

Resource Footprint Optimization: Mobile Linux systems are tuned for fast boot times and minimal resource usage. Some mobile-oriented Linux kernels even support execute-in-place (XIP) for certain code, running it directly from flash memory to reduce RAM usage. At the application level, mobile Linux OSes enforce that apps remain suspended or in low-memory states when in the background (to conserve CPU and memory), something facilitated by kernel cgroups and scheduler features. Additionally, compilers might be used with aggressive size optimization flags for mobile builds.