Piano Integration

**Introduction**

Piano is enterprise-level ecommerce paywall software platform that helps sites to charge for access to content. The company allows Web publishers and creators to manage and sell access to their premium content, such as blog posts, site subscriptions, digital downloads, or pay-per-view videos without changing their site’s existing structure. It enables users to deploy its solutions using its existing plug-ins for CMS platforms (Drupal, Joomla, or WordPress) or using its API by integrating into an existing system.

**Developers Guide**

Two dashboards are available:

<https://sandbox.tinypass.com/> used for development.

<https://dashboard.tinypass.com/> used for live site.

In sandbox/dashboard various blocks/sections available to create your site experiences.

Under Products > composer you can create experiences for specific urls on your site.

You can show templates based on user conditions/access granted, login/logout condition.

You can create different offers( combination of terms created under Resources). Piano provide you option for creating your own templates or editing available templates used for various parts of integrations e.g. My Account, email manager, main layout etc.

In addition to dashboards, Piano provide APIs and and SDKs to improve your functionality and requirements. For APIs you can test for sandbox and dashboard:

<https://sandbox.tinypass.com/api-docs/index.html>

<https://api.tinypass.com/api-docs/index.html>

**Integration**

**Piano Documentation is available at:**

<https://docs.piano.io/>

API doc: <https://docs.piano.io/api/>

You can try APIs at

sandbox: <https://sandbox.tinypass.com/api-docs/index.html>

live: <https://api.tinypass.com/api-docs/index.html>

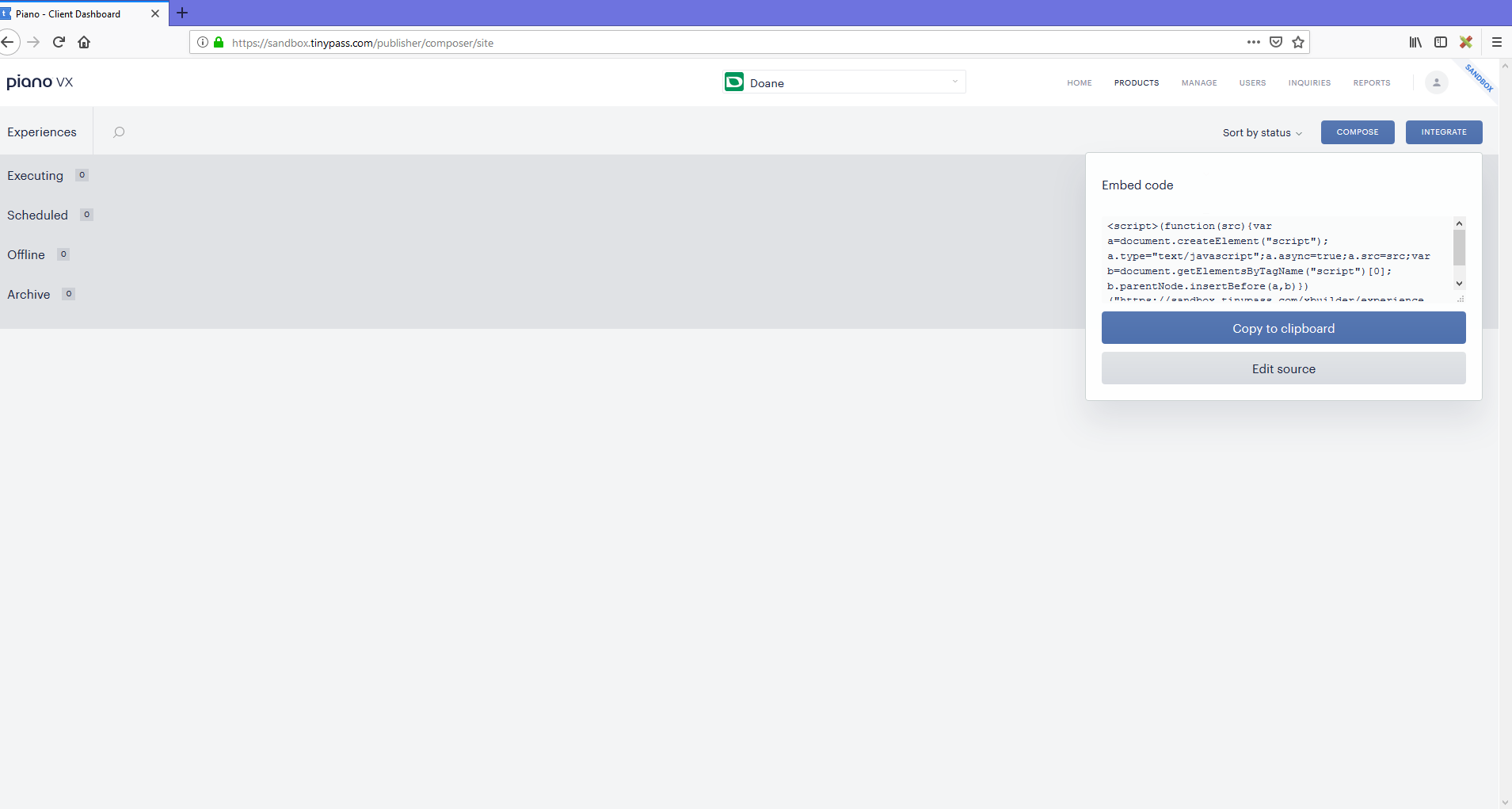
You have to enter respective Publisher API Token at **API Token & Security** section.

SDKs are available at: <https://docs.piano.io/sdk/>

Piano integration in website starts with basic two steps integration, **Composer script** and **Adblock detection** script.

1. **Composer script -**

Go to piano dashboard/sandbox - Products -> Composer. click on Integrate



Copy the composer script and add it to site **before** ending body tag(**</body>**) of every page.

2. **Ad block detection script -**

go to link <https://docs.piano.io/track/implementing-piano> and get the script and add it to **first in** **<head>** tag of every page.

<script>// Piano Ad Block Detection Code Starts

document.cookie = "\_\_adblocker=; expires=Thu, 01 Jan 1970 00:00:00 GMT; path=/";

var setNptTechAdblockerCookie = function (adblocker) {

var d = new Date();

d.setTime(d.getTime() + 60 \* 60 \* 24 \* 2 \* 1000);

document.cookie = "\_\_adblocker=" + (adblocker ? "true" : "false") + "; expires=" + d.toUTCString() + "; path=/";

};

var script = document.createElement("script");

script.setAttribute("async", true);

script.setAttribute("src", "//www.npttech.com/advertising.js");

script.setAttribute("onerror", "setNptTechAdblockerCookie(true);");

document.getElementsByTagName("head")[0].appendChild(script);

// Piano Ad Block Detection Code Ends

</script>

**Functionality workouts**

Next is to implement login, logout, my account, reset password functionality. we have to develop logic for it in Javascript. Check if user is logged in and make respective menus available.

First of all create object : **tp = window["tp"] || [];**

You can check whether user is logged in by - **tp.user.isUserValid()**

based on what it returns you can show or hide the menus.

Both of the above scripts should be available on all pages of the site. So as per our requirement, our websites are in Drupal 8, we added code/script in html.html.twig template of our theme as this template is rendered on each page. All Menu driven piano scripts, login, logout, registration based situation scripts are written in this template.

**Collecting user transaction and user data while registration-**

When user complates user registration by filling up registration Form user is created and get logged in into the system. then he makes payment at payment screen. as he completes payments process successfully at this event we can track the details of this transaction using following Handlers and api calls.

tp.push(["addHandler", "loginSuccess", function (response) {}])

api call- tp.api.callApi('/anon/user/get', {}, function (data) {})

tp.push(["addHandler", "checkoutComplete", function (conversion) {}])

tp.api.callApi('/publisher/conversion/get', {aid: "g3jA5W8JeL",api\_token: "RamRBVDhA84XNo2e2A8Ckzw8et0jo0GV0yqH1ajk",term\_conversion\_id: conversion.termConversionId}, function(response){})

**Reset Password page**

On reset password page you need to add following script:

**<script>**

**tp.push(['init', function() {**

**// Password can be reset only if user is anonymous**

**if (!tp.user.isUserValid()) {**

**// If URL has reset\_token parameter**

**var tokenMatch = location.search.match(/reset\_token=([A-Za-z0-9]+)/);**

**if (tokenMatch) {**

**// Get value of the token**

**var token = tokenMatch[1];**

**// Present password reset form with the found token**

**tp.pianoId.show({**

**'resetPasswordToken': token, loggedIn: function () {**

**// Once user logs in - refresh the page**

**location.reload();**

**}**

**});**

**}**

**}**

**}]);**

**</script>**

In addition you need to set Rest password url in piano

Login to Piano > Click Edit Business > User Provider

click on Edit/pencil icon under Piano Id.

Enter the url in Rest password landing url

**My Account Page**

For My Account page create one page and add one div like below

**<div id="my-account">my account</div>**

and use following script on the page

**<script>//Piano myaccount script**

**var myloc = window.location.href;**

**tp = window["tp"] || [];**

**tp.push(["init", function () {**

**// any additional functionality you need to execute after**

**// the tinypass javascript loads**

**if(myloc.indexOf('/my-account') > -1) {**

**tp.myaccount.show({**

**displayMode: "inline",**

**containerSelector: "#my-account"**

**});**

**}**

**}]);**

**</script>**

To display normal sign up form

tp.push( ["init", function () {

tp.pianoId.show({

screen: 'register',

//loggedIn: pianoLoginLogoutButtons

loggedIn: dopianocheckout

} );

}

]);

Sandbox does not send out emails. This is purposely done to protect from erroneous emails being sent out during testing. **To check the emails that *would* send, you need to look at an individual user and check the email tab (see below).** You have to manually enable most emails you want to send, which you can do by going to Manage-->Email Manager. If you do that, you'll see the Password reset email has already been enabled.

If you click on the password reset email under the individual user and click on the custom link ([example](http://test-new-farmjournal-pro.pantheonsite.io/reset-password?reset_token=RSTziEOTNpakwgo)), it will take you to the page you configured as the password reset page (<http://test-new-farmjournal-pro.pantheonsite.io/reset-password>) and show a modal: