PowerPTC

Configuring General SSO with eSchoolPlus

General Single sign-on is a BETA feature in PowerPTC, and may be changed or excluded from future releases. Please see the **Administrator User Manual** document for limitations and issues related to SSO. At the time of writing, eSchoolPlus does not have any formal support for SSO. This implementation also uses a man-in-the-middle method and page scraping to verify user authentication. This feature could be changed, or blocked at any point without notice from eSchoolPlus.

Step 1 - Request SSO Activation on Your Account

1. Log into your account at https://www.powerptc.net
2. Go to the **Support** section and click on the "**+**" button to open a support ticket with the title "Enable SSO Features". This is just to alert us to enable SSO on your account as we haven't made this available to all accounts yet.

Step 2 - Configure SSO Settings

You will not be able to complete this step until you receive an email notification that single sign-on has been enabled on your account.

In PowerPTC:
1. From the home screen of PowerPTC, click on the **Configure** section
2. Click on **Authentication Settings**
3. Click on the **General SSO** tab
4. Check the **Enabled SSO** checkbox
5. Change the **SSO Type** setting to **Basic Form User Verifier (with cookies)**
6. Change the **URL Template** setting to:

   https://your-eschoolplus-host/HomeAccess/Account/LogOn?ReturnUrl=%2fHomeAccess

   You will need to replace your "your-eschoolplus-host" with the appropriate settings.

7. Change **Header Data** to the following:

   Content-Type=application/x-www-form-urlencoded&Content-Language=en-US

8. Change **POST Data** to the following:

   SCKTY00328510CustomEnabled=False&SCKTY00436568CustomEnabled=False&VerificationOption=UsernamePassword&Database=10&LogOnDetails.Username=${username}&LogOnDetails.Password=${password}

9. Change **Text Match for Success** to the following:

Version 4.2 or earlier

boolean(/html/body/div[@class="sg-main-header"]//li[contains(@class, 'sg-menu-element-logoff')]/a[@href='/HomeAccess/Account/LogOff'])

Version 19.4 or later

boolean(/html/body/div[@class="sg-main-header"]//li[contains(@class, 'sg-menu-element-logoff')]/a[@href='/HomeAccess/Account/Logoff'])

10. Click on the **Update Settings** button

Step 3 - Upload the User Mapping

PowerPTC requires a guardian's email and associated student(s) to generate an account. In order to generate an account, this information is required in a CSV file. The file takes the format below, and a template can be downloaded from:

1. From the home screen of PowerPTC, click on the **Configure** section
2. Click on **Authentication Settings**
3. Click on the **General SSO** tab
4. Click on **Upload Mappings**
5. Click on the **SSO User Template**

The fields required in this file are:

1. Username - The username user to authenticate to eSchoolPlus
2. Guardian First Name
3. Guardian Last Name
4. Email Address - The guardian email address
5. Students - A comma separated list of student numbers to be associated with this account

Now that we have the SSO Guardian user mapping file ready, we need to upload it to PowerPTC.net.

1. Log into **PowerPTC.net** with an administrator account and go to the **Configure** section
2. Click on **Authentication Settings** in the left-hand menu
3. Click on the **General SSO** tab
4. Click on the link titled **Upload Mappings**
5. Upload your file from the previous step

Step 4 - Test out a Guardian Account

In this step you will need a valid guardian account on your SIS to test with. You will also need to obtain your PowerPTC customer specific URL. This URL is used to specify the organization you are attempting to authenticate with. To obtain this URL, perform the following:

1. Log into **PowerPTC.net** with an administrator account and go to the **Configure** section
2. Select the **Site Customizations** menu item
3. Record the address defined under the **Custom URL** area
4. Log out of PowerPTC
5. Enter the Custom URL into your browser