



Portals

Micro frontends for mobile powered by the web.

Portals speeds up the native app development process by empowering web development teams to build features and contribute to iOS, Android, React Native, and Capacitor apps.

Portals helps enterprise teams:

- **Develop and ship** new features faster.
- **Reduce costs** by empowering web developers to contribute to existing native apps.
- **Reuse features** across platforms.
- **Increase dev efficiency and collaboration** by contributing to the application's codebase in parallel.

How it works

1. Build mobile experiences with the web.

Use the web to build new micro frontend experiences for your mobile users, such as a checkout flow or help center.

2. Embed these experiences into any native app.

Embed each web experience inside any existing native application, using Portals. You can deploy the same web experience to multiple apps.

3. Integrate seamlessly with your native UI.

Easily access native device features and APIs from each Portal, in a way that's seamless and invisible to mobile app users.

4. Update directly without impacting the core native app.

Ship updates directly to each Portal, without updating the rest of the app. Multiple teams can work together safely in parallel.



Why Mobile Micro Frontends with Portals

Portals solves several challenges that developers and architects face when building and shipping mobile apps faster. Here are the top benefits to implement micro frontends across your development teams.

Scale large projects

Allow feature teams to build, test, and deploy independently and autonomously. Portals handles the manual steps for you to ensure the latest features are loaded at run-time.

Empower your web developers

Most organizations have a wealth of domain expertise amongst their web teams. Take advantage of this knowledge to add new features or quickly port over existing features.

Access native device features

Portals provides access to all native device features, including Bluetooth, camera, geolocation, and so much more. Portals leverages the extensive Capacitor ecosystem of pre-built plugins so you can build new features faster.

Clear your feature backlogs

Traditional app development often leaves one team to handle every feature, leading to bottlenecks and slower time to market. Get teams working in parallel to help you meet your business goals faster.

Ship on your own schedule

Teams can now deploy their work the moment their feature is ready. Fast bug fixes can be deployed or breaking features can be rolled back with Portals Live Updates.

Add Portals to any mobile architecture

Portals can be added to almost all mobile development frameworks, including Swift/Objective-C, Kotlin/Java, React Native, and Ionic Capacitor projects.

Bringing web experiences to native mobile apps.

Visit <https://ionic.io/portals> to learn more about Portals and try it out today.

