iOS Share Sheet Security Overview

Angelo Cammalleri
COPAtec GmbH

Mobile Device Management

- Apps can be blacklisted

- Such apps are hidden to the user

- Not visible on home screen

- Not visible in the iOS system share dialog

- AirPrint can be disabled

- AirDrop can be disabled

AirDrop Security

- Uses TLS encryption

- Communication via a peer-to-peer Wi-Fi connection

- No server round trip

- No router round trip

- The data directly moves between sender and recipient
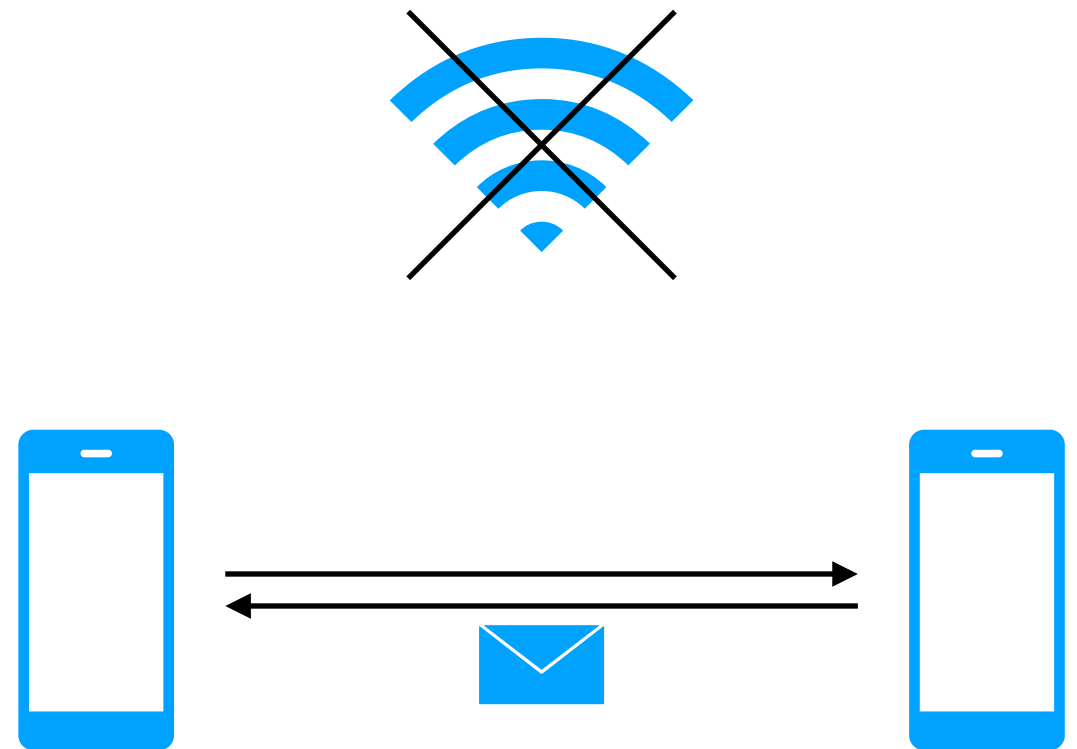
AirPrint Security

- Print job is sent via router

- Printer needs to support AirPrint

- Uses TLS encryption if printer supports it

- TLS can be enforced using MDM

- No driver installation needed
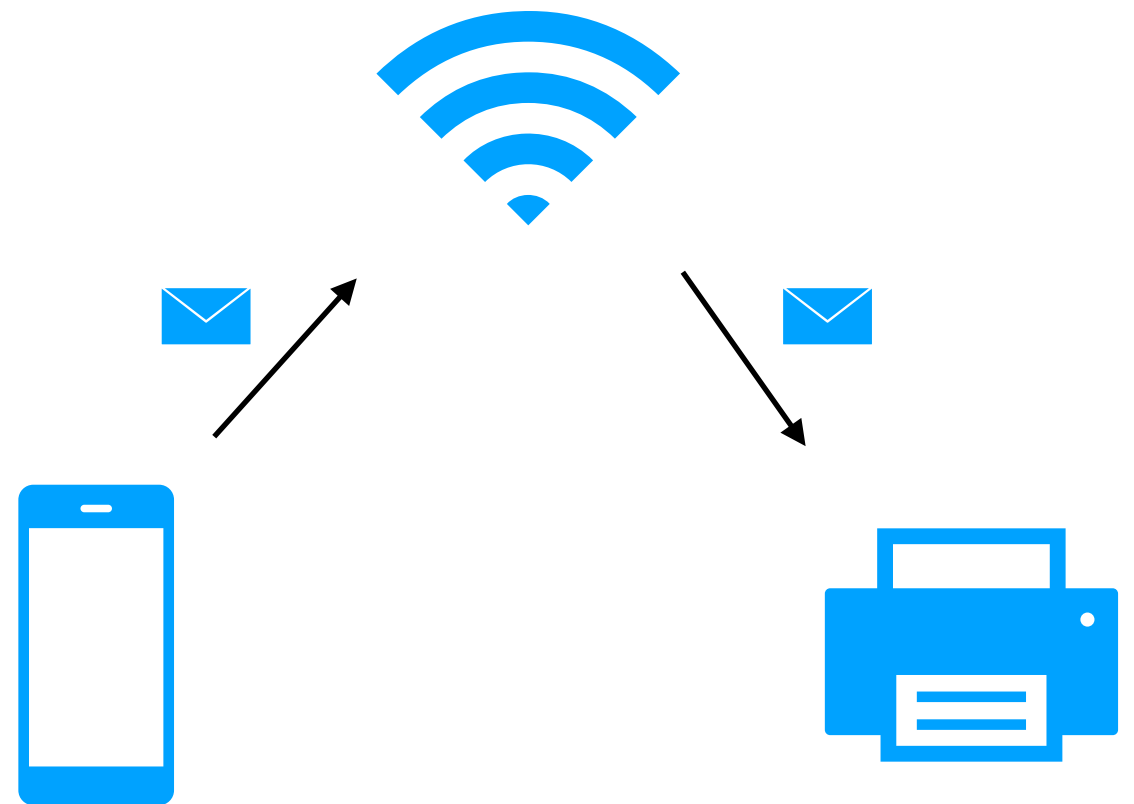
Sources

- Video session about deploying AirPrint at companies: https://developer.apple.com/videos/play/wwdc2016/725/

- In depth iOS security guide about all features: https://www.apple.com/business/docs/site/iOS_Security_Guide.pdf

- Documentation about all possible MDM settings: https://developer.apple.com/documentation/devicemanagement/restrictions?changes=latest_minor