



## The foundational building blocks you need to incorporate real-time features into your applications

PubNub is a real-time interactivity platform that enables developers to build scalable and reliable applications that involve real-time data streaming and communications. PubNub's Pub/Sub ([Publish/Subscribe](#)) messaging service, which is the foundation of our platform, delivers a message anywhere around the globe in less than 100ms.

### IN-APP MESSAGING

- Deliver high volume, in-app messages 1:1 or to an unlimited number of channels
- Access on-and-offline message history at any time
- Edit and delete messages
- Add delivery acknowledgments, read receipts, and emojis
- Filter messages to only send those that satisfy the stated conditions

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### EVENTS & ACTIONS

- Filter and queue events across your application
- Deliver events to a growing catalog of actions including 3rd party and custom API endpoints

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### APP CONTEXT

- Eliminate external infrastructure with easy-to-use, serverless storage for user data, channel data, and channel members data
- Get instant notifications to clients and servers whenever data or relationships change

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### PRESENCE

- Monitor and alert on online/offline events for users and devices
- Track accurate occupancy counts across channels with millions of connected devices

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### MOBILE PUSH NOTIFICATIONS

- Automatically fall-back from in-app messaging to APNS and FCM-delivered messages (iOS/Android devices) when users aren't online

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### FUNCTIONS

- Run your code within our network or leverage existing integrations to transform, re-route, augment, filter, or aggregate messages
- Run code triggered by user presence events, data change events, and much more
- Deliver ultra low latency thanks to PubNub's Edge Messaging Network

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### ACCESS MANAGER

- Protect your app with with a cryptographic, token-based permission administrator
- Regulate clients' access to PubNub resources, such as channels, channel groups, and User IDs

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