

# *Cloud Computing and Mobility: Not a Natural Fit!*

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## Mobile + Cloud: more a fashion

- **Cloud Computing mainly for businesses**
  - IT outsourcing, storage, computing;
  - For its scalability and robustness etc.
- **From individual end-user perspective, no much more provisioning than conventional server/service**
  - Indirectly benefit from Cloud computing

## Mobile + Infrastructure: more a realistic need

- Mobile device is intrinsically weak
  - Weak computation power
  - Limited battery supply
  - Severe constraints on I/O
- Highly desired to leverage surrounding computing resources
  - Esp keyboard input, large display

## Riding the fashion: Personal Cloud

- Vision: Every user has a Personal Cloud
- Personal cloud is a hub of all one's devices and also a hub to all one's subscribed Cloud services
- Personal Cloud should be movable, and ideally, easily coupled with the infrastructure
  - Reduce the latency
  - Better tradeoff between moving the data and computation