

# **PowerSchool WS-Trust Bridge Administrator Guide**

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PowerSchool  
Student Information System

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This edition applies to Release 10 of the PowerSchool software and to all subsequent releases and modifications until otherwise indicated in new editions or updates.

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## Preface

Use this guide to assist you while navigating PowerSchool. This guide is based on the PowerSchool online help, which you can also use to learn the PowerSchool Student Information System (SIS) and to serve as a reference.

The PowerSchool online help is updated as PowerSchool is updated. Not all versions of the PowerSchool online help are available in a printable guide. For the most up-to-date information, click Help on any page in PowerSchool.

### Referenced Sections

This guide is based on the PowerSchool online help, and may include references to sections that are not contained within the guide. See the PowerSchool online help for the referenced section.

### Security Permissions

Depending on your security permissions, only certain procedures may be available to you.

### Navigation

This guide uses the > symbol to move down a menu path. If instructed to “Click **File > New > Window**,” begin by clicking **File** on the menu bar. Then, click **New** and **Window**. The option noted after the > symbol will always be on the menu that results from your previous selection.

### Notes

It is easy to identify notes because they are prefaced by the text “**Note:**”

# Introduction

Using the WS-Trust protocol, your SAML Service Provider can now communicate with an Active Directory Federation Service (ADFS).

**Notes:**

- The PowerSchool WS-Trust Bridge plugin requires PowerSchool 9.0 or greater to be installed.
- For more information about the PowerSchool WS-Trust Bridge plugin, see the *PowerSchool WS-Trust Bridge* section of the *PowerSchool Developer Site* available on [PowerSource](#).
- For information about SAML Service Provider, see the *PowerSchool as a SAML Service Provider* section of the *PowerSchool Developer Site* available on [PowerSource](#).
- For PowerSchool issues, contact PowerSchool Technical Support.
- For ADFS issues, contact your ADFS service provider.

# Setup

Before you can begin using the PowerSchool WS-Trust Bridge plugin, you will need to perform the setup items in this section.

## Configure PowerSchool Installation Settings

In order for the PowerSchool WS-Trust Bridge plugin to function, the **PowerSchool WS-Trust Bridge** checkbox on the Deploy and Configuration Application page must be selected for all nodes during the PowerSchool installation process. For more information, see the *Installation Guide for PowerSchool 9.x* available on [PowerSource](#).

## Install PowerSchool WS-Trust Bridge

Once you have installed PowerSchool with the correct settings, you can then install the PowerSchool WS-Trust Bridge plugin.

### How to Install PowerSchool WS-Trust Bridge

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **Install**. The Plugin Install page appears.
5. Click **Browse...**. The Browse Plugins pop-up appears.
6. Click **Install** for **PowerSchool WS-Trust Bridge**. The pop-up closes and a confirmation message appears.

## View PowerSchool WS-Trust Bridge Plugin Information (Optional)

Once the PowerSchool WS-Trust Bridge plugin is installed, it appears in the Installed Plugins section on the Plugin Management Dashboard page.

### How to View PowerSchool WS-Trust Bridge Plugin Information

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.

3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Use the following table to view information on this page:

Field	Description
Plugin Name	The name of the plugin.
Plugin Description	A description of the plugin.
Plugin Version	The version number of the plugin.
Publisher	The name of the publisher.
Publisher Email	The email of the publisher.
Enabled	Indicates whether or not the plugin is enabled.

## Configure PowerSchool WS-Trust Bridge

Using the WS-Trust Bridge Setup for PowerSchool WS-Trust Bridge page, you can configure the bridge settings needed to establish a successful connection between your SAML Service Provider and your ADFS.

### How to Configure PowerSchool WS-Trust Bridge

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Click **WS-Trust Bridge**. The WS-Trust Bridge Setup for PowerSchool WS-Trust Bridge page appears.

6. Use the following table to enter information in the fields:

Field	Description
Security Attribute Name	The name of the ADFS claim. Claims are used for authorization purposes.
Realm	The URL used by PowerSchool to communicate with ADFS. PowerSchool WS-Trust Bridge plugin installation defaults the value to the External Access on the Global Server Settings page.
Passive Address	The URL of the ADFS.
IDP Signing Cert	The name of the certificate used to sign the SAML response. The certificate must be the same as the certificate used by ADFS.
Encryption Cert	The name of the certificate used to encrypt the security token. The certificate must be the same as the certificate used by ADFS. <b>Note:</b> This field is optional.

7. Click **Save**. A confirmation message appears.

## View SAML Service Provider Settings (Optional)

Using the SAML Service Provider Setup page, you can quickly and easily view detailed information about SAML Service Provider settings that have been added to PowerSchool as part of the PowerSchool WS-Trust Bridge plugin installation. Additionally, you can use this page to correct or update information as needed.

**Note:** This procedure is for a plugin that defines PowerSchool as a Service Provider. For a plugin that defines PowerSchool as a SAML Identity Provider, see *SAML Single Sign-On*.

## How to View External Identity Provider Settings

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.



3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Click **SAML Service Provider**. The SAML Service Provider Setup for PowerSchool WS-Trust Bridge page appears.
6. Use the following table to edit information in the External Identity Provider Settings fields:

Field	Description
Name	The external identity provider's name. <b>Note:</b> This field is read-only.
Entity ID	The external identity provider's public URL.
Metadata URL	The service provider's metadata URL. The value is supplied by the service provider, which allows the IDP to communicate with the service provider application.
View IDP Metadata	The external identity provider's IDP Metadata must match what is stored in PowerSchool. This information can be used to diagnose communication issues.  <ol style="list-style-type: none"> <li>1. Click to view. A separate window appears.</li> <li>2. When done viewing, close the window.</li> </ol>

7. Click **Save**. A confirmation message appears.

## How to View Local Service Provider Settings

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.

4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Click **SAML Service Provider**. The SAML Service Provider Setup for PowerSchool WS-Trust Bridge page appears.
6. Use the following table to edit information in the Local Service Provider Settings fields:

Field	Description
Name	The local service provider's name.
Base URL	The local service provider's base URL. <b>Note:</b> This field is read-only.
Metadata URL	The local service provider's metadata URL. <b>Note:</b> This field is read-only.
Entity-ID	The local service provider's public URL. <b>Note:</b> This field is read-only.

7. Click **Save**. A confirmation message appears.

## How to View PowerSchool User Identifying Elements for SSO

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Click **SAML Service Provider**. The SAML Service Provider Setup for PowerSchool WS-Trust Bridge page appears.
6. Scroll to the PowerSchool User Identifying Elements for Single Sign-On section.
7. Click **Cancel** when done viewing.

## Manage Link Details (Optional)

Using the Link Details page, you can quickly and easily view detailed information about PowerSchool WS-Trust Bridge links that have been added to PowerSchool as part of the PowerSchool WS-Trust Bridge installation. Additionally, you can control which schools can view the PowerSchool WS-Trust Bridge links.

**Note:** This procedure is only applicable if the plugin configuration file you installed declares navigation links.

### How to Manage Link Details

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Click **Link Details**. The Link Details page for the selected plugin displays the following information for each portal:

Field	Description
[Portal]	<p>The name of the portal:</p> <ul style="list-style-type: none"> <li>• Administrator Portal</li> <li>• Teacher Portal</li> <li>• Guardian Portal</li> <li>• Student Portal</li> </ul>
Displayed in # / # Schools	Indicates the number of school the link displays in.
Modify	<p>For detailed information, see <a href="#">Configure School Access</a>.</p> <p><b>Note:</b> This setting controls only the display of links associated to a plugin. This does not restrict users from accessing content referred to by these links. Only the display of links based on the user's school context is affected.</p>

URL	The URL of the link, including <HostName>:<Port><Path>.
Display Text	The link title text appears.
UI Location	The location(s) where the link appears in the PowerSchool user interface.
SSO	Indicates whether or not the link is used for SSO.

## Configure School Access (Optional)

Using the Link Display by School drawer, you can control which schools can view PowerSchool WS-Trust Bridge links.

**Note:** Third party links appear in PowerSchool based on the navigation links defined in the plugin configuration file.

**Note:** This procedure is not applicable to plugins that handle their own school level access.

**Note:** School-level permissions within PowerTeacher Pro 1.0 will use the permissions of the school from which PTP was launched.

## How to Configure School Access

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Click **PowerSchool WS-Trust Bridge**. The PowerSchool WS-Trust Bridge Setup page appears.
5. Click **Link Details**. The Link Details page for the selected plugin appears.
6. Click **Modify** next to the portal for which you want to configure school access. The Link Display by School drawer opens.
7. Use the following table to enter information:

Field	Description
Schools Where Links Not Displayed	<p>Schools that have not been granted access to the plugin appear.</p> <p>To grant access to a plugin, highlight one or more schools in the list and click the arrow (&gt;). The selected school appears in the Schools with access to plugin column.</p> <p><b>Note:</b> To select multiple schools, press and hold COMMAND (Mac) or CONTROL (Windows) as you click each school.</p> <p>To grant access to a plugin for all schools, click the double arrow (&gt;&gt;). All schools appear in the Schools with access to plugin column.</p>
Schools Where Links Displayed	<p>Schools that have been granted access to the plugin appear.</p> <p>To revoke access to a plugin, highlight one or more schools in the list and click the arrow (&lt;). The selected school appears in the Schools without access to plugin column.</p> <p><b>Note:</b> To select multiple schools, press and hold COMMAND (Mac) or CONTROL (Windows) as you click each school.</p> <p>To revoke access to a plugin for all schools, click the double arrow (&lt;&lt;). All schools appear in the Schools without access to plugin column.</p>

6. Click **Submit**. The Link Display by School drawer closes and a confirmation message appears.

## Enable PowerSchool WS-Trust Bridge

By default, the PowerSchool WS-Trust Bridge plugin is not enabled. Once enabled, your SAML Service Provider can now communicate with an Active Directory Federation Service (ADFS).

### How to Enable PowerSchool WS-Trust Bridge

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.

3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Select the **Enable/Disable** checkbox for the PowerSchool WS-Trust Bridge plugin. The Enable Plugin drawer appears.
5. Review the content.

**Note:** If you have installed a plugin that is dependent on page customizations, you must enable page customizations on the Customizations page. For more information, see *Customizations*.

**Note:** If PowerSchool encounters errors with the plugin, detailed information about the errors appears and you may not proceed with enabling the plugin.

6. Click **Enable** to proceed. A confirmation message appears.

## How to Disable PowerSchool WS-Trust Bridge

1. On the start page, choose **System** under Setup in the main menu. The System Administrator page appears.
2. Under Server, click **System Settings**. The System Settings page appears.
3. Click **Plugin Management Configuration**. The Plugin Management Dashboard page appears.
4. Deselect the **Enable/Disable** checkbox for the PowerSchool WS-Trust Bridge plugin. The Disable Plugin pop-up appears.
5. Click **Yes**. A confirmation message appears.

## Restart PowerSchool

Restart all nodes of PowerSchool for the changes to take effect.