

PowerSchool API

Developing external applications

What is the API?

A set of web services that allow software developers to integrate their applications with PowerSchool.

Is the API right for me?

Are you a software developer?

Do you have an external web application?

Do you want to integrate your web app with PowerSchool?

What can it do?

Data Access (read/write)

Links inside PowerSchool to your web app.

Single sign-on allowing PS users onto your website.

Registration of plugin with your web app

How to start

Determine what features you want

Review documentation

Build a plugin xml file for desired features

Links

Simplest feature of the API system

Define links to your external web application.

Each link defines where it will appear in PowerSchool.

Registration (part 1)

Your web app must know two pieces of information in order to use the API.

Client Id

Client Secret

Recording the client id and secret can be automated.

Registration (part 2)

Requires SSL on both servers

Plugin.xml file must contain your server address where registration request will be sent.

If registration fails, then you must manually get the id/secret, or delete and reinstall the plugin.

Single Sign On

OpenID

SAML

[View documentation for samples](#)

Data Access authorization

Requires an `access_token` for all web requests.

Get the `access_token` by making a request with the client id/secret.

Data Access

What data is available?

Read, Create, Update student data.

Assignments

Courses

District

School

Section Enrollment

Section

Staff

Terms