iOS Development

Push Notifications

Readings

EasyAPNS

Certificate Creation

Urban Airship

Local and Push Notification Guide

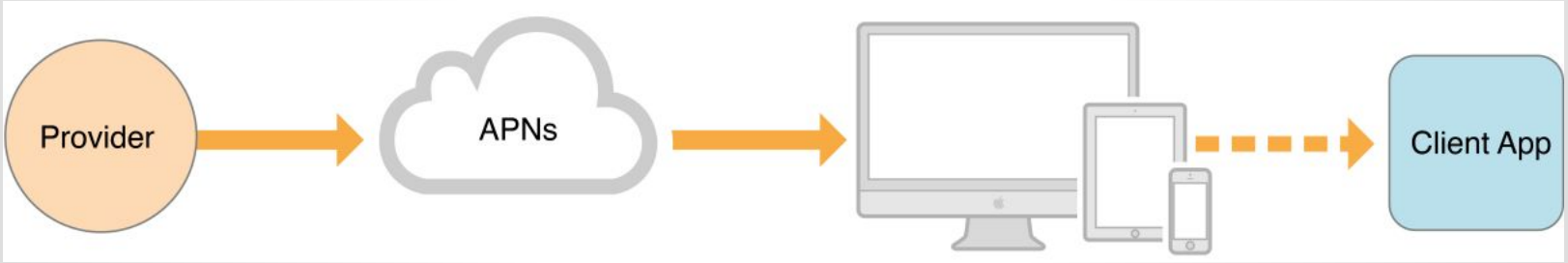
Push Notifications

Push notifications come from a central server to individual devices.

Apps need to grant permission.

They can include small payloads of info

Push Notification Stack



Push Notifications

Requires a certificate from Apple to sign notifications

The server will construct the payloads with bitwise operators, sign them, and send them to Apple, who then sends them to each device.

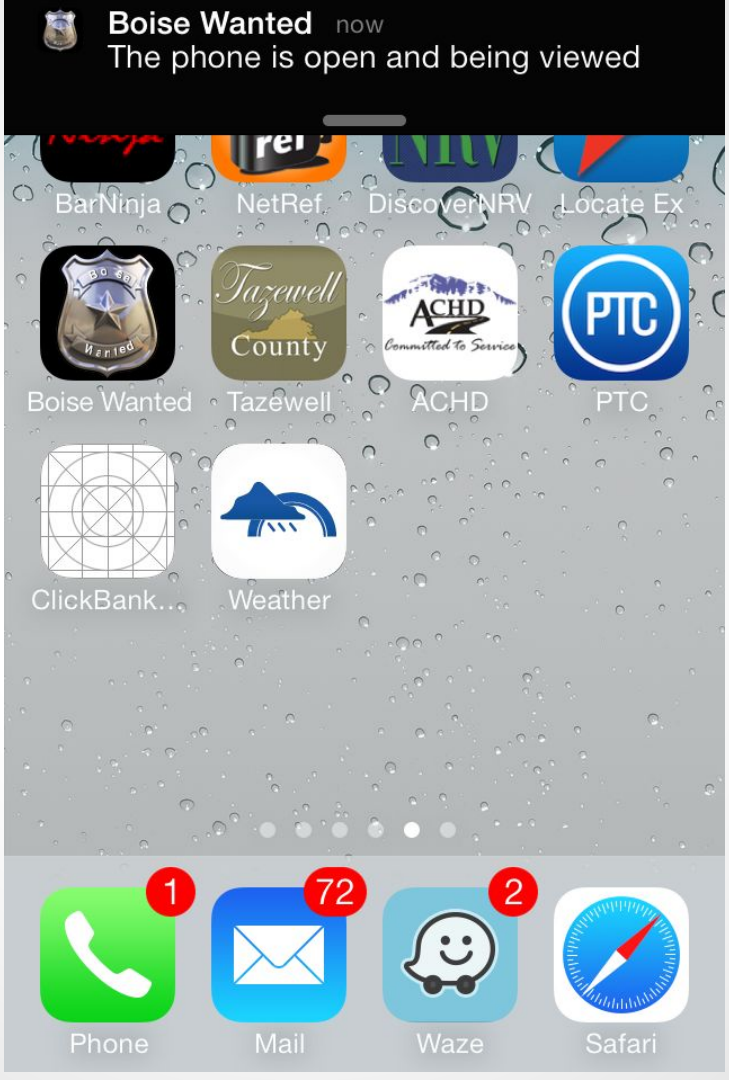
Push Notification Scenarios

Phone Locked - Notification pops up on lock screen.

Phone open - Pops up at the top

In app - pops up on top of the app in modal

Verizon 3G
73%
2:20
Boise Wanted now
Most Wanted Escaped!
slide to view
slide to unlock


Boise Wanted now
The phone is open and being viewed
BarNinja
NetRef
DiscoverNRV
Locate Ex
Boise Wanted
Tazewell
ACHD
PTC
ClickBank...
Weather
Phone
Mail
Waze
Safari

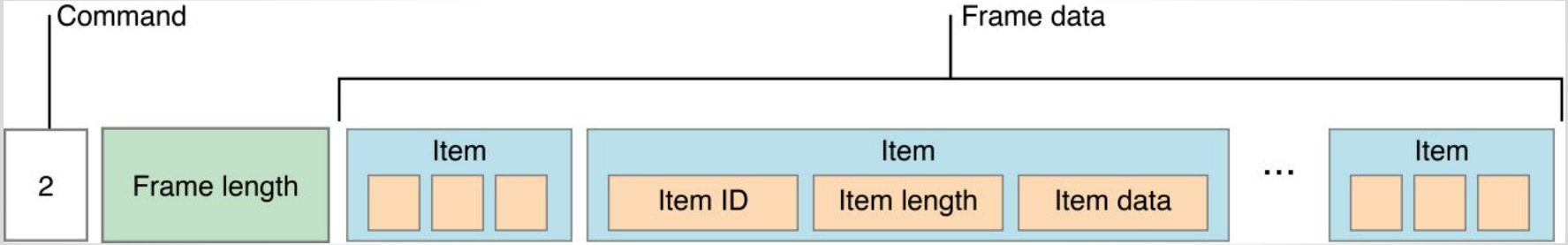
Verizon 3G
72%
Today
All
Missed
Messages
Ana Maria Arango Rodrig… 1h ago
Thanks!!!
Boise Wanted
Boise Wanted now
The phone is open and being viewed
Boise Wanted 1m ago
Most Wanted Escaped!
Boise Wanted 2:41 AM
last test

Register and delegate methods

```
let settings = UIUserNotificationSettings(forTypes:
UIUserNotificationType.Alert | UIUserNotificationType.Badge |
UIUserNotificationType.Sound, categories: nil)

UIApplication.sharedApplication().registerUserNotificationSettings(settings)
    UIApplication.sharedApplication().registerForRemoteNotifications()



application:didReceiveRemoteNotification:
```

Constructing the Payload