

Memory management in mobile OS

Most desktop and server OSes today support swap space

Mobile OSes typically do not support swapping

- iOS asks applications to voluntarily relinquish allocated memory
- Android will terminate an app when free memory is running low

➡ App developers must be very careful about memory usage

Storage in mobile OS

App privacy and security is hugely important in mobile device

- Each app has its own private directory that other apps cannot access
- Only shared storage is external storage

High-level abstractions

- Files
- Database (SQLite)
- Preferences (key-value pairs)