

Healthcare Database Connector

Installation and Setup Guide

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What is the Healthcare Database Connector?

The Healthcare Database Connector allows you to create, read, update, and delete records stored in the Healthcare Database through web services. The combination of the Healthcare Database and Healthcare Database Connector allows you to easily store and retrieve healthcare data.

The Healthcare Database Connector provides two types of web service interfaces for interacting with the Healthcare Database.

- A REST interface that supports create, read, update, and delete operations.
- A SOAP interface that supports create, update, and delete operations.

Note For the best results, use the REST interface to interact with the Healthcare Database.

This guide describes how to install and configure the Healthcare Database Connector. It does not include information about the REST or SOAP interfaces. For more information, refer to the REST interface API documentation.

For more information about other required Perceptive Connect Runtime components, refer to the [Perceptive Connect Runtime Installation and Setup Guide](#).

Prerequisites

You must have access to a working installation of the following products on your network before you install and use this connector.

- Perceptive Integration Server 7.1.1 or higher
- Perceptive Connect Runtime 1.1.10 or higher
- Perceptive Content Connector 1.0.10 or higher
- Healthcare Database 1.0.x

Install the Healthcare Database Connector

To download the connector and install it with the Perceptive Connect Runtime Web Console, complete the following tasks.

Download and extract the files

To download the Healthcare Database Connector ZIP folder and extract the files, complete the following steps.

1. Go to www.perceptivesoftware.com and log in to the Customer Portal.
2. In the **Product Downloads** page, search for the **Healthcare Database Connector** file.
3. Download the file and extract the contents to a temporary directory on your computer. Your computer must have access to the Perceptive Connect Runtime Web Console, located at **`http://<Perceptive Connect Runtime machine name>:<port>/connect`**.

Install the Healthcare Database Connector

To install the Healthcare Database Connector, complete the following steps.

1. In a browser, navigate to the **Perceptive Connect Runtime Web Console** URL in the format **http://<Perceptive Connect Runtime machine name or IP>:<port>/connect**.
2. In the browser dialog box, enter the Web Console user name and password.
3. On the **Perceptive Connect Web Console Bundles** page, select **Install/Update**.
4. In the **Upload/Install Bundles** dialog box, complete the following substeps.
 - Select the **Start Bundle** check box.
 - Clear the **Refresh Packages** check box.

Note The **Start Level** remains at the default value.
5. To install the JAR files included in the connector ZIP file, complete the following substeps.
 1. Select **Browse or Choose File** and navigate to the connector in your temporary directory.
 2. Select the **HDB Model**, **HDB Endpoint**, **HDB Datasource**, and **HDB Common** JAR files, and select **Open**.
 3. Select **Install or Update**.

Verify the Healthcare Database Connector setup

To verify the Healthcare Database Connector default settings, complete the following steps.

1. In a browser, navigate to the Perceptive Connect Runtime Web Console at **http://<Perceptive Connect Runtime machine name or IP>:<port>/connect**.
2. Under **Perceptive Connect**, select **View Configuration**.
3. In the **View Configuration** dialog box, under **Healthcare Database Connector**, expand **Data Sources**.
4. Under **Data Sources**, in the **DataSource name** field, verify that **hdb** displays for the name.
Optional. Enter a DataSource description.
5. In the **DataSource driver** field, verify that **com.microsoft.sqlserver.jdbc.SQLServerDriver** displays for the driver.
6. In the **Connection string** field, verify that **jdbc:sqlserver://<Healthcare Database machine name or IP>:<port>;databaseName=HDB** shows for the string.
7. In the **Username** field, verify that **hdbuser** shows for the username.
8. In the **Password** field, enter the password for the phcuser in your Healthcare Database.
Note The default password is HealthcareDB!. Change the password in **Microsoft SQL Server Management Console**.
9. In the **Maximum pool size** field, verify **1** shows for the pool size.
10. In the **Component group** field, verify **Healthcare Connector** shows for the component group.
11. Click **Save**.

Configure the Healthcare Database Connector security

To configure the Healthcare Database Connector security, complete the following tasks.

Configure the Healthcare Database Connector REST API authentication

Authentication determines the identity of a user. The REST API uses Perceptive Integration Server to authenticate users by checking a session ID provided as a header in the REST web service call. To configure the Perceptive Integration Server connection in Perceptive Connect Runtime, complete the following steps:

1. In a browser, navigate to the Perceptive Connect Runtime Web Console at **http://<Perceptive Connect Runtime machine name or IP>:<port>/connect**.
2. Under **Perceptive Connect**, select **View Configuration**.
3. On the **View Configuration** page, under **Perceptive Content Connector**, click on **Integration Server 6.8 Connection**.
4. In the **Integration Server URL** field, enter the URL pointing to the instance of Integration Server used for authentication.
5. Click **Save**.

Configure the Healthcare Database Connector SOAP API authentication

Authentication is the process of determining the identity of a user. The SOAP API uses WS-Security with a password type of PasswordText to allow or reject requests. To configure the user allowed to access the SOAP API, complete the following steps:

Note The credentials for the configured user should not match those of an existing user. Instead, the credentials should be created and used only for the connector.

1. In a browser, navigate to the Perceptive Connect Runtime Web Console at **http://<Perceptive Connect Runtime machine name or IP>:<port>/connect**.
2. Under **Perceptive Connect**, select **View Configuration**.
3. In the **View Configuration** dialog box, under **Healthcare Database Connector**, select **Healthcare SOAP Endpoint**.
4. In the **User name** field, enter the user name.
5. In the **Password** field, enter the password.
6. Click **Save**.

Configure the Healthcare Database Connector security using Cross Origin Resource Sharing

CORS is a mechanism a web browser uses to determine which domains can make requests from a script, except from the domain where the script originated.

By default, CORS is enabled for Perceptive Connect Runtime, and is restricted to the local domain. To configure CORS on Perceptive Connect Runtime, complete the following steps:

1. Navigate to the location of the **Perceptive Connect Runtime** installation.
Example: C:\Perceptive Connect Runtime\
2. In a text editor, open the **config.properties** file located in the **/conf** directory.
3. Navigate to the **Cross Origin Resource Sharing** section and perform one of the following tasks.
 - To disable CORS support for Perceptive Connect Runtime, set the **connect.rs.cors.enabled** setting to **False**.
Note The default setting is True.
 - To allow requests from any domain, set the **connect.rs.cors.allow.all.origins** setting to **True**.
Note The default setting is False.
 - To allow certain domains to make requests, add the domain URLs to the **connect.rs.cors.allowed.origins** setting in a comma-separated string.
Note The port number must be included when defining a domain.
4. Save the file and exit.
5. Restart **Perceptive Connect Runtime**.

Configure inbound and outbound SSL connections

For information on configuring inbound and outbound SSL connections, refer to the Configuring SSL section found in the Perceptive Connect Runtime [help](#).