

# Internetworking

15-213: Introduction to Computer Systems  
19<sup>th</sup> Lecture, Oct. 28, 2010

**Instructors:**

Randy Bryant and Dave O'Hallaron

# A Client-Server Transaction



*Note: clients and servers are processes running on hosts  
(can be the same or different hosts)*

- **Most network applications are based on the client-server model:**
  - A **server** process and one or more **client** processes
  - Server manages some **resource**
  - Server provides **service** by manipulating resource for clients
  - Server activated by request from client (vending machine analogy)

# Hardware Organization of a Network Host

