# Cloud computing: offloading resource-intensive tasks to distant cloud

Mobile Computing Cloud

$s_1, s_2$

Need services $s_1$ and $s_2$
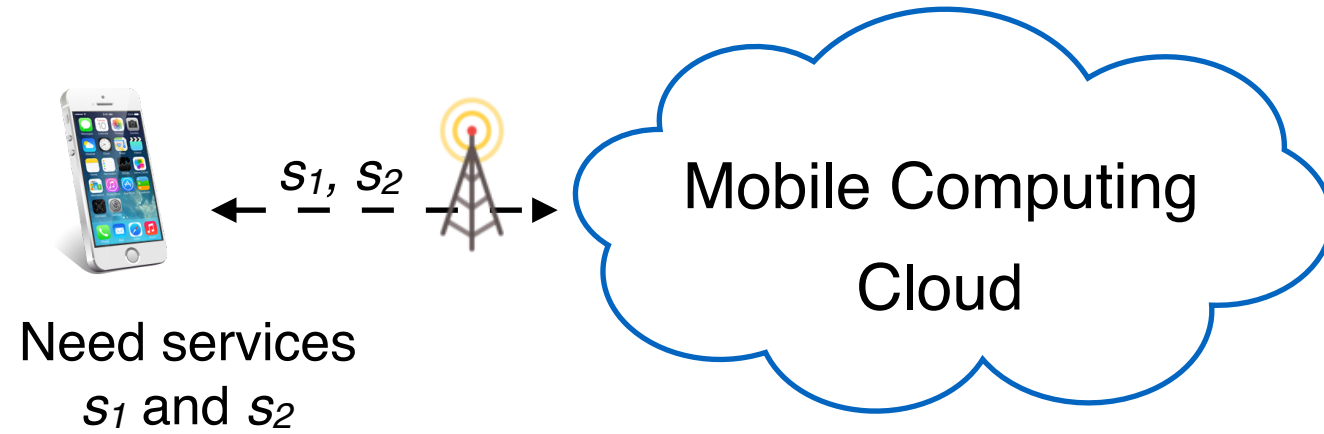
- Using cellular network
- Energy-intensive data transfer
- Extreme centralization

# Opportunistic computing: exploit nearby devices' resources

$s_1$

$s_2$

Need services $s_1$ and $s_2$
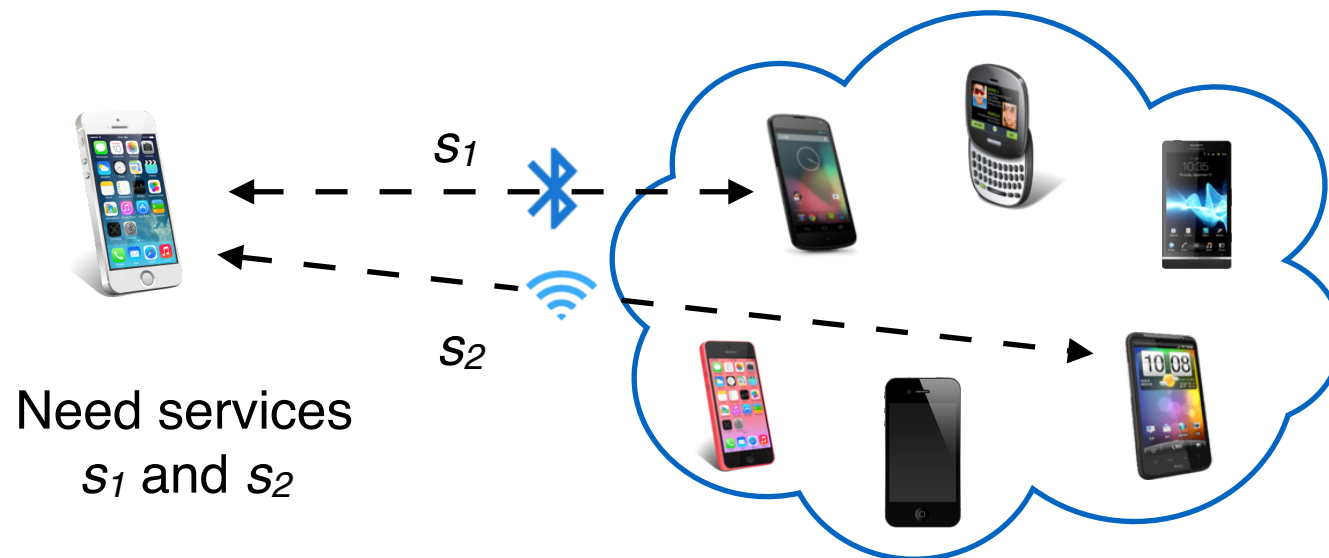
- Through D2D link
- Energy-saving data transfer
- Depend on human mobility