

# **SERVICE DISCOVERY, WIRELESS ENTERPRISE, AND VIRTUAL AND CLOUD NETWORKS**

## **Lesson 04**

# **Mobile Cloud Network**

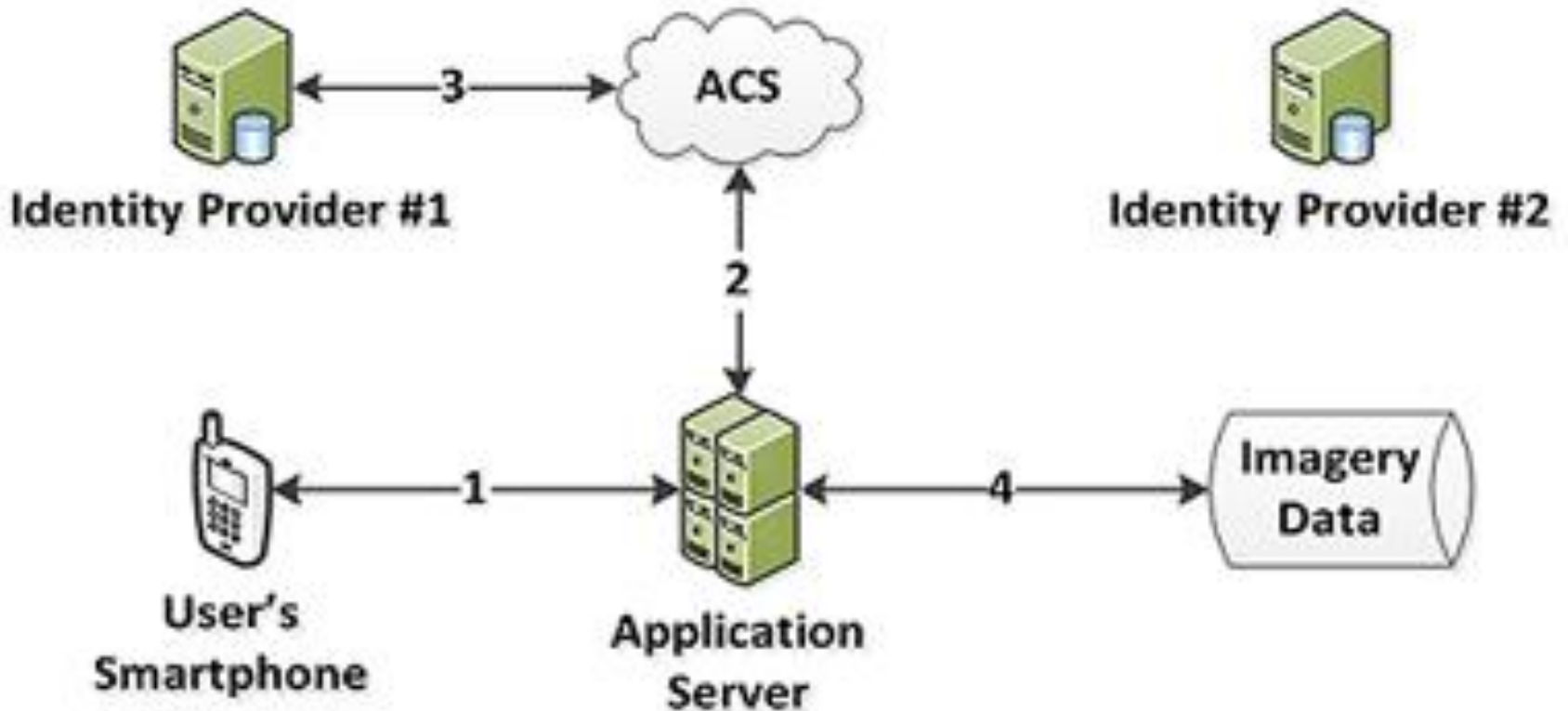
# MOBILE CLOUD NETWORK

- An infrastructure where both the data storage and data processing happen outside of the mobile device.
- The cloud infrastructure of device manufacturer or service provider provides the mobile personal cloud, for example, iCloud, oneDrive.

# MOBILE CLOUD COMPUTING

- Enables the storage for albums, music, files, and personal documents as well as computing facilities also, for example, MSOffice 365

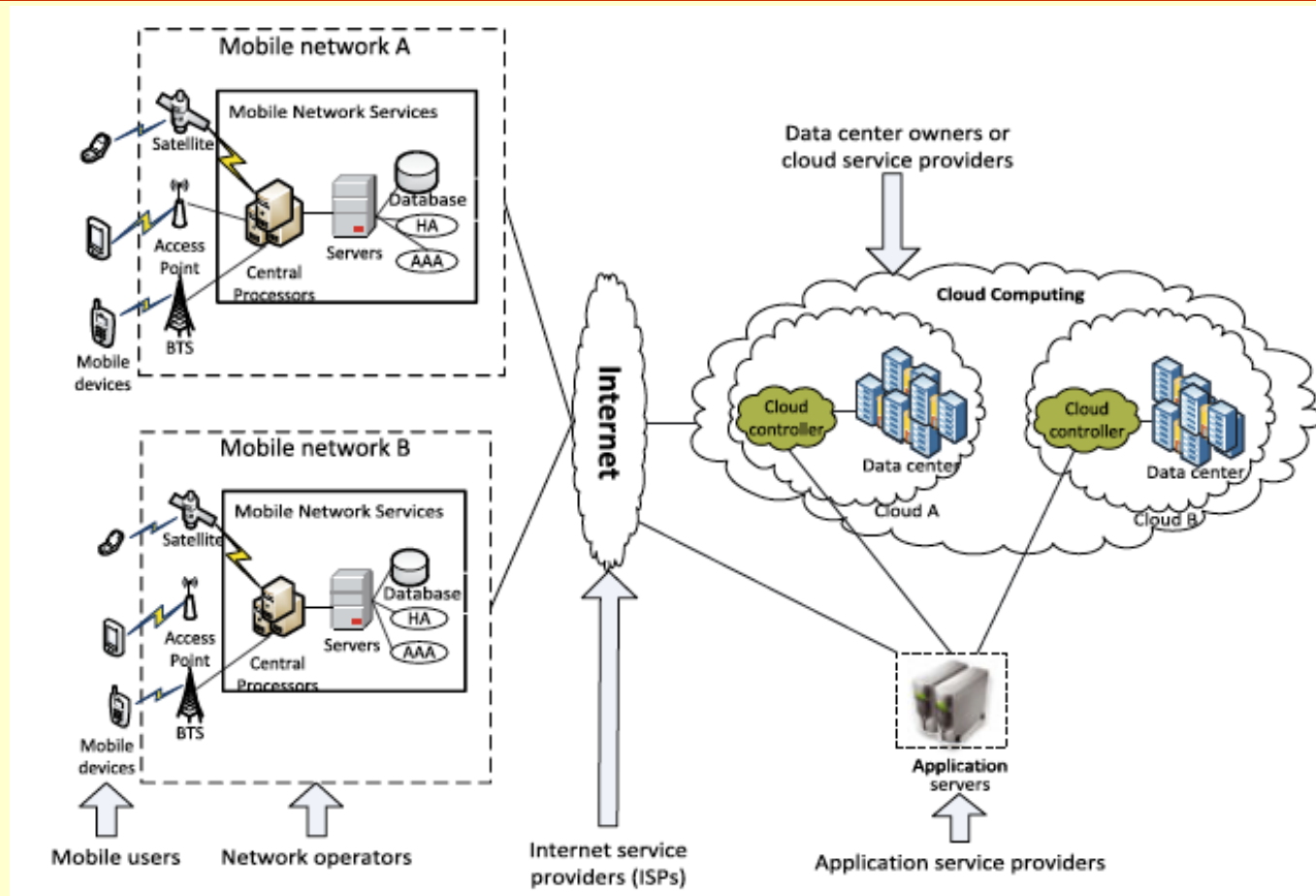
# AN AUTONOMOUS CLOUD SERVICE (ACS) AND MOBILE CLOUD NETWORK



# MOBILE CLOUD APPLICATIONS

- The computing power and data storage away from the mobile devices
- Powerful and centralized computing platforms located in clouds
- Access to Clouds the wireless connection based on a thin native client

# MOBILE DEVICES AND USERS NETWORKS, AND CLOUDS



Source: <https://www.cs.purdue.edu/homes/bb/cloud/MCC.pptx>

# MOBILE CLOUD NETWORK

- Cloud storage has become increasingly popular, both among individuals and companies. Mobiles can place the family photos, e-book, files, and personal records

# MOBILE CLOUD NETWORK

- A network, which enables an app at the mobile to the cloud service
- The mobile cloud network enables mobile devices to access the cloud storage, computing applications, secure databases at the cloud, business cloud service, and share photo library, books, music, albums, videos, and files.



# CLOUD SOLUTIONS

- Mobile Cloud network
- Storage and computing, databases and documents
- Business solutions for corporations or enterprises

# EXAMPLE

- Apple provide Cloud service allows users to store data, such as, music, photo, contacts, and iOS applications
- The storage and applications are at the remote computer servers.
- Multiple devices can download from there

# SUMMARY

- Cloud Network enables service to a device and provide access of (i) software, (ii) computing platform, (iii) computing and network infrastructure, and (iv) data storage.

**End of Lesson 04**  
**Mobile Cloud Network**