How to use Pusher in Laravel Broadcast

In this example, I will use Pusher with *AlpineJS* !

Server Side Installation

In **cmd**,

```
composer require pusher/pusher-php-server
```

env file

```
BROADCAST_DRIVER=pusher
```

```
PUSHER_APP_ID=your-pusher-app-id
PUSHER_APP_KEY=your-pusher-key
PUSHER_APP_SECRET=your-pusher-secret
PUSHER_APP_CLUSTER=mt1

MIX_PUSHER_APP_KEY="${PUSHER_APP_KEY}"
MIX_PUSHER_APP_CLUSTER="${PUSHER_APP_CLUSTER}"
```

Make sure *BroadcastServiceProvider* is uncommented in **app.php**

```
App\Providers\BroadcastServiceProvider::class,
```

Client Side Installation

In **cmd**,

```
npm install --save-dev laravel-echo pusher-js
```

app.js

```
import Echo from 'laravel-echo';

window.Pusher = require('pusher-js');

window.Echo = new Echo({
    broadcaster: 'pusher',
    key: process.env.MIX_PUSHER_APP_KEY,
    cluster: process.env.MIX_PUSHER_APP_CLUSTER,
    forceTLS: true
});
```

After Installation,

Create Event

```
php artisan make:event EventName
```

In my event class, event will look like this...
*(Note: Be sure to implement **ShouldBroadcast**)*

```
class VoteUpdated implements ShouldBroadcast
{
    use Dispatchable, InteractsWithSockets, SerializesModels;

    public $user;
    public $post;

    /**
     * Create a new event instance.
     *
     * @return void
     */
    public function __construct($user, $post)
    {
        $this->user = $user;
        $this->post = $post;
    }

    /**
     * Get the channels the event should broadcast on.
     *
     * @return \Illuminate\Broadcasting\Channel|array
     */
    public function broadcastOn()
    {
        return new PrivateChannel('vote-live.' . $this->post->id);
    }
}
```

In **channels.php**, We can check authentication to access channel. In this example, I will only check for logged in user or not.

```
Broadcast::channel('vote-live.{id}', function($user, $id) {
    return Auth::check();
});
```

Now, It is ready to broadcast. In this example, I will broadcast when user votes post. Therefore, in my **PostController**,

```
class PostController extends Controller
{
    public function vote($id)
    {
        $post = Post::findOrFail($id);
        $post->no_of_votes = $post->no_of_votes + 1;
        $post->save();
        $responseValue = array(
            'message' => 'Vote Success',
            'post' => $post,
        );
        broadcast(new VoteUpdated(auth()->user(), $post))->toOthers();
        return response()->json($responseValue);
    }
}
```

*(Note: **toOthers()** means it will broadcast everyone except current user)*

In my js file, it will need to listen broadcasted channel. That's why I try to listen as ...

```
document.addEventListener("alpine:init", () => {
    Alpine.data("app", () => ({
        ...alpineData,
        init() {
            Echo.private("vote-live." + this.postId).listen("VoteUpdated", (e) =>
{
                // What you want to do
            });
        },
```

*(Note: In my example, **VoteUpdated** is created Event Name and **"vote-live.{id}"** is channel name)*

We are now ready to give our application using the **Pusher**, **AlpineJS** and **Laravel Broadcast**.

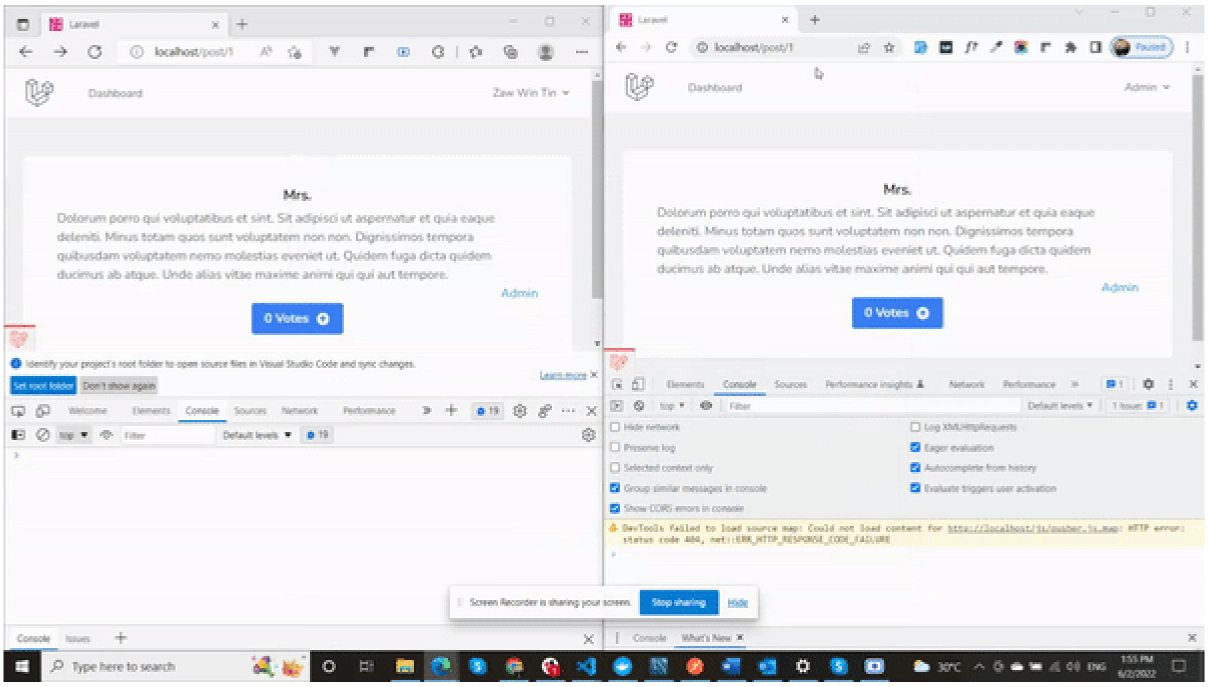
Let’s compile our front-end assets:

```
npm install
npm run dev
```

... and run our server:

```
php artisan serve
```

And Result will look like this ...


Mrs.

Dolorum porro qui voluptatibus et sint. Sit adipisci ut aspernatur et quia eaque deleniti. Minus totam quos sunt voluptatem non non. Dignissimos tempora quibusdam voluptatem nemo molestias eveniet ut. Quidem fuga dicta quidem ducimus ab atque. Unde alias vitae maxime animi qui qui aut tempore.

Admin

Identify your project's root folder to open source files in Visual Studio Code and sync changes.

Screen Recorder is sharing your screen.

Hide network [ ] · Preserve log [ ] · Selected context only [ ] · Group similar messages in console [✓] · Show CORS errors in console [✓]

Log XMLHttpRequests [ ] · Eager evaluation [✓] · Autocomplete from history [✓] · Evaluate triggers user activation [✓]

```
DevTools failed to load source map: Could not load content for http://localhost/js/pusher.js.map: HTTP error: status code 404, net::ERR_HTTP_RESPONSE_CODE_FAILURE
```