

# Brain Cert HTML5 Virtual Classroom



## WordPress plugin documentation

Version 1.8

[www.braincert.com](http://www.braincert.com)



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# WebRTC Powered HTML5 Virtual Classroom

*BrainCert Virtual Classroom is tailor-made to deliver live classes, meetings, webinars, and conferences to audience anywhere!*



## Quick Start:

- ✓ API Documentation - <https://www.braincert.com/docs/api/vc/>
- ✓ If this is your first time here, we recommend you to sign up for your [API key](#) first
- ✓ Follow this [KB note](#) to generate free SSL Certificate for your custom hostname
- ✓ Browser support guide – [KB note](#)
- ✓ Troubleshooting guide – [KB note](#)
- ✓ Check [Knowledge base](#) for support articles

## Pre-requisites:

cURL is required to make API calls. Simply type the following command to find out.

```
# curl --version
```

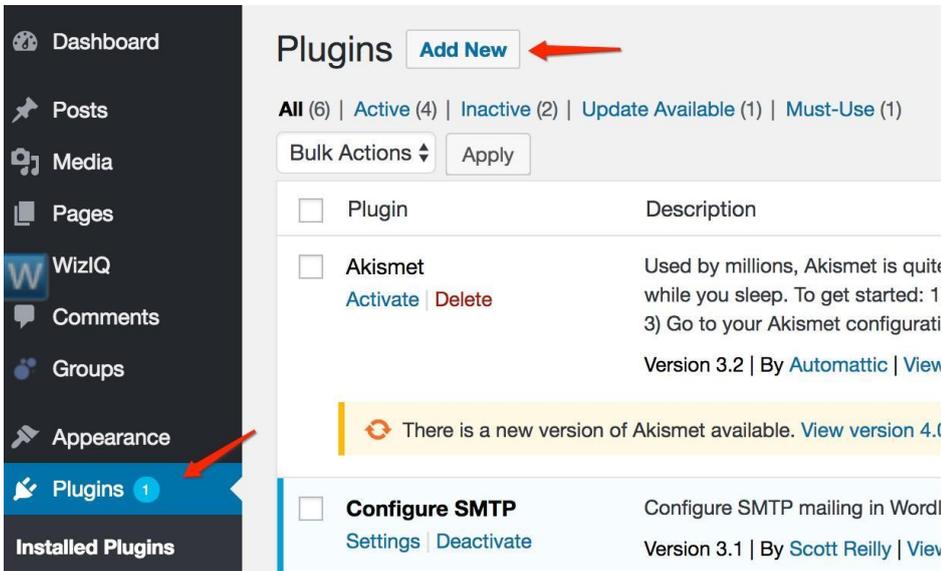
Install is using the following command as 'root' user:

**Ubuntu** - apt-get update && sudo apt-get install curl

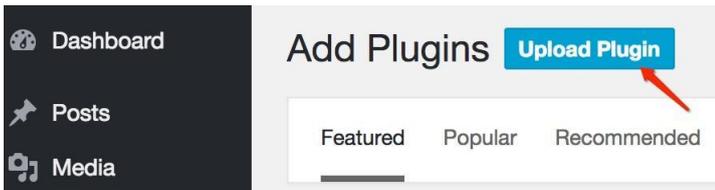
**CentOS** – yum update && yum install curl

## 1.0 Installation

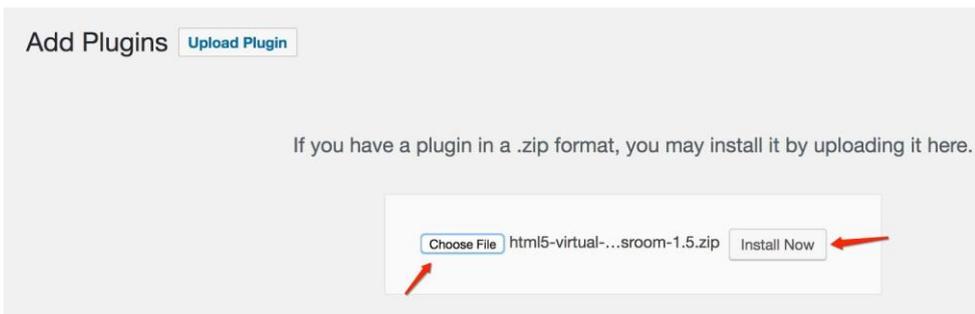
Click on the “Plugins” link in the left navigation and use “Add New” button to install new plugin.



Click “Upload Plugin” button to get started.



Browser the virtual classroom plugin and click “Install Now” to install the plugin.



Click “Activate Plugin” to activate the virtual classroom plugin.



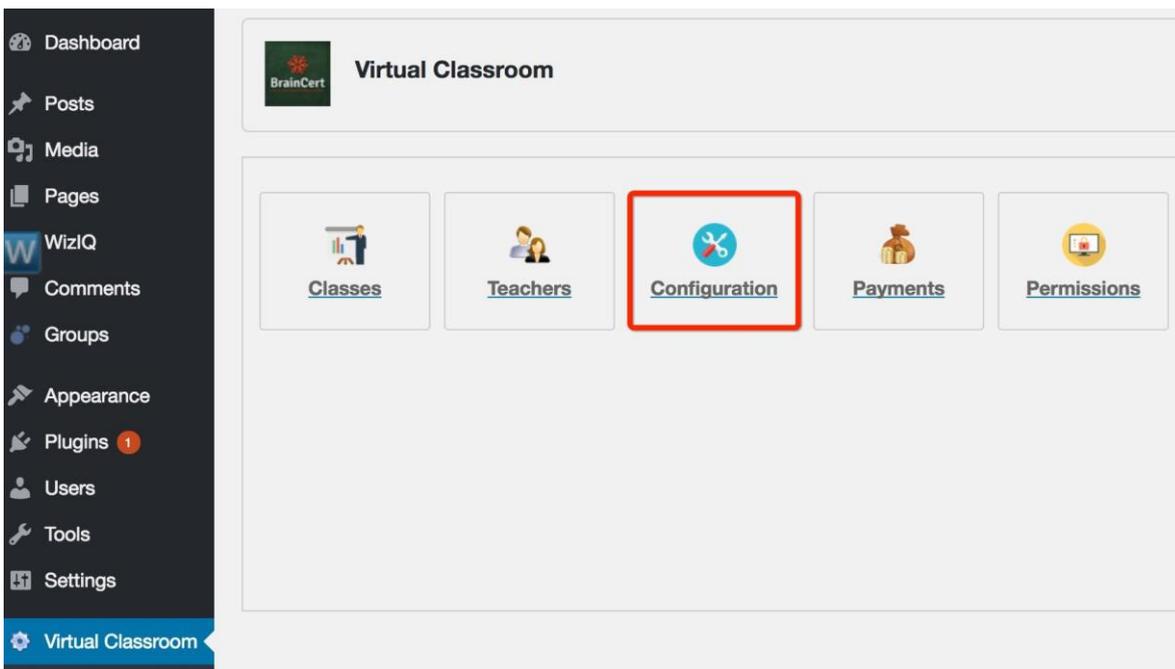
## 2.0 Virtual Classroom Configuration

Congratulations! Now that you have successfully installed the VC plugin, now it's time to configure the plugin.

Go to 'Virtual Classroom' from the plugin menu and click "Configuration".



Alternatively, you can click on the "Configuration" from the plugin dashboard.



Now, you will be presented with the following screen.

## Virtual Class Room Settings ?

BrainCert API Key:

BrainCert Base URL:

Allow instructor to schedule classes from frontend:  Yes  No

### Invite by E-mail Settings

Page id for Invite by E-mail ?

Page id for Class Details ?

Page id for Schedule Class ?

Addthis social sharing publisher ID ?

[Save Settings](#)

## BrainCert API Key

Register for your free account at [BrainCert](#) and get your free API key from the VC [API Dashboard](#).

In the API dashboard, type in the domain name where you'll be running the virtual classroom and click 'Generate' button to generate a API key. Click "Save" button to save your API key settings.

### Generate API Key

Your Domain Name ?

API key

[Generate](#) [Copy](#)

[Save](#)

Now, copy the API key and paste the same in the plugin configuration. Follow other options above such as "Logo & Favicon" and "Theme & Branding" to customize the look and feel.

**Protect your API key like a password.** Frequently rotate the API key for maximum security.

## BrainCert Base URL

This is the base URL of the API endpoint. The default option is <https://api.braincert.com/v2>.

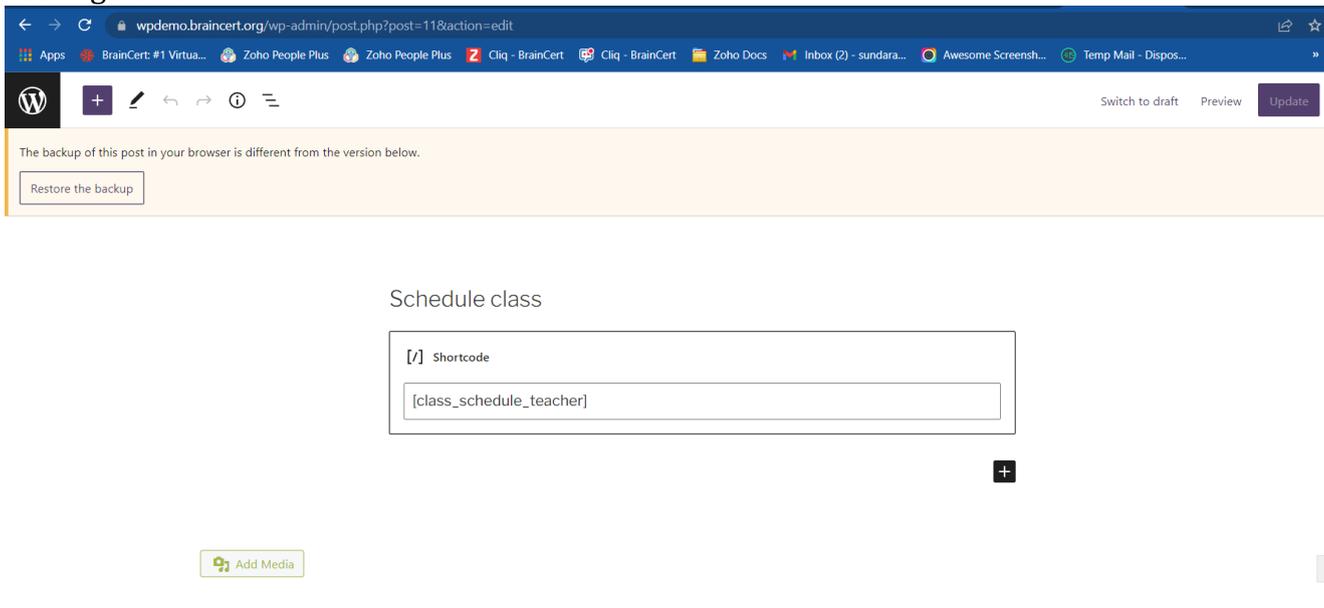
You can also use your own custom domain and generate free SSL certificate in the [API Dashboard](#). at BrainCert.

**Follow this [KB note](#) to setup your own custom hostname and SSL certificate.**

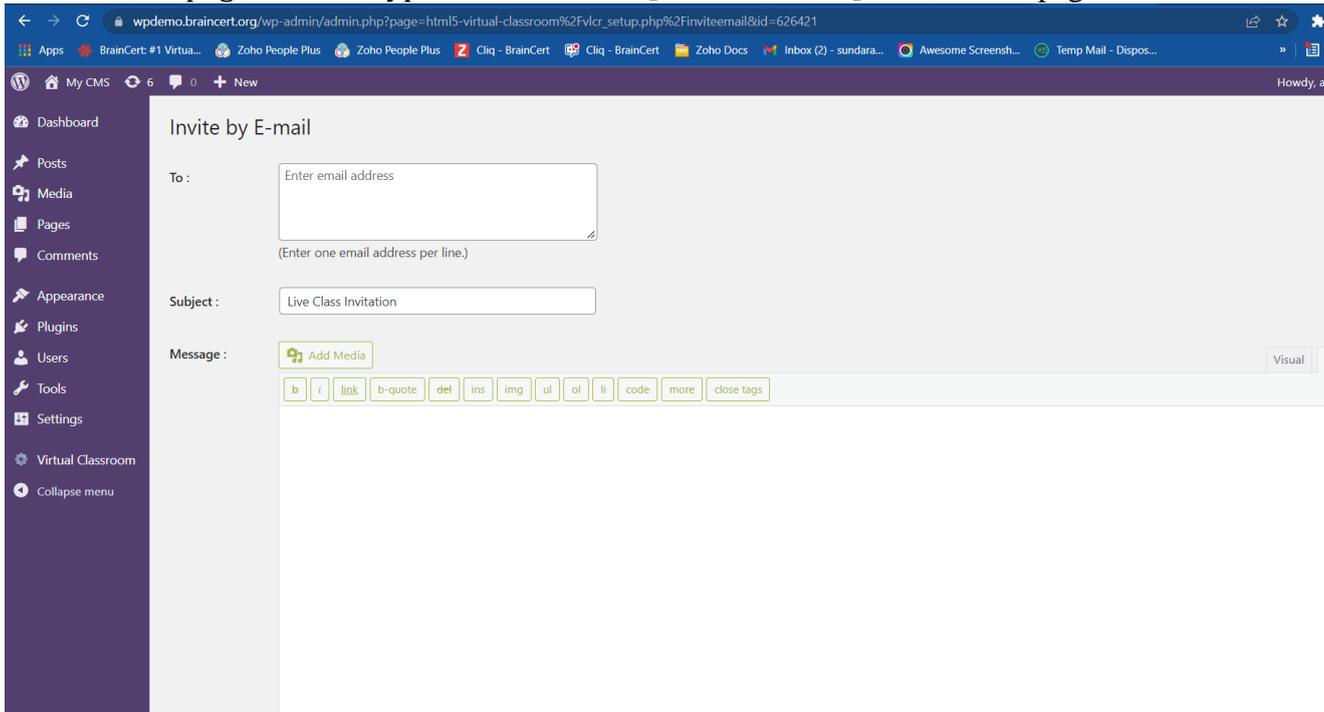
Once you have setup custom hostname correctly, change the Base URL to the custom hostname. For example, <https://live.mytrainingcompany.com/v2>.

## Page id for Invite by E-mail

You can invite attendees to your live class using the built-in invitation feature. You have to associate this view to a page in WordPress. For example, simply create a page called “Invite by E-mail”, and note down the page ID. Now, type the same page id for this option in plugin configuration.



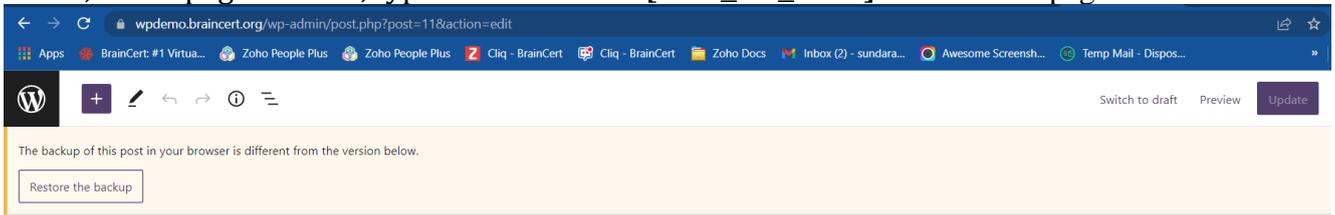
Now, in the page content, type the short code **[student\_invite]** and save the page.



## Page id for Class Details

Every class that you create can have a unique link that can be shared easily with your students. simply create a page called “Virtual Classroom”, and note down the page ID. Now, type the same page id for this option in plugin configuration.

Now, in the page content, type the short code **[class\_list\_front]** and save the page.



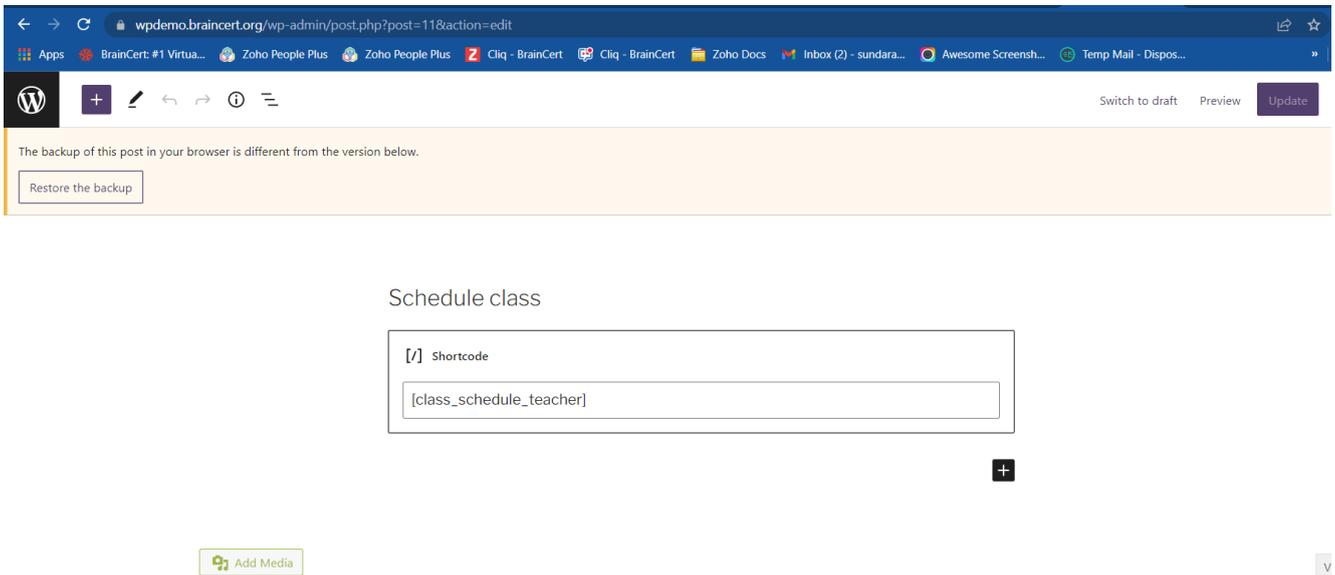
### Schedule class

[/] Shortcode



# Page id to allow teacher to schedule classes in frontend

Teachers can schedule and launch classes from frontend without having access to WP backend. To allow, in the page content, type the short code **[class\_schedule\_teacher]** and save the page.



Frontend page view:

## Schedule

Set Location:

Title:

Date:  (yyyy-mm-dd), Example: { 2014-09-04 }

From:  (hh:mm), Example: { 09:50AM }

To:  (hh:mm), Example: { 10:50AM }

Time Zone:

Please note that this option will work only when you set “Yes” to the following option in configuration page.



**Class List**

Filter:

Now, you'll be presented with the 'schedule' class page.

## Set class instructor

Select a specific class instructor from the list of teachers setup. Click on the "change" link to view and assign a teacher to the class.

**Schedule**

Class Instructor:  braincert [\[change\]](#)

Set Location:

Title:

### Class instructor

ID	Name
<input checked="" type="radio"/>	braincert

## Datacenter location and time zone settings

Set Location:

Title:

Date:  (yyyy-mm-dd), Example: { 2014-09-04 }

From:  (hh:mm), Example: { 09:50AM }

To:  (hh:mm), Example: { 10:50AM }

Time Zone:

**Set Location:** When scheduling a live class, you will be presented with an option to select a datacenter location. For best performance, choose the region closer to you. All your virtual classroom sessions regardless of students location will be maintained in this region.

See this [KB note](#) to select the best datacenter location.

**Title:** The name of your class.

**Date:** The date when you want this class to be active.

**Duration:** Set the 'From' and 'To' time to set the duration of your class. This duration is limited by the VC API pricing plan you have subscription with.

**Time Zone:** Make sure the 'Time Zone' matches with your computers clock. Click on the drop down to select a different time zone if needed.

## Recurring Class

BrainCert supports scheduling recurring classes with an option to end the class after a certain number of class sessions or end on a specified date.

For example, to setup a recurring class on selected days like Tuesdays and Thursdays, select "On selected days" from the dropdown.

Simply click on 'Tue' and 'Thu' options to set on those specific days.

When class repeats: On selected days ▼

Sun
Mon
Tue
Wed
Thu
Fri
Sat

## Interface Language

You can allow the attendees to change the interface language. This feature is helpful to allow students to change the virtual classroom interface in their regional language. As an instructor, all you need to do is to select "Yes" as shown below.

Allow attendees to change interface language:  Yes  No

Choosing 'Yes' option will allow attendees to click on the global settings icon on left bottom of the VC app and change interface language of their choice.



You can also force the virtual classroom interface language by choosing option 'No'. This removes the 'language settings' option for virtual classroom attendees.

Allow attendees to change interface language:  Yes  No

Force Interface Language: french ▼

## Recording

BrainCert Virtual Classroom makes it easy to record your live class and share with attendees instantly. The recorded videos are automatically encoded to WEBM format in brilliant High Definition (HD). You will receive an e-mail notification when the recorded video is processed and ready to view. This can be controlled in [API dashboard](#) under "Recording Notification"

BrainCert also supports automatically start recording your session when the class starts.

The screenshot shows a settings panel with the following options:

- Record this class:**  Yes  No
- Recorded videos layout:** Standard view (Whiteboard, Videos and Chat view with no i... ▼
- Start recording automatically when class starts:**  Yes  No
- Allow instructor to control recording:**  Yes  No
- Video delivery:**  Multiple video files  Single video file

- **Record this class:** Click 'Yes' to enable the recording option in a live virtual classroom session.
- **Allow instructor to control recording:** We are now supporting a new API call Record=3 which will auto record sessions and stops the instructor from controlling the recording button. When enabled, instructor cannot stop or start recording during a live session. This will greatly benefit tutoring companies who wants to auto record live classes with complete control over recording.
- **Start recording automatically when class starts:** This option will start recording automatically without manual intervention when VC is loaded.
- **Video delivery:** By default, every time instructor stop recording button or reload browser, it will produce a video file. You can force it to output only one file using option "Single video file" (isVideo=1) at the end of a lesson.

## Classroom type

By default, you can launch the full application with whiteboard, audio/video conferencing and group chat or pick specific layout for your class session.

Classroom type:  whiteboard + audio/video + attendee list + chat  whiteboard + attendee list  whiteboard + attendee list + chat

## Other settings – Screen sharing, Paid classes, etc.,

Other settings include the ability to give microphone and webcam control to attendees when entering the classroom using option "Enable webcam and microphone upon entry". This is useful in corporate situations where attendees can start talking before the presenter arrives.

Record this class:  Yes  No

Recorded videos layout :  ▾

Start recording automatically when class starts:  Yes  No

Allow instructor to control recording:  Yes  No

Video delivery:  Multiple video files  Single video file

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Classroom type:  whiteboard + audio/video + attendee list + chat  whiteboard + attendee list  whiteboard + attendee list + chat

## Other settings – Screen sharing, Paid classes, etc.,

Other settings include the ability to give microphone and webcam control to attendees when entering the classroom using option “Enable webcam and microphone upon entry”. This is useful in corporate situations where attendees can start talking before the presenter arrives. Setting this option to “No” will make classroom moderated and requires instructor to pass

controls such as microphone, webcam, whiteboard and screen sharing to attendees. You can also enable/disable screen sharing.

Enable webcam and microphone upon entry:  Yes  No

Enable private chat:  Yes  No

Enable screen sharing:  Yes  No

Class Type:  Free  Paid

Max. attendees:

- **Enable Private Chat:** Use this option to control private chat feature.
  - **Yes** - All attendees can private chat with each other.
  - **No** - Only instructor can private chat with students and students cannot private chat with each other.
- **Class type:** Free or Paid. Select “Paid” to enable shopping cart. You will be prompted to choose ‘currency’ type. After saving the class, you will be presented with an option to create pricing schemes in the shopping cart.

- **Max attendees:** This option returns the maximum attendees in a live class session based on your premium membership at BrainCert.

### 3.1 Paid classes

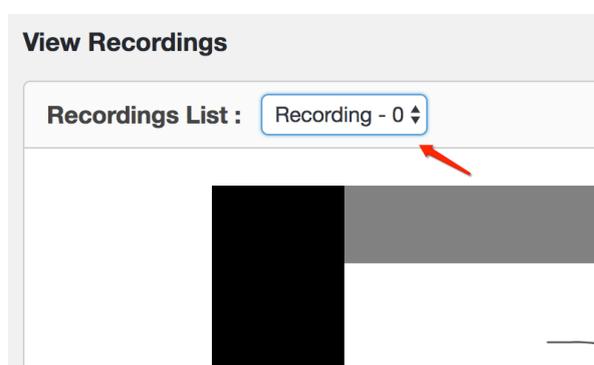
After scheduling a live class, you can see it under the ‘classes’ dashboard. All the options to manage the class is under the “Option” section. Click on the gear icon to bring up the dropdown menu to manage the class.

<input type="checkbox"/>	Class Id	Class Title	Date	Start time	End time	End date	Record	Type	Status	Duration	Option
<input type="checkbox"/>	1334676	testttt	2022-02-11	4:30 PM	6:00 PM	0000-00-00	No	Free	Live	90 Minutes	
<input type="checkbox"/>	626421	bg	2020-11-24	4:30 PM	5:30 PM	2025-11-24	No	Free	Live		
<input type="checkbox"/>	1333718	Testing new 11	2022-02-10	6:00 PM	7:00 PM	2022-07-18	No	Free	Upcoming		
<input type="checkbox"/>	1334514	tester	2022-02-11	2:00 PM	3:00 PM	2022-06-11	No	Free	Upcoming		
<input type="checkbox"/>	1314610	testrecu	2022-01-27	2:30 PM	3:30 PM	2022-05-07	No	Free	Upcoming		
<input type="checkbox"/>	691500	Test 20	2021-01-25	10:30 AM	12:00 PM	2022-03-23	No	Free	Upcoming		
<input type="checkbox"/>	691497	Test 17	2021-01-25	11:30 AM	12:00 PM	2022-05-31	No	Free	Upcoming		
<input type="checkbox"/>	1334425	arshad	2022-02-11	11:00 AM	11:30 AM	0000-00-00	No	Free	Past		
<input type="checkbox"/>	1333222	testtt	2022-02-10	12:00 PM	1:00 PM	0000-00-00	No	Free	Past		
<input type="checkbox"/>	1325238	vc arshad 11	2022-02-04	12:00 PM	12:30 PM	0000-00-00	No	Free	Past	30 Minutes	

- Preview as Learner
- Preview as Instructor
- Attendance report
- Cancel class
- Invite by E-mail
- Invite Users
- Invite User Group
- Manage Email template

- **Preview as Learner:** Click this option to see how the class look like in the frontend. This is useful to check the shopping cart.
- **Preview as Instructor:** Click this option to see how the class look like for an instructor.

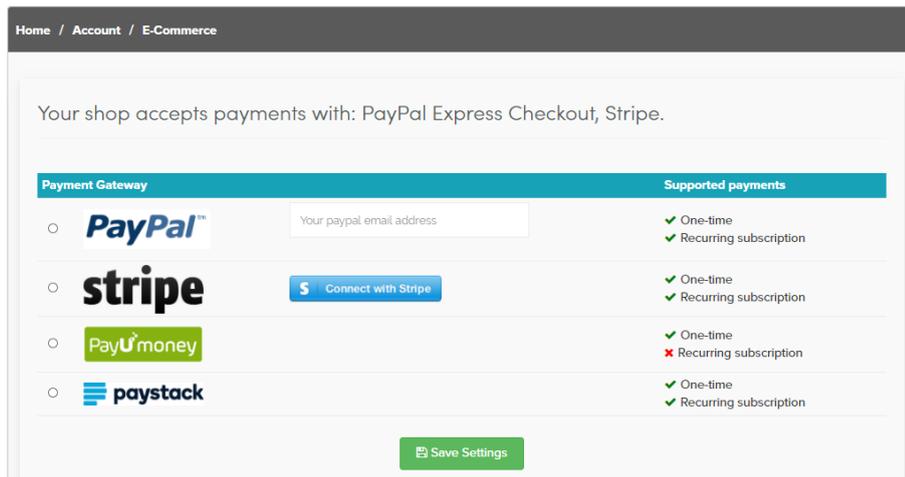
- **Attendance report:** We've introduced the all new reporting feature in virtual classroom that enables you to quickly and easily obtain a wide variety of useful data such as duration, time in/out, and attendance report about your attendees.
- **Cancel class:** Cancels the class and you can schedule a new one again.
- **Invite by E-mail:** You can send a class invitation to external email addresses. People will receive an email with the link to the class. 'Launch' button will be visible when they sign in to your WordPress website.
- **Invite users:** Select existing WordPress users and send an invite.
- **Invite User Group:** Assign it to a 'Group' to allow all users in that group to get access to the class. This requires the '[Groups plugin](#)' to be installed.
- **View class recording:** Click this option to see the list of all recordings associated with this class. This will load a light-weight HTML5 player to view the videos. Multiple recordings can be viewed by selecting the video from the dropdown.



- **Manage recording:** Use this option to publish, unpublish and delete recordings. Only 'published' recordings can be viewed by students in the class details page.
- **Manage Email Template:** Customize the email template that is used by "Invite by E- mail" feature.

## Setup Payment Processor

You are required to setup your payment processor of choice at <https://www.braincert.com/platform/ecommerce-settings> before you can start collecting payments.

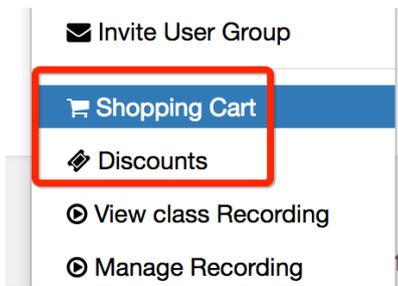


BrainCert supports PayPal, Stripe and Payumoney at this time. More payment processors will be supported in the near future. Follow these KB notes to setup the payment processor:

- [How do I setup Stripe or PayPal to accept payments](#)
- [How to accept INR \(Indian Rupee\) payments using Payumoney](#)
- [Resolving PayPal Errors during checkout](#)

## Shopping Cart

Paid classes will have extra 2 options – ‘Shopping Cart’ and ‘Discounts’.



Now, Click on the shopping cart option to create subscriptions.

The most important part of selling your live classes is the pricing scheme system. There is no limit for the number of pricing schemes that you can create for a class. You can create a pricing scheme based on Price, Duration, and Access type. For example, you can sell a course for \$9 available for 30 days with a restriction of accessing the class for only 100 times. This is best suitable for selling recurring classes.

### Add Pricing Scheme

Price:

Days (To Give Access for):   Lifetime

Access type:

[Save](#)

## Discounts

Click on the 'Discounts' option to create coupon code for your subscriptions. Click "Add" button to create a new discount coupon.

### Add Discount

Use Discount Code

Discount Limit:

Discount Code:

Discount type:  Take  off for all orders

Start date:  (yyyy-mm-dd), Example: { 2014-09-04 }

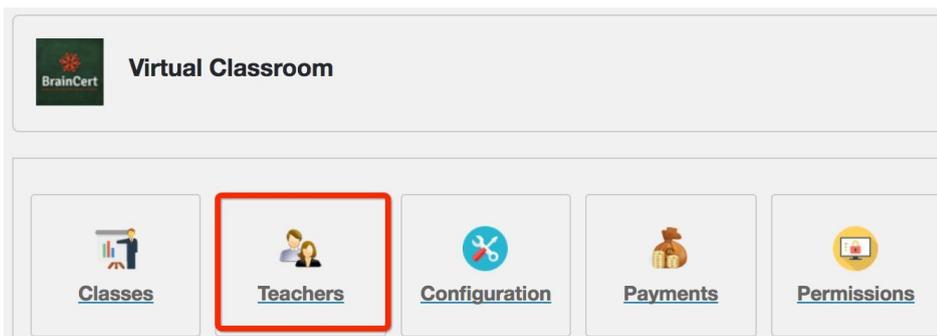
End Date:   Never expires (yyyy-mm-dd), Example: { 2014-09-04 }

[Save](#)

- **Discount Limit:** The maximum number of times the coupon can be redeemed.
- **Discount code:** Any number or text. For example, Christmas2017.
- **Discount Type:** Currency or Percentage. For example, you may take \$5 off or 10% off the price.
- **Start/End date:** Select the start and end date for the discount coupon to work.

## 4.0 Teacher Management

Click on the 'Teachers' link on the dashboard to manage teachers who can launch live classes.



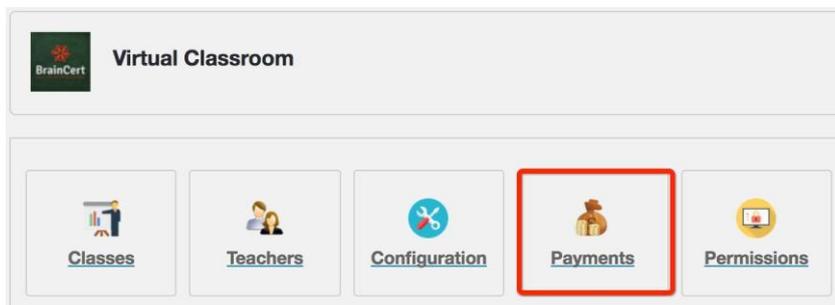
Click on the 'Teacher Access' icon to enable or disable the teacher permission for your website users.

<input type="checkbox"/>	Name	User name	Email	Is teacher
<input type="checkbox"/>	test	test	test@test.com	<input checked="" type="checkbox"/>

Please note that anyone with "Teacher" access enabled can launch the class as instructor in your WordPress website.

## 5.0 Payment reports

Click on the 'Payments' link on the dashboard to view received website payments from your users.



All the payments for your classes are listed based on the purchase date.

<input type="checkbox"/>	Payment id	Class id	Amount	Payer Name	Payment mode	Payment Date
<input type="checkbox"/>	44	712	50.00	Jason Miller	PayPal	2014-11-27 02:54:49

## 5.0 Permissions

Click on the 'Permissions' link on the dashboard to quickly associate multiple classes to a group.

**Set permissions for class visibility.**

Select User group: TEST GROUP

ads2323       upcoming free class  
 record3       record2

## 6.1 Purchasing a class as a student

Students can see the list of classes offered in your class listing page. This is the page you have setup in Page 8 of this document under section "Page id for Class Details".

Students can launch classes from the class details page or view recorded past class videos that are published under "manage recording" class option. "Class Recordings" option will be shown in class

details page in frontend only when at least one recorded video is published from “manage recording” class option in backend.

**Date and Time:** 📅 Nov 17, 2017 ⌚ 9:30 AM  
**Time Zone:** Eastern Daylight Time  
**Duration:** 30 minutes

Class Recordings			
#	Name	Date/Time	Action
1	Recording 1	November 17 2017 09:46:40	<a href="#">View Class Recording</a>

BrainCert integrates seamlessly with PayPal and Stripe to sell your live classes for faster revenue. **“Paid” classes require students to buy the class before they can join the live class.**

### Basic Information

- To get ‘Launch’ button and ‘Buy’ button access, students would need to login first.
- ‘Buy’ button is only visible for live and upcoming classes, and not for ‘Past’ classes.
- ‘Launch’ button is only visible for Live classes based on the date, time and time zone set.

**Step 1:** Click on the buy button to open the modal popup.

## Paid class access

Live

**Date and Time:** 📅 Nov 30, 2017 ⌚ 4:00 PM  
**Time Zone:** Eastern Daylight Time  
**Duration:** 30 minutes



Select the correct pricing scheme if there are multiple ones and click ‘Buy Class’. The status will temporarily change to ‘Processing....’ and redirect to class page after a successful transaction.

Buying Option

#	Price(\$)	Duration	Access Type
<input checked="" type="radio"/>	\$ 20.00	1 day	Unlimited

SECURE PAYMENTS BY

Subtotal: \$20

Students can also enter coupon code generated to get discount if applicable.

Buying Option

Coupon code

#	Price(\$)	Duration	Access Type
1	\$ 20.00	1 day	Unlimited

SECURE PAYMENTS BY 

Subtotal: \$20

**Step 2:** Launch class to join the session when it is live.

'Launch' button will be visible to students after successfully purchasing the class.

For paid classes, you can see all the successful transactions in the backend 'payments' dashboard view.

## Questions?

Free member? Send us a quick email with details question to [support@braincert.com](mailto:support@braincert.com). We'll answer your questions within 24 hours.

Paying member? Create a [support ticket](#) for priority support.