

# Perceptive DataTransfer

## System Overview Guide

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## Introduction

This document provides information about the Perceptive DataTransfer system architecture and server and client requirements. Refer to the following sections for more information.

- [System Architecture](#)
- [Server Requirements](#)
- [Client Requirements](#)

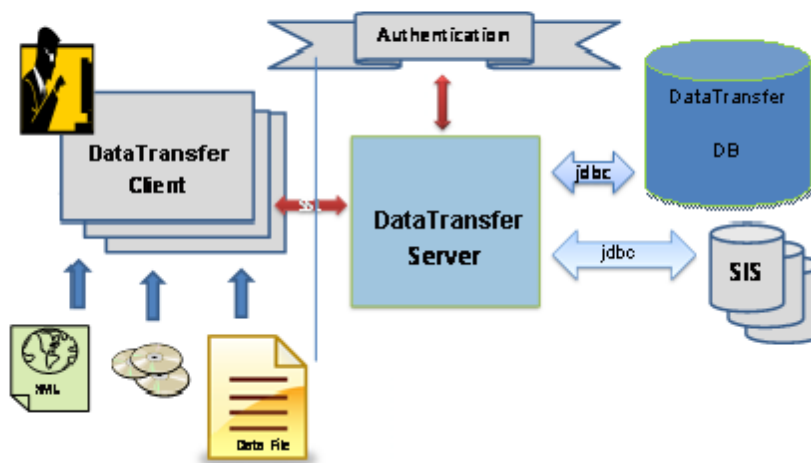
## System Architecture

Perceptive DataTransfer comprises the server and client components.

The client is a combination of JavaScript (AJAX) and HTML. It communicates, over a secure HTTP channel, to the backend server, which is a Java web application running in an Apache Tomcat container. Communication from the client to the server is protected with channel encryption and with a generic authentication layer. The authentication layer supports a variety of pluggable authentication protocols and services. The security layer wraps all actions that the clients request from the server.

The server communicates to its own database and to other enterprise databases through an abstraction layer.

## System Architecture



Perceptive DataTransfer is installed on a server. Users access Perceptive DataTransfer through a browser; no software installation on the client computers is necessary.

## Server Requirements

Your server must meet the following minimum requirements so that you can install and administer Perceptive DataTransfer.

Requirement Type	Requirement
Memory	Minimum 4 GB dedicated memory (8 GB recommended)
Processor	3 GHz 64-bit processor (minimum four total cores; eight total cores recommended)
Hardware and software requirements	<p>The server runs on any platform that supports 64-bit Apache Tomcat versions 8.0.48 / 9.0.38 and 64-bit Java 1.8 or AdoptOpenJDK 8, including the following platforms:</p> <ul style="list-style-type: none"><li>• Microsoft Windows 64-bit platforms:<ul style="list-style-type: none"><li>• Windows Server 2012 or 2016</li></ul></li><li>• Linux 64-bit platform:<ul style="list-style-type: none"><li>• Red Hat Enterprise Linux (RHEL) 7.0 or 8.0</li></ul></li></ul>
Metadata storage memory	5 GB
Perceptive DataTransfer Host Databases	<p>The following databases are supported:</p> <ul style="list-style-type: none"><li>• Oracle Database 12c R1 or 12c R2 or 18c or 19c</li><li>• Microsoft SQL Server 2008, 2012, or 2016</li><li>• MySQL 8</li></ul>
SIS Databases	Any relational database with a JDBC driver (Oracle, Microsoft SQL Server, and MySQL have been tested).

Requirement Type	Requirement
Application Server	<p>Apache Tomcat versions 8.0.48 / 9.0.38</p> <p>After you install the Tomcat server, you must increase the default memory value. You can specify the memory values by configuring a system-wide environment variable, such as JAVA_OPTS. Set the minimum memory to 512 MB and the maximum memory to 8192 MB. For example:</p> <pre>JAVA_OPTS="-Xms512m -Xmx8192m"</pre> <p>If you are using a headless implementation on a Linux or a UNIX system, add the following parameter to the JAVA_OPTS environment variable:</p> <pre>-Djava.awt.headless=true</pre> <p>Optionally, you can use:</p> <pre>-XX:MaxMetaspaceSize=&lt;Metaspace Size&gt;(m g)</pre> <p>For example:</p> <pre>-XX:MaxMetaspaceSize=1024m</pre> <p>to set an upper bound on the MetaSpace. This field is optional because this native memory region grows automatically by default. For more information, refer to the <a href="#">Oracle</a> documentation.</p>
Perceptive Content	Foundation EP1 (7.4.0.261) and Perceptive Content 7.3.0.372

If you encounter any issue during installation, contact Hyland Technical Support.

## Client Requirements

Client computers must meet the following minimum requirements so that users can use Perceptive DataTransfer.

Requirement Type	Minimum Requirement
Memory	512 MB RAM dedicated memory
Processor	2 GHz

Requirement Type	Minimum Requirement
Hardware and software requirements	<p>Client</p> <ul style="list-style-type: none"><li>• Microsoft Windows 10 Enterprise</li><li>• Linux</li></ul> <p>Monitor</p> <ul style="list-style-type: none"><li>• XGA resolution 1024 x 768 or greater</li><li>• A monitor with SXGA resolution 1280 x 1024 or WXGA resolution is recommended.</li></ul>
Browser requirements	<p>The following browsers are supported:</p> <ul style="list-style-type: none"><li>• Microsoft Internet Explorer 11.0 on supported Microsoft Windows platforms</li><li>• Mozilla Firefox 77</li><li>• Apple Safari 14</li><li>• Google Chrome 84</li><li>• Microsoft Edge 42</li></ul> <p><b>Note:</b> You must enable cookies and allow popups in your browser. See your browser's documentation for more information.</p>

## Configuring Security Settings in Internet Explorer

When users are uploading files to Perceptive DataTransfer in any browser, the browser may display C:\fakepath instead of the actual path of the file. This is a security setting to prevent the system structure from being exposed when files are uploaded. To disable this setting in Internet Explorer 11, complete the following steps.

1. In Internet Explorer, select **Tools > Internet Options**.
2. In the **Internet Options** dialog box, click the **Security** tab.
3. Click the **Custom Level** button.
4. In the **Security Settings** dialog box, navigate to the **Miscellaneous > Include local directory path when uploading files to a server** option.
5. Click **Enable**.
6. In the dialog box, click **Yes** to confirm the security changes and close the dialog box.
7. In the **Internet Options** dialog box, click **OK** to save your changes and close the dialog box.