IBM Cognos Business Intelligence PowerPlay Client

Version 10.1.0

Installation Guide
# Table of Contents

**Introduction**  
5

**Chapter 1: Installing and Configuring IBM Cognos PowerPlay Client**  
7  
Verify System Requirements  
7  
Installing and Configuring IBM Cognos PowerPlay Client  
8  
Install IBM Cognos PowerPlay Client  
8  
Configure IBM Cognos PowerPlay Client  
10  
Test the Installation  
12  
Uninstall IBM Cognos PowerPlay Client  
12

**Chapter 2: Configuration Options**  
15  
Change a URI  
15  
Change Cryptographic Settings  
17  
Configure SSL Protocol  
17

**Chapter 3: Setting Up the Samples for IBM Cognos PowerPlay Client**  
19  
Install the IBM Cognos Samples  
19  
Test a Sample Report in IBM Cognos PowerPlay Client  
20

**Index**  
23
Introduction

This document is intended for use with IBM® Cognos® PowerPlay Client. PowerPlay Client is a business intelligence solution that you can use to create, view, explore, format, and distribute reports. This guide contains instructions about installing and testing PowerPlay Client, and about setting up samples.

For information about the differences to IBM Cognos Series 7, see the IBM Cognos PowerPlay Client User Guide.

Audience
To use this guide, you should be familiar with basic Windows administration skills.

Finding information
To find IBM® Cognos® product documentation on the web, including all translated documentation, access one of the IBM Cognos Information Centers at http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp. Updates to Release Notes are published directly to Information Centers. You can also read PDF versions of the product release notes and installation guides directly from IBM Cognos product disks.

Accessibility features
This product does not currently support accessibility features that help users with a physical disability, such as restricted mobility or limited vision, to use this product.

Forward-looking statements
This documentation describes the current functionality of the product. References to items that are not currently available may be included. No implication of any future availability should be inferred. Any such references are not a commitment, promise, or legal obligation to deliver any material, code, or functionality. The development, release, and timing of features or functionality remain at the sole discretion of IBM.

Samples disclaimer
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Introduction
Chapter 1: Installing and Configuring IBM Cognos PowerPlay Client

This section provides the information you need to install and configure IBM® Cognos® PowerPlay® Client.

You can install PowerPlay Client on the same computer as other IBM Cognos Business Intelligence components or on a different computer. PowerPlay Client is available as a 32-bit installation only. You can install PowerPlay Client on a 64-bit Microsoft® Windows® computer. Do not install PowerPlay Client in the same directory as 64-bit IBM Cognos BI components.

This section also includes information about uninstalling PowerPlay Client.

For information about the differences between IBM Cognos Series 7 PowerPlay and IBM Cognos PowerPlay Client, see the IBM Cognos PowerPlay Migration and Administration Guide.

To install and configure PowerPlay Client, do the following tasks:

- Verify system requirements.
- Install PowerPlay Client.
- Configure PowerPlay Client, if required.
- Test the installation.

You are now ready to use PowerPlay Client. If you would like to try some of the features with sample data, you can install and configure the PowerPlay samples. For more information, see “Setting Up the Samples for IBM Cognos PowerPlay Client” (p. 19).

Verify System Requirements

Use the following table to check the minimum hardware and software requirements to install and run IBM® Cognos® PowerPlay® components on one computer. Additional resources may be required for distributed or production environments.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM</td>
<td>Minimum: 2 GB</td>
</tr>
<tr>
<td>Disk space</td>
<td>A minimum of 2.5 GB of free space is required to install the software and 1 GB of free space on the drive that contains the temporary directory used by IBM® Cognos® Business Intelligence components.</td>
</tr>
<tr>
<td>Requirement</td>
<td>Specification</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Web browser</td>
<td>For all web browsers, the following are enabled:</td>
</tr>
<tr>
<td></td>
<td>- cookies</td>
</tr>
<tr>
<td></td>
<td>- JavaScript</td>
</tr>
<tr>
<td></td>
<td>For Microsoft® Internet Explorer only, the following are enabled:</td>
</tr>
<tr>
<td></td>
<td>- Active scripting</td>
</tr>
<tr>
<td></td>
<td>- Allow META REFRESH</td>
</tr>
</tbody>
</table>

## Installing and Configuring IBM Cognos PowerPlay Client

This section provides the information you need to install and configure IBM® Cognos® PowerPlay® Client. PowerPlay Client lets you create, view, explore, format, and distribute PowerPlay reports in the IBM Cognos Business Intelligence environment.

If you are upgrading from a previous release of PowerPlay Client you have two choices.

- uninstall the existing version of PowerPlay Client before you install the new version (p. 12). If you choose this option back up data from the installation location that you want to save, such as reports, before you run the uninstall program.

- install the new version of PowerPlay Client to a different location so you can continue to use the existing version. You may choose this option if you plan to continue to use the existing IBM Cognos BI production environment while you install and test the new version.

Note: The default installation location for PowerPlay Client version 10.1.0 is different from previous versions.

Use the following checklist to guide you through the required tasks to install and configure PowerPlay Client:

- Install PowerPlay Client.
- Configure PowerPlay Client.
- Test PowerPlay Client.

## Install IBM Cognos PowerPlay Client

Use the installation wizard to install IBM® Cognos® PowerPlay® Client on a Microsoft® Windows® computer.

You can have IBM Cognos Series 7 PowerPlay for Windows and IBM Cognos PowerPlay Client on the same computer. This can be useful when migrating reports from IBM Cognos Series 7 to IBM Cognos BI. When both products are installed on the same computer, file associations are set up to launch the product that was installed most recently when a PPX or MDC file is accessed. If you install IBM Cognos Series 7 PowerPlay for Windows after installing IBM Cognos PowerPlay
Client, you can reset the file associations (p. 10) so that PPX and MDC files open in IBM Cognos PowerPlay Client.

**Steps to Install**

1. Do one of the following:
   - Insert the IBM Cognos PowerPlay Client disk.
     - If the installation wizard does not open automatically, go to the operating system directory, and double-click issetup.exe.
   - Go to the location where the installation files were downloaded and extracted and double-click issetup.exe.

2. On the **Welcome** page of the installation wizard, select one of the available languages and then click **Next**.
   - The language you select determines the language of the installation wizard.

3. In each **License Agreement** page, select **I Agree** and then click **Next**.

4. In the **Installation Location** page, specify the IBM Cognos BI location.
   - If you do not use the default installation location, specify a directory name that contains only ASCII characters.

5. In the **User Information** page, specify the settings and click **Next**.

6. In the **Product Language Selection** page, select the language for the product user interface and then click **Next**.
   - Only one language can be selected per installation. We recommend using a language that matches the system locale settings. Otherwise, use English. We also recommend setting fonts to match the system locale. Ensure that the supporting font is installed on the client computer.
   - For instructions about installing supplementary languages, see the IBM Cognos BI Supplementary Languages *Installation and Configuration Guide*. The following constraints apply for the supplementary languages:
     - Although Russian is available in the supplementary languages, it does not apply to IBM Cognos PowerPlay Client.
     - If you are installing multiple IBM Cognos products in the same location, you must install the supplementary languages last.

7. In the **Component Selection** page, accept the default settings and click **Next**.

8. Follow the directions in the **Shortcut Folder** and **Installation Summary** pages.

9. In the **Finish** page, do the following:
   - If you want to see late-breaking information about IBM Cognos PowerPlay Client, select **View the Release Notes**.
   - Click **Finish**.
Reset File Associations to IBM Cognos PowerPlay Client

If you install IBM Cognos Series 7 PowerPlay for Windows after you install IBM Cognos PowerPlay Client and you want PPX and MDC files to open in IBM Cognos PowerPlay Client, you must update the registry setting that controls which application opens the files.

**Step**

- Open a command prompt window and run the following command in the `powerplay_client_installation_location\bin` directory:

  `PwrPlay.exe /regserver`.

Configure IBM Cognos PowerPlay Client

After you install IBM Cognos PowerPlay Client, you configure it so that it works in your environment. If you install PowerPlay Client to use with local PowerCubes only, no configuration is required.

Before you configure PowerPlay Client ensure that IBM Cognos Business Intelligence server components are installed and configured: Content Manager, application tier components, and gateway. This ensures that the certificate authority service on the Content Manager computer can issue a certificate to the PowerPlay Client and that PowerPlay Client can communicate with the gateway.

Contact your IBM Cognos BI administrator for the required configuration information.

Configure Access to the IBM Cognos PowerPlay Server

Configuration is required if you install PowerPlay Client on a separate computer from the IBM Cognos PowerPlay server and you want to use remote PowerCubes. To publish reports to IBM Cognos Connection, you must use remote PowerCubes as your data source.

To prevent errors ensure that you use the same format for URI settings in both the IBM Cognos PowerPlay Client installation and the IBM Cognos PowerPlay Server installation. For example, use a fully qualified domain name for all URI settings. Do not use a machine name in one configuration and a fully qualified domain name in the other configuration.

**Steps**

1. On the computer where you installed PowerPlay Client, start IBM Cognos Configuration.

2. In the Explorer window, click Environment.

3. In the Properties window, in the Gateway URI box, change the host name portion from localhost to either the IP address or network host name of the gateway computer.

4. Specify the value for the Dispatcher URI for external applications.

5. If the default password was changed on the Content Manager computer, do the following:
   - In the Explorer window, under Cryptography, click Cognos.
   - Under the Certificate Authority settings property group, for the Password property, type the same password specified on the default active Content Manager computer.
6. From the **File** menu, click **Save**.

**Restrict the Ports Used for Communication Between IBM Cognos PowerPlay Client and the Remote PowerPlay Services**

PowerPlay Client connects to the remote PowerPlay service through the IBM Cognos BI gateway. After establishing a connection through the gateway, by default, PowerPlay uses the first dynamic port available for communication between PowerPlay Client and the remote PowerPlay services. In some environments you may need to restrict communication to specific ports, such as when a firewall separates the PowerPlay Client computer and the PowerPlay service computer. To restrict port numbers you must complete configuration in IBM Cognos Administration and on each PowerPlay Client computer.

**Steps to Set a Port Number for the PowerPlay Service**

1. Start IBM Cognos Administration.

2. On the **Configuration** tab, click **Dispatchers and Services**.

3. Click a dispatcher name to show a list of services.

4. In the **Actions** column, click the **Set properties** icon for the **PowerPlay Service**.

5. Click the **Settings** tab.

6. In the **Value** column, click **Edit** for the **Environment** category.

7. Click **Override the settings acquired from the parent entry**.

8. Type the following parameter and value:
   
   Parameter= SRV.PPDSRM.ServerPort, Value= IN\(n\) where \(n\) is the restricted port number, such as 8010.

   For example, a completed advanced setting would look like the following:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRV.PPDSRM.ServerPort</td>
<td>IN,8010</td>
</tr>
</tbody>
</table>

9. Click **OK** on the **Set advanced settings** page.

10. Click **OK** on the **Set properties** page to save the configuration change.

**Steps to Set a Port Number for the PowerPlay Client Configuration**

1. On each PowerPlay Client computer, from the `powerplay_client_installation_location/configuration` directory, open `ppds_cfg_xml.sample` in a text or xml editor.

2. Locate the following section:
   
   `<Section value="PPDSRemote">`
   
   `<Port value="0"/>`

**Installation Guide 11**
3. Change the port value to the restricted port number, such as 8000.
   
   Note: Use a different port than the one set as an advanced setting of the PowerPlay service
4. Save the file, changing the name to ppds_cfg.xml.

Test the Installation

You can test the IBM® Cognos® PowerPlay® Client installation by opening PowerPlay.

Step to Test a Standalone PowerPlay Client Installation

- From the Start menu, under Programs, IBM Cognos 10, click PowerPlay.

  If the Welcome page for PowerPlay appears, the installation is successful.

Steps to Test a PowerPlay Client Installation Configured to Access Remote PowerCubes

1. From the Start menu, under Programs, IBM Cognos 10, click PowerPlay.

2. On the Welcome page, click Create a new report.

3. Click Remote.

4. If prompted, provide your authentication information.

5. Select a package and then click OK.

PowerPlay Client opens the data source and the title bar indicates a remote connection and data source name.

Uninstall IBM Cognos PowerPlay Client

It is important to use the IBM® Cognos® Business Intelligence uninstall programs to remove IBM Cognos BI products. Do not use the Microsoft® Windows® Add or Remove Programs tools.

Uninstalling does not remove any files that changed since the installation, such as configuration and user data files. Your installation location remains on your computer, and you retain these files until you delete them manually.

We recommend that you close all programs before you uninstall IBM Cognos BI products. Otherwise, some files may not be removed.

Steps

1. From the Start menu, click Programs, IBM Cognos 10, Uninstall IBM Cognos, Uninstall IBM Cognos.

   Uninstall Wizard appears.

2. Follow the instructions to uninstall the components.
The cognos_uninst_log.txt file records the activities that the Uninstall wizard performs while uninstalling files. This log file is created in the temp directory.

3. Delete all temporary Internet files.
   For more information, see your web browser documentation.
Chapter 2: Configuration Options

After the installation and initial configuration of IBM® Cognos® PowerPlay® Client you may need to change configuration settings. Changes are usually only required when configuration settings change in the IBM Cognos Business Intelligence environment. For example, you must update the PowerPlay Client configuration if cryptographic settings change on the Content Manager computer.

Common configuration changes include:

- change a URI
- configure cryptographic settings
- Add security to your communications using the Secure Sockets Layer (SSL) protocol

Change a URI

You can change certain elements in a URI depending on your environment. When you install IBM® Cognos® Business Intelligence components, the installation uses default configuration settings. If you have any reason not to use the default values, such as a port is being used by another process, use IBM Cognos Configuration to change the value.

An IBM Cognos URI contains the following elements:

- For a Gateway URI
  
  protocol://host_name_or_IP:port/virtual_directory/gateway_application  
  OR  
  protocol://host_name_or_IP:port/context_root/alias_path

- For a Dispatcher URI for external applications  
  protocol://host_name_or_IP:port/context_root/alias_path

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>protocol</td>
<td>Specifies the protocol used to request and transmit information, either Hyper Text Transfer Protocol or Hyper Text Transfer Protocol (Secure).</td>
</tr>
<tr>
<td>For example,</td>
<td></td>
</tr>
<tr>
<td>http or https</td>
<td></td>
</tr>
<tr>
<td>Element</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>host name or IP</td>
<td>Specifies the identity of the host on the network. You can use an IP address, a computer name, or a fully qualified domain name.</td>
</tr>
<tr>
<td>For example, localhost or 192.168.0.1</td>
<td>In a distributed installation, you must change the localhost element of a URI. In a mixed environment of UNIX and Windows servers, ensure that host names can be resolved to IP addresses by all servers in the environment.</td>
</tr>
<tr>
<td>port</td>
<td>Specifies the port on which the host system listens for requests.</td>
</tr>
<tr>
<td>For example, 9300 or 80</td>
<td>The default port for Tomcat is 9300. The default port for a web server is 80.</td>
</tr>
<tr>
<td>context root</td>
<td>Used by Tomcat or an application server to determine the context of the application so that the request can be routed to the correct web application for processing.</td>
</tr>
<tr>
<td>For example, p2pd</td>
<td></td>
</tr>
<tr>
<td>alias path</td>
<td>Used by the application server to route a request to the correct component within a web application. The alias path must not be modified or IBM Cognos BI components will not function properly.</td>
</tr>
<tr>
<td>For example, servlet/dispatch</td>
<td></td>
</tr>
<tr>
<td>virtual directory</td>
<td>Used by the web server to map a virtual directory or alias to a physical location. For example, in the default Gateway URI of <a href="http://localhost:80/ibmcognos/cgi-bin/cognos.cgi">http://localhost:80/ibmcognos/cgi-bin/cognos.cgi</a>, the virtual directory is ibmcognos/cgi-bin</td>
</tr>
<tr>
<td>gateway application</td>
<td>Specifies the name of the IBM Cognos BI gateway application that is used.</td>
</tr>
<tr>
<td>For example, cognos.cgi</td>
<td>For example, if you are accessing IBM Cognos BI components using a Common Gateway Interface (CGI), then the default gateway application would be cognos.cgi</td>
</tr>
</tbody>
</table>

**Steps**

1. Start IBM Cognos Configuration.
2. In the Explorer window, click Environment.
3. In the **Properties** window, click the **Value** box next to the URI property that you want to change.

4. Select the element and type the new information.

5. From the **File** menu, click **Save**.

### Change Cryptographic Settings

Cryptographic keys are used to encrypt passwords and data. All IBM® Cognos® Business Intelligence server and client components, including IBM Cognos PowerPlay® Client, must use the same cryptographic keys. During the initial configuration, PowerPlay Client communicates with Content Manager through the gateway to establish trust and obtain cryptographic keys from Content Manager. If the cryptographic keys on the Content Manager computer change, you must update the PowerPlay Client configuration to obtain the new cryptographic keys from Content Manager.

Complete the following steps on each PowerPlay Client computer.

#### Steps

1. Go to the `powerplay_client_installation_location\configuration` directory.

2. Delete the csk, encrypkeypair, and signkeypair directories.


4. In the **Explorer** window, under **Security**, click **Cryptography**.

5. In the **Properties** window, update the value of the properties as required to reflect changes in the cryptographic properties on the Content Manager computer.

6. From the **File** menu, click **Save**.

IBM Cognos Configuration creates new csk, encrypkeypair, and signkeypair directories in the configuration directory.

### Configure SSL Protocol

The Secure Sockets Layer (SSL) protocol is used to secure communication between IBM® Cognos® Business Intelligence components installed on the same computer or on different computers. If you configured IBM Cognos PowerPlay® Client for access to remote cubes and the PowerPlay servers are configured to use the SSL protocol, you must configure PowerPlay Client to use SSL also.

All PowerPlay computers in your environment must use the same protocol. For more information about configuring SSL on server computers, see the PowerPlay Installation and Configuration Guide.

#### Steps

1. Start IBM Cognos Configuration.

2. In the **Explorer** window, click **Environment**.
3. Configure the SSL protocol by changing the HTTP portion of the URI to HTTPS and specify the HTTPS port number for either of the following two settings:

- Gateway URI
- Dispatcher URI for external applications

   If the IBM Cognos PowerPlay server uses a different SSL setting than the one you configure, the setting on the server is used.

4. In the Explorer window, click Security, Cryptography, Cognos.

5. In the Properties window, specify a password for the IBM Cognos signing key store:

   - Under Signing key settings, click the value for Signing key store password and then click the edit button.
   - Type the new password in both boxes and then click OK.

6. In the Properties window, specify a password for the IBM Cognos encryption key store:

   - Under Encryption key settings, click the value for Encryption key store password and then click the edit button.
   - Type the new password in both boxes and then click OK.

7. From the File menu, click Save.
Chapter 3: Setting Up the Samples for IBM Cognos PowerPlay Client

IBM® Cognos® Business Intelligence provides sample reports that contain sales, marketing, and financial information for a fictional company named the Great Outdoors Company that sells sporting equipment. The samples are available on a separate disk and are described in the related user guides and online help. To use the samples, you must install and configure them, or contact your administrator to find out where they are installed.

Use the following checklist to guide you through the tasks:

- Install the samples.
- Test a sample report in PowerPlay Client.

Install the IBM Cognos Samples

The IBM® Cognos® Samples installation includes a variety content, data sources, models, cubes, reports, and other types of content, to support all IBM Cognos Business Intelligence components. Only some of the samples content is of interest to IBM Cognos PowerPlay® users. Instead of adding the entire IBM Cognos Samples installation to the PowerPlay computer, install the samples to a shared network location and then copy relevant content to the PowerPlay computer. Users of other IBM Cognos BI components can copy samples from the same network location.

For a description of the sample cubes and reports, see the PowerPlay Client User Guide.

Steps to Install Samples

1. Do one of the following:
   - Insert the IBM Cognos BI Samples disk.
     If the installation wizard does not open automatically, go to the operating system directory, and double-click isetup.exe.
   - Go to the location where the installation files were downloaded and extracted and double-click isetup.exe.

2. Select the language to use for the installation.
   The language that you select determines the language of the user interface. You can change the language to any of the installed languages after installation.

3. Follow the directions in the installation wizard to copy the required files to your computer.
4. In the Finish page of the installation wizard, click Finish.

**Steps to Add Samples to the PowerPlay Client Computer**

1. In the webcontent directory of the PowerPlay Client installation, create a new folder called samples.
   
   If you used the default installation location, the path to the new folder will be C:\Program Files\ibm\cognos\c10\webcontent\samples

2. Copy the following content from the IBM Cognos Samples installation to the new samples folder on the PowerPlay Client computer. Do not combine the contents of the report folders for local cubes and remote packages into a single folder.
   
   - c10_samples_location\webcontent\samples\datasources\cubes\PowerCubes\language\great_outdoors_sales_en.mdc
   
   - c10_samples_location\webcontent\samples\powerplay_reports\powerplay\reports_for_local_cubes\language
   
   - c10_samples_location\webcontent\samples\powerplay_reports\powerplay\reports_for_remote_packages\language

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**Test a Sample Report in IBM Cognos PowerPlay Client**

You can test the samples by opening reports in IBM® Cognos® PowerPlay® Client. To test a report based on a remote package, a sample package must be set up on the PowerPlay installation. For more information, see the PowerPlay Installation and Configuration Guide.

**Steps to Open a Report Based on a Local Cube**

1. Start PowerPlay Client.

2. In the Welcome page, click Open an existing report.

3. In the Choose a Report dialog box, click the arrow in the Look in box, find the directory containing the reports for local cubes, select a report, and then click Open.

4. In the Choose a Local Cube dialog box, click the arrow in the Look in box, find the directory containing great_outdoors_sales_en.mdc file, and then click Open.

   The report opens in PowerPlay.

**Steps to Open a Report Based on a Remote Package**

1. Start PowerPlay Client.

2. In the Welcome page, click Open an existing report.

3. In the Choose a Report dialog box, click the arrow in the Look in box, find the directory containing the reports for remote packages, select a report, and then click Open.

4. If prompted, select a package.
The report opens in PowerPlay.
Chapter 3: Setting Up the Samples for IBM Cognos PowerPlay Client
Index

C
changing
default configuration settings, 15
configuration
changing cryptographic settings, 17
changing default settings, 15
changing URIs, 15
default settings for PowerPlay, 15
configuring
connection to the PowerPlay Server, 10
port numbers, 11
PowerPlay Client, 10
SSL protocol, 17
cryptographic settings
changing, 17

F
file association
updating, 10
firewalls
configuring port numbers, 11

I
installation
testing samples, 20
installing
PowerPlay Client, 8
samples, 19

P
port numbers
configuring, 11
restricting, 11
ports
changing, 15
PowerPlay Client
uninstalling, 12

R
registry settings
updating, 10

S
samples
installing, 19
secure sockets layer, See SSL protocol
SSL protocol
configuring, 17
system requirements, 7

testing
installation, 12
samples, 20

U
uninstalling
PowerPlay Client, 12
URIs
changing, 15