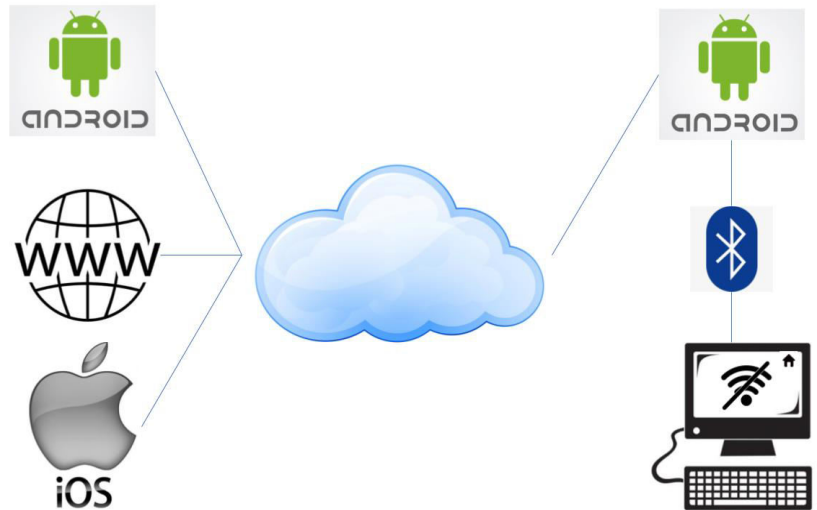


CloudTooth File Transfer



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CloudTooth File Transfer is a 3-way file transfer system that allows users to use any front-facing device or web browser to connect to an Android device at home and then use it to access files from a nearby computer via Bluetooth. Once the Android device at home receives the requested file, it will use cloud storage to send the requested file back to the user.



REQUIREMENTS

- A machine to run the PC Server application
- A nearby Android device to run the Android Server application
- A front-facing device or web browser to connect to Cloud Server

FEATURES

- PC Server:
 - Listens for connection from nearby Android device running Android Server and sends requested files over Bluetooth
 - Built with: Java
- Android Server:
 - Listens for push notification from Cloud Server and connects to nearby machine running PC Server
 - Receives requested files over Bluetooth from PC Server and uploads to cloud storage
 - Built with: Android, Google Drive API, Java
- Cloud Server:
 - User logs in and sends push notification to Android device running Android Server at home to connect to nearby machine running PC Server and requests files
 - Built with: Django, Django Rest Framework, Firebase Cloud Messaging, Python