



Mike Hartington
Senior Developer Advocate



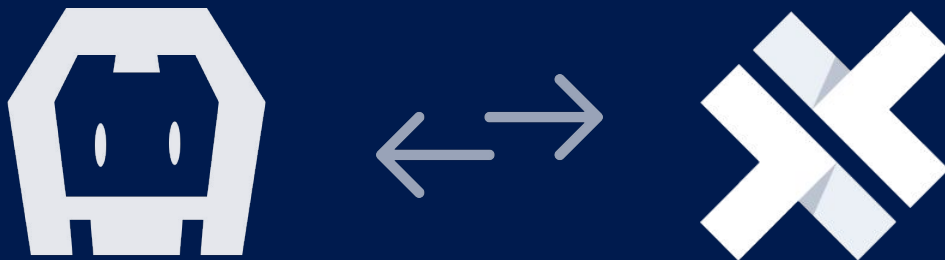
Ely Lucas
Tech Lead, Capacitor Team



The background is a dark blue gradient with several white line-art icons representing different UI components. In the top left, there's a list of four items, each with a circle and a horizontal line. In the top center, there's a square with rounded corners containing a horizontal line and two vertical lines forming a frame. In the top right, there's a circle containing a fingerprint icon. In the bottom left, there's a rounded rectangle containing a smaller rounded rectangle with a horizontal line, and below it, two horizontal lines. In the bottom center, there's a rounded rectangle containing a square with a circle inside and a horizontal line. In the bottom right, there's a rounded rectangle containing four circles in a row, and below them, two more circles. The text "Web-focused APIs" is centered in the middle of the image in a large, bold, white font.

Web-focused APIs

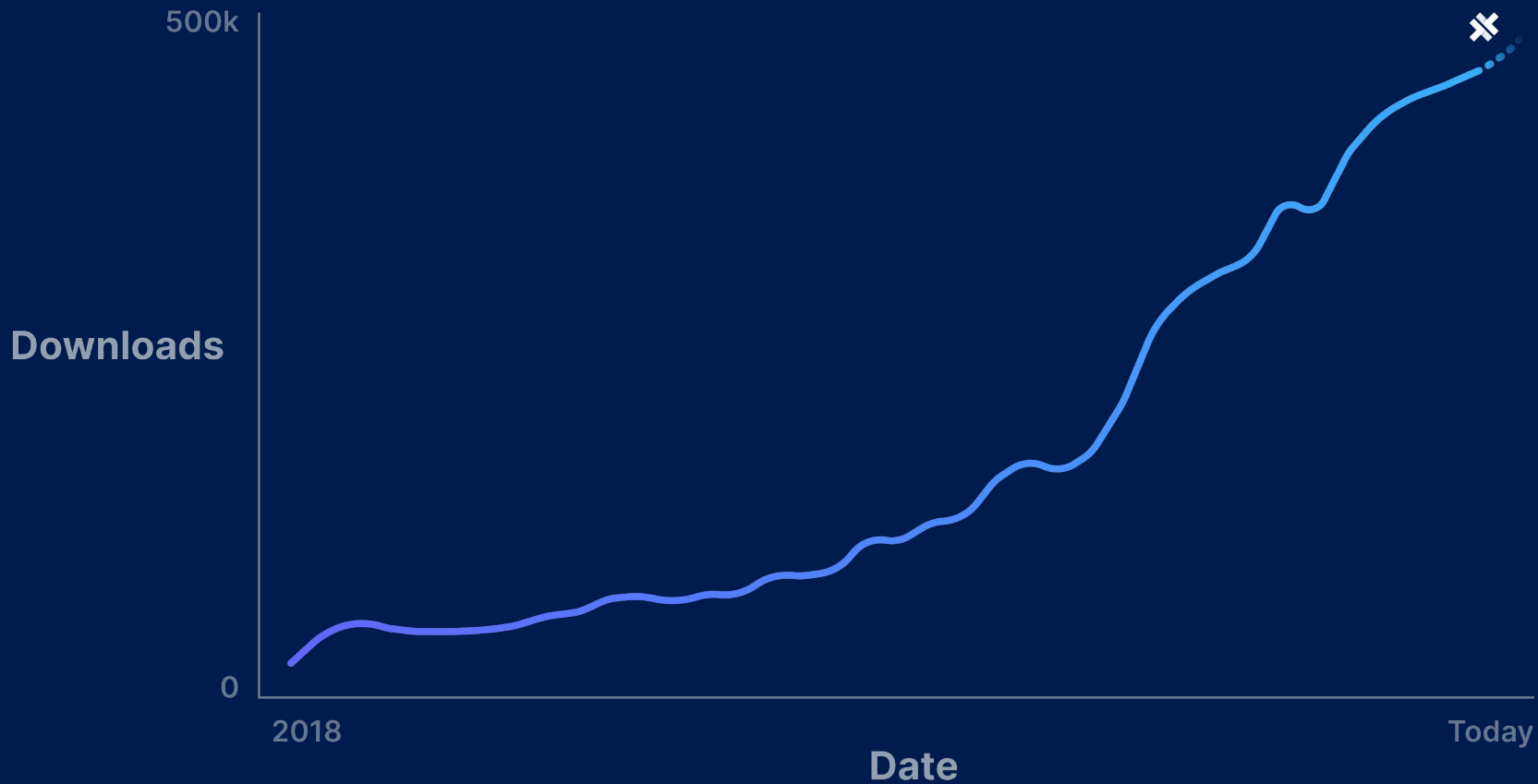




Learn more at

capacitorjs.com/docs/cordova →

Downloads per Month







Performance



**Use only the
features you need**



**Reduced app
bundle size**



**Improved app
launch time**

<https://github.com/ionic-team/capacitor-plugins> →



Official Plugins

Now Separate from Capacitor Core

<https://github.com/ionic-team/capacitor-plugins> →

Capacitor 1 and 2:

```
import { Plugins } from '@capacitor/core';  
const { Camera } = Plugins;
```

Capacitor 3:

```
import { Camera } from '@capacitor/camera';
```

Usage:

```
const imageData = await Camera.getPhoto({  
  resultType: CameraResultType.Uri,  
  source: CameraSource.Camera,  
  quality: 100,  
});
```



Lazy Load Web Plugins

```
const Haptics = registerPlugin<HapticsPlugin>('Haptics',{  
  web: () => import('./web').then(m => new m.HapticsWeb()),  
});
```



Improved DX



New `cap run` CLI command

```
$ npx cap run ios
```

```
$ ionic cap run ios --livereload
```



TypeScript configuration files

capacitor.config.ts

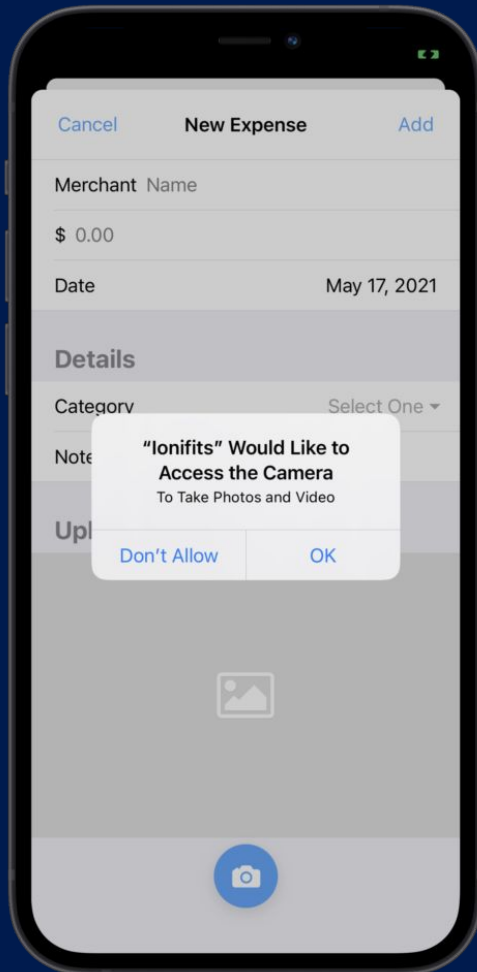
```
import { CapacitorConfig } from '@capacitor/cli';  
const config: CapacitorConfig = {  
  appId: 'com.ely.capcamera',  
  appName: 'ely camera app',  
  webDir: 'build',  
  bundledWebRuntime: false  
};  
export default config;
```

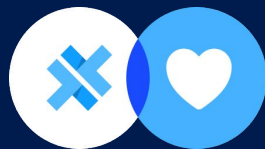


Updated permissions API

```
// Programmatically check permissions  
const perms = await Camera.checkPermissions();
```

```
// Programmatically request permissions  
await Camera.requestPermissions(  
  {permissions: ['camera']}  
);
```





Community Plugins

<https://github.com/capacitor-community>



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\$ demo time

Resources

capacitorjs.com

forum.ionicframework.com

Questions?

</presentation>



ionicconf

2021

JUNE

23