

NewNode Kit



NewNode Kit is an SDK that allows app developers to integrate the NewNode protocol into their mobile apps. With NewNode Kit, apps can retrieve content under any circumstances - including internet shutdowns and censorship.

How It Works

App developers can use NewNode Kit to integrate the NewNode peer-to-peer protocol into their apps. To an app, NewNode Kit presents as an HTTP proxy server. It then uses its own transport protocols for data transmission: a modified DHT, with device-to-device (D2D) capabilities in case the Internet is unavailable, and the LEDBAT protocol that orchestrates available communication paths and chooses the optimal one.

Benefits

The main benefit of using NewNode Kit is improved access to data under pressure from censorship. If no local WiFi or cellular coverage is present, connections are established locally between smartphones via WiFi Direct and Bluetooth. If even one node in the local mesh network obtains access, everyone on the network gets to share it. The data is encrypted and 100% secure. Intermediate nodes cannot access the content of the traffic they relay.

Success stories

NewNode Kit is used, among others, by:

- The Navalny App, run by the allies of the imprisoned Russian opposition activist, Alexey Navalny
- TUT.BY/Zerkalo.io, the leading independent news outlet in Belarus
- Radio Free Europe/Radio Liberty, a set of radio networks providing a free flow of information to countries where such information is banned by government authorities

Integration Process

NewNode Kit is available to anyone developing iOS or Android apps as an open-source library on [GitHub](#).

Development teams can integrate the NewNode Kit independently or with assistance from the NewNode engineering team.

Get NewNode Kit Now!

Reach out to our team to get started at kit@newnode.com.

✉ contact@newnode.com

☎ (415) 489-0510

🐦 [@NewNode_P2P](#)

🌐 [company/newnode](#)

📘 [NewNodeP2P](#)