

## Progressive Web Apps Vs Native Apps: A Comparison

Aspect	Progressive Web Apps (PWAs)	Native Apps
Accessibility	Accessible through web browsers on multiple platforms.	Platform-specific, need to be downloaded from app stores.
Installation	No installation required; can be added to the home screen.	Requires download and installation from app stores.
Offline Functionality	Can work offline or in low-network conditions.	Offline functionality is possible, but not all apps have it.
Development & Maintenance	Developed using web technologies (HTML, CSS, JavaScript), cost-effective, and easier to maintain.	Requires separate development for each platform (iOS, Android, etc.) and separate maintenance.
Cross-Platform Compatibility	Works on various platforms, offers consistent user experience.	Requires separate versions for each platform, potentially leading to differences in user experience.
Performance	Delivers excellent performance, with fast loading times.	Can offer high performance, especially when optimized for specific platforms.
Updates	Seamless updates; developers can push updates directly to users.	Users must download and install updates from app stores.
App Store Approval	No approval required from app stores.	Requires approval from app stores, subject to their guidelines.
Device Features	Access to device features like camera, geolocation, and push notifications, though with some limitations.	Full access to a wide range of device features, offering more comprehensive functionality.
User Engagement	Engages users through push notifications and offers offline functionality.	Offers more advanced engagement features, including system notifications and deeper hardware integration.