

# Push Notifications

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67-442: Mobile Application Development

# Course business

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- Project reviews went well overall
- Lecture next week
- Posters and commercials

What are the benefits of push notifications?

# Key points

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- Push notifications allow you to interact with your users outside of the normal flow of your app.
- A notification can be scheduled locally based on conditions or from a remote service and “pushed” to your device.
- Remote notifications are the most common type, and they use a Cloud service to determine that a notification should be built and sent to the device.
- A local notification is created and scheduled on the device, as opposed to being sent to the device from a remote provider.
- Notification messages remain secure because APNs utilizes cryptographic validation and authentication.

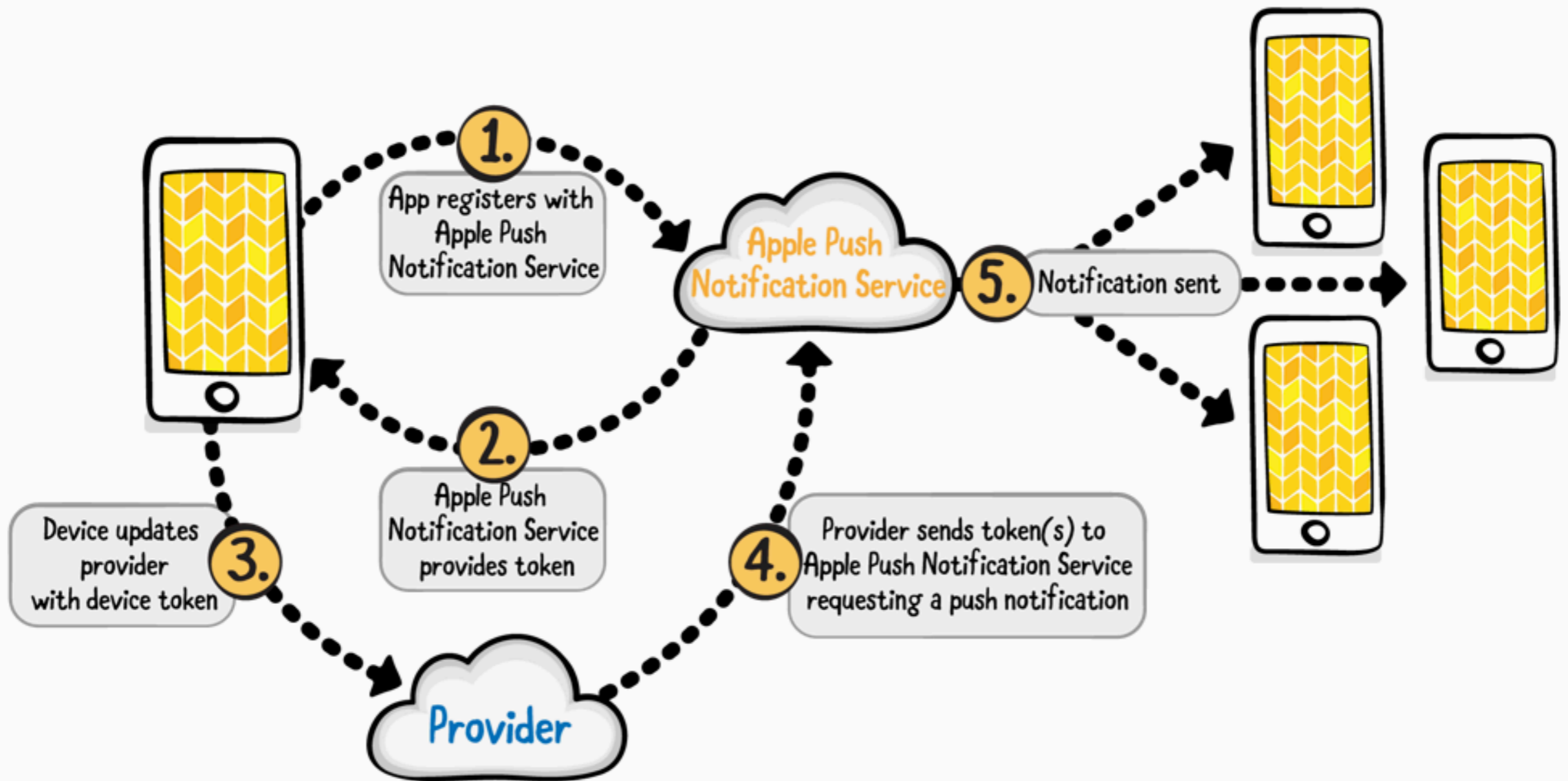
# Local notifications

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- A local notification is created and scheduled on the device, as opposed to being sent to the device from a remote provider.
- Set up with `registerForLocalNotifications()`
- Need one of three triggers:
  - `UNCalendarNotificationTrigger`
  - `UNTimeIntervalNotificationTrigger`
  - `UNLocationNotificationTrigger`

Class example of local notifications

# How Apple Push Notifications work



Class example of remote notifications



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