exercises for other system administrator and root accounts.

Use the dedicated user account for installing, running, and administering iHub.

Installing BIRT iHub under the root account is not supported. If installed under the root account, the default installation is unable to set up the required BIRT iHub metadata schemas and sample volume. The PostgreSQL RDBMS must run using an unprivileged user account to prevent compromising system security.

## Setting up libstdc++

The libstdc++ library is a prerequisite for running BIRT iHub on Linux systems. This library is present by default on most systems. If it is not present, the administrator must install it before installing BIRT iHub, using a command similar to the following one:

```
yum install libstdc++.i686
```

On RedHat Enterprise Linux 7 and CentOS 7 operating systems, BIRT iHub requires both the 32-bit and 64-bit versions of the library.

Installation of BIRT iHub succeeds if this library is not present, but the server fails to start.

## Using run level 3

The BIRT iHub installation process requires running Linux at run level 3. Run level 3 is typically the default on most servers running the Linux operating system. This level supports networking and multi-user mode with a command-line interface.

## 32-bit library support

Although BIRT iHub is a 64-bit application, 32-bit library support is required for installation. BIRT iHub requires either glibc.i686 or glibc.i386. If the BIRT iHub installation is unable to locate the required package, an error similar to the following one appears:

```
/opt/actuate/iHub3/BIRTiHubVisualization/acinstall/Ant/apache-ant-1.8.2/bin/ant: /opt/actuate/iHub3/BIRTiHubVisualization/acinstall/jre/bin/java: /lib/ld-linux.so.2: bad ELF interpreter: No such file or directory
```

To install 32-bit glibc, use a command similar to the following one:

```
yum install glibc.i686
```

---

## Installing multiple BIRT iHub modules on Linux

This section describes how to install BIRT iHub with Visualization Platform and System Console on Linux at the same time, on the same machine. To install a single BIRT iHub module, see Chapter 2, “Installing BIRT iHub,” in *Installing and Upgrading BIRT iHub on Linux*.

Perform the procedures in this section only if you do not have BIRT iHub already installed on your system. If you purchased BIRT iHub Release 3 or Release 3 Fix 1 and installed the files that you downloaded, you can upgrade to BIRT iHub Release 3.1 by following the instructions in Chapter 4, “Upgrading to Visualization Platform 3.1,” in *Installing and Upgrading BIRT iHub on Linux*, and

Chapter 5, “Upgrading to System Console 3.1,” in *Installing and Upgrading BIRT iHub on Linux*.

System Console creates a default cluster automatically. If you install System Console and BIRT iHub on the same machine at the same time using the procedure described in this section, System Console automatically adds the machine on which you installed these modules as a node and adds the default volume to the default cluster. If you install System Console individually either on the same machine as BIRT iHub or on a separate machine, you must add a node and a volume to the default cluster after installing System Console. For information on installing System Console and BIRT iHub individually, see Chapter 2, “Installing BIRT iHub,” in *Installing and Upgrading BIRT iHub on Linux*. For more information on clustering, see Chapter 5 “Managing Clusters,” in the *System Administration Guide*.

When installing more than one BIRT iHub module at the same time, the administrator performs the following tasks:

- Downloads the BIRT iHub installation package, `iHub3.tar.gz`, from the software download site.
- Downloads the `tar.gz` and `tar.gz.MD5` file pair or pairs for each module the administrator is installing from the download site. By default, the install script installs System Console and BIRT iHub with Visualization Platform. Installing these modules requires that the administrator download the following file pairs from the download site:
  - `SystemConsole.tar.gz` and `SystemConsole.tar.gz.MD5`
  - `ActuateBIRTiHub.tar.gz` and `ActuateBIRTiHub.tar.gz.MD5`
- Creates a new folder and unbundles the `iHub3.tar.gz` file into the folder.
- Reviews the software license agreement.
- Updates the installation properties file.
- Runs the install script, `install.sh`.

#### **How to install multiple BIRT iHub modules on Linux**

- 1 Download `iHub3.tar.gz` from the software distribution site.
- 2 Download the `tar.gz` and `tar.gz.MD5` file pair for each BIRT module you are installing from the modules folder at the software distribution site to one folder.
- 3 Create a new folder into which to extract the files that `iHub3.tar.gz` contains, such as `/opt/actuate`.
- 4 Unbundle `iHub3.tar.gz` into `/opt/actuate`. Unbundling `iHub3.tar.gz` creates the installation directory, `/opt/actuate/iHub3`.
- 5 Navigate to `/opt/actuate/iHub3/License`.

- 6 Open and read the file, `license.txt`. You must agree to the license terms to install BIRT iHub modules. In step 8.5, you indicate whether you accept the license terms or whether you want the install program to prompt you for whether you accept the terms.
- 7 Navigate to `/opt/actuate/iHub3`.
- 8 Using a text editor, open the `acinstall.properties` file. Using the example shown in Listing 2-1, perform the following tasks:
  - 1 For `ac.login`, specify the machine and account name for the machine onto which you are installing the BIRT iHub modules. For `ac.password`, specify the account name password.  
  
For `ac.package`, accept the default value of `a,b` to install System Console and BIRT iHub with Visualization Platform.
  - 2 Modify the `ac.homedir` property to specify the installation directory path if you do not run the install script, `install.sh`, from the installation directory.
  - 3 Leave `ac.downloadonly` set to `false`.
  - 4 For `ac.source`, specify the path to the folder containing the `tar.gz` and `tar.gz.MD5` file pairs that you downloaded in step 2. For example, if you downloaded these file pairs to `/opt/actuate/BIRT_component_archive_files`, specify this path for `ac.source`.
  - 5 For `ac.acceptlicense`, accept the default value of `prompt` for the install script to prompt you for whether you accept the software license terms when you run the script. Alternatively, specify `y` for `yes`, to accept the software license terms.
  - 6 Uncomment `ac.iHub_cluster_schema_name` and `ac.iHub_postgres_port`, setting these two properties to the cluster schema name and PostgreSQL RDBMS port, if necessary.
  - 7 Save and close the file.

**Listing 2-1**      `acinstall.properties`

---

```
#Tue, 11 Jun 2013 16:19:16 -0700
ac.login=//URUP/actuate
ac.password=password
ac.package=a,b
# Please use forward slashes for the home fully qualified path
# on Windows OS, for example ac.homedir=D:/iHub/distribution
ac.homedir=.
ac.downloadonly=false

# Please use forward slashes for the source network path on
# Windows OS, for example 'source' = //fs/installDir/iHub
# /distribution
```

```

#ac.source=.
ac.source=/opt/actuate/BIRT_component_archive_files

# The license agreement (license.txt) file is located in the
# ./License directory
# The default value of the ac.acceptlicense parameter is set to
# 'prompt', which requires the user to read the license
# agreement before accepting it
# Before starting a network/silent install, read the
# license.txt file and change the value of the ac.acceptlicense
# parameter to 'y' to confirm that you agree to the terms of
# the license agreement
# ac.acceptlicense=prompt
ac.acceptlicense=y

#Advanced Settings
#ac.iHub_cluster_schema_name=
#ac.iHub_postgres_port=

```

**9** Execute the install.sh script using the following command:

```
sh ./install.sh
```

When you run the BIRT iHub installation script, you see the message “Unable to locate tools.jar.” You can safely ignore this message.

The script displays messages similar to those shown in Listing 2-2.

**Listing 2-2** Executing the install script

---

```

Install will start now...
[echo] Downloading from given file system location
[echo] Verifying Checksum...
[echo] Completed verification
[echo] Extracting package System Console
[echo] Installing System Console. This may take a few
      minutes...
[echo] Downloading from given file system location
[echo] Verifying Checksum...
[echo] Completed verification
[echo] Extracting package Actuate BIRT iHub
[echo] Installing Actuate BIRT iHub. This may take a few
      minutes...
[echo] Using default PostgreSQL database port number 8433
[echo] Using default schema name
[echo] To access Information Console, use URL:
      http://localhost:8700/iportal
[echo] To access System Console, use URL:
      http://localhost:8500/sysconsole
[echo] Setup Completed

```

```
INSTALL SUCCEEDED
Total time: 3 minutes 34 seconds
installation complete
```

---

## Reviewing the BIRT iHub installation on Linux

The BIRT iHub installation programs create log files containing information about the tasks completed during the installation process. Table 2-2 lists the installation log files for each BIRT iHub module.

**Table 2-2** Installation log files for BIRT iHub modules

Module	Linux log files
All modules	In the installation directory: installer.log
System Console	In <installation directory>/modules/SystemConsole: setupSystemConsole.log
Visualization Platform	In <installation directory>modules/BIRTiHub: setup.log setupiHub.log uploadsamplecontent.log

---

---

## Starting and stopping BIRT iHub on Linux

Some administrative actions require a restart of BIRT iHub cluster before they take effect. Use System Console to stop and start BIRT iHub to perform these actions. The System Console processes are still running while BIRT iHub is stopped. To stop BIRT iHub and System Console completely, you must stop these processes.

Use the shell scripts provided to start and stop the modules. Table 2-3 lists the shell script files for each BIRT iHub module.

**Table 2-3** Shell scripts to start and stop BIRT iHub module processes

Module	Linux shell scripts
System Console	In <installation directory>: stopSystemConsole.sh In <installation directory>/modules/SystemConsole: startupSystemConsole.sh stopSystemConsole.sh In <installation directory>/modules/SystemConsole /setup: startpostgresql.sh stoppostgresql.sh
BIRT iHub	In <installation directory>: stopiHub.sh In <installation directory>/modules/BIRTiHub: startiHub.sh stopiHub.sh startPostgreSQL.sh stopPostgreSQL.sh

---

## Uninstalling BIRT iHub modules

Uninstalling BIRT iHub deletes the iHub metadata including dashboards, reports, and jobs in a volume. To transfer a volume to a different iHub installation or to switch to a different metadata database, see *BIRT iHub System Administration Guide*.

Uninstall a BIRT iHub module by stopping the module and deleting the folder. Deleting the folder deletes the iHub metadata.

### How to uninstall BIRT iHub

- 1 Navigate to <installation directory>/modules/BIRTiHub.
- 2 Run stopiHub.sh.
- 3 Run stopPostgreSQL.sh.
- 4 Delete <installation directory>/modules/BIRTiHub. If you have also uninstalled System Console, you can delete the installation directory.



### How to uninstall System Console

- 1 Navigate to <installation directory>/modules/SystemConsole.
- 2 Run stopSystemConsole.sh.
- 3 Navigate to <installation directory>/modules/SystemConsole/setup.
- 4 Run stoppostgresql.sh.
- 5 Delete <installation directory>/modules/SystemConsole. If you have also uninstalled BIRT iHub, you can delete the installation directory.

---

## Changing default port numbers

Table 2-4 lists the ports for which you can change the value, if necessary, after installing BIRT iHub. These port numbers are defined in acserverconfig.xml, the configuration file that all nodes in a BIRT iHub cluster share.

**Table 2-4** iHub ports appearing in acserverconfig.xml

Name	Description	Default	Range
AppContainerPort	Application container process listen port	8700	1 - 65535
CustomEventServicePort	Custom Event Service Port	8700	1 - 65535
ProvisioningSOAPPport	Provisioning service port	8010	1 - 65535
ProvisioningSOAPSSL Port	Provisioning service SSL port	8011	1 - 65535
SOAPDispatchSOAPPport	Message Distribution service port	8000	1 - 65535
SOAPDispatchSOAPSSL Port	Message distribution service SSL port	8001	1 - 65535

### How to change a port number in acserverconfig.xml

This section makes reference to a variable named BIRTiHub\_HOME. If you installed Visualization Platform as a single module, using the BIRTiHubVisualization.tar.gz installation package, into a directory having the path /opt/actuate, BIRTiHub\_HOME represents the following path:

```
/opt/actuate/BIRTiHubVisualization/modules/BIRTiHub
```

If you installed Visualization Platform and another module, such as System Console, at the same time, using the iHub3.tar.gz installation package, into a

directory having the path /opt/actuate, BIRTiHub\_HOME represents the following path:

```
/opt/actuate/iHub3/modules/BIRTiHub
```

- 1** Navigate to BIRTiHub\_HOME. Run the script to stop BIRT iHub by typing the following command:

```
sh ./stopiHub.sh
```

- 2** Navigate to BIRTiHub\_HOME/iHub/shared/config, the directory containing acserverconfig.xml.
- 3** As a best practice, create a copy of acserverconfig.xml. Then, edit acserverconfig.xml and change any port number appearing in Table 2-4 as necessary. Save and exit.
- 4** Navigate to BIRTiHub\_HOME. Run the script to start BIRT iHub by typing the following command:

```
sh ./startiHub.sh
```

# Setting up BIRT iHub

This chapter contains information on Setting up BIRT iHub and accessing modules.

---

## Setting up BIRT iHub and accessing modules

After installing System Console and one or more BIRT iHub module, use System Console to create a cluster containing a single node. The cluster enables the system administrator to license the modules and monitor the iHub usage. For information about configuring BIRT iHub applications and databases, see *BIRT iHub System Administration Guide*.

### Accessing System Console

To open System Console, open a browser manually and enter the following URL:

```
http://localhost:8500/sysconsole
```

To access System Console from another system, open a browser manually and enter a URL similar to the following one, where servername is the name of the machine where you installed System Console:

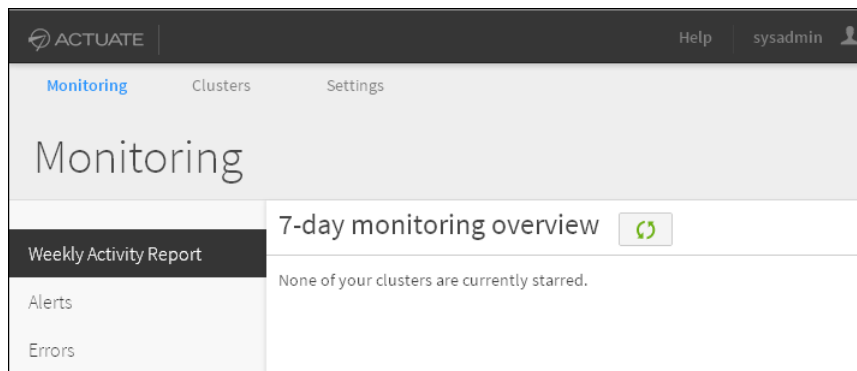
```
http://servername:8500/sysconsole
```

Log in to System Console using the following default system administrator credentials:

- Username: sysadmin
- Password: system11

You can change the default system administrator login name and password in System Console—Settings—System Admin Users. System Console initially displays the 7-day monitoring overview, as shown in Figure 3-1.

The login password for the postgres user in the default PostgreSQL RDBMS is postgres.



**Figure 3-1** Viewing System Console

A system administrator uses System Console to configure BIRT iHub System, including specifying the settings for the following items:

- Create and configure a cluster
- Connect to a database
- Add a volume
- Tune services and processes
- Specify ports
- Manage resources
- Viewing Logging and Monitoring System (LMS)
- Configure alerts
- Review and update license options

For more information about using System Console, see *BIRT iHub System Administration Guide*. For more information about administering the PostgreSQL RDBMS, see the vendor documentation at:

<http://www.postgresql.org/docs>

## Accessing Information Console

To access Information Console, open a browser and enter the following URL:

```
http://localhost:8700/iportal
```

To access Information Console from another system, open a browser manually and enter a URL similar to the following one, where `servername` is the name of the machine where you installed Information Console:

```
http://servername:8700/iportal
```

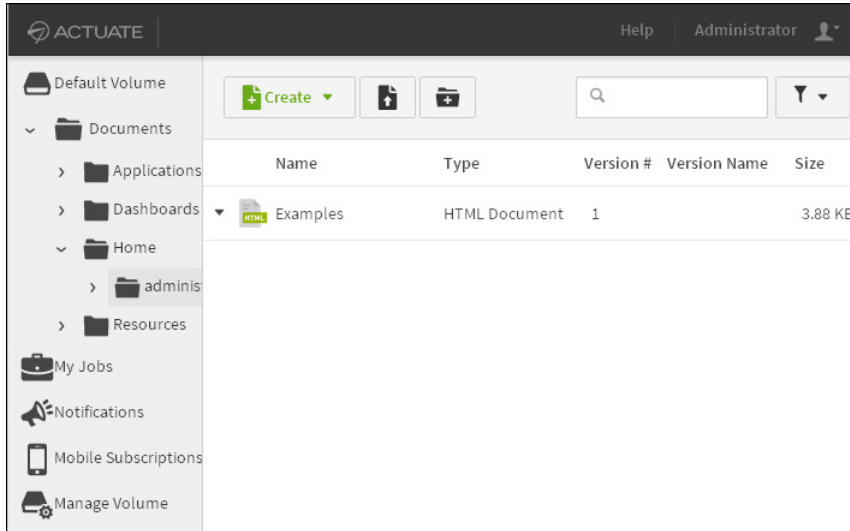
Log in to Information Console using the following default volume administrator credentials:

- Username: Administrator
- Leave the password blank

Then, choose Log In.

To log in to Information Console using a volume other than the default volume, type `<volume name>\username`. For example, type `sales_volume\Administrator` to log in as Administrator to a volume named `sales_volume`.

Information Console appears, as shown in Figure 3-2.



**Figure 3-2** Viewing Information Console

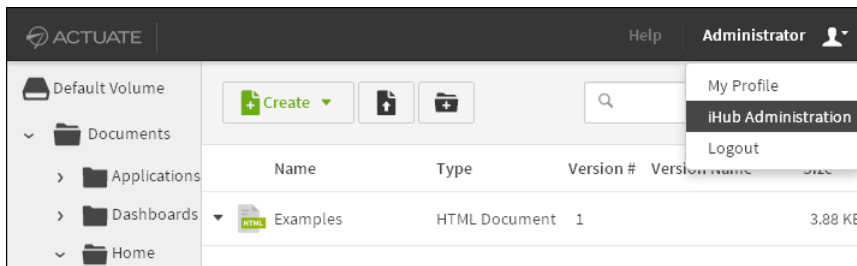
## About Information Console functionality

Information Console provides end-user access to dashboards, files, folders, and gadgets. This access includes sharing items that the user owns, and submitting jobs. For more information about this functionality, see *Using Visualization Platform*.

The system administrator uses iHub Administration to add users and user groups, and configure access to BIRT iHub shared application services and volume items such as dashboards, files, folders, and gadgets.

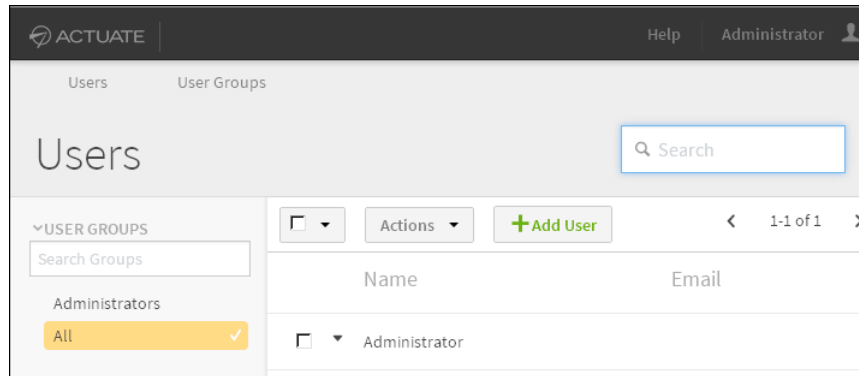
## Accessing user administration

To administer the Information Console users and user groups, choose Administrator—iHub Administration, as shown in Figure 3-3. This choice appears if the user has the requisite privileges.



**Figure 3-3** Accessing iHub Administration

iHub Administration appears, as shown in Figure 3-4.



**Figure 3-4** Viewing iHub Administration

### How to disable user administration

To disable user administration functionality completely in this web application for security reasons, perform the following tasks:

- 1 Delete the following folder from the installation environment:  
iHub3/modules/BIRTiHub/iHub/web/iportal/admin
- 2 Comment out or delete the context path setting in the web.xml file in the following location, shown in Listing 3-1:

iHub3/modules/BIRTiHub/iHub/web/iportal/WEB-INF/web.xml

**Listing 3-1** Administration context path in Information Console web.xml

```
<context-param>
  <param-name>MC_CONTEXT</param-name>
  <param-value>/acadmin</param-value>
</context-param>
```

For more information about BIRT iHub Visualization Platform user administration tools, see *Managing Volumes and Users*.

### Managing a volume

A user who has administrative privileges has access to the Manage Volume tools in Information Console. For more information about the volume management tools, see *Managing Volumes and Users*.





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