# Talking to the World

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Lecture 14

# CDS, GDS, and DNS

- CDS, intra cell name space
- GDS
  - Global Directory Service
  - inter cell name space
  - x.500 implementation
- DNS
  - Domain Name Service

# GDA

- GDA
  - Global Directory Agent
  - talks x.500 or DNS
  - takes a name, decides if it is GDS or DNS and then routes the name to the correct service.
  - could also talk CDS for hierarchical cells

# Global Name Example, DNS

- /.../stanford.edu/fs/users/ron/myfile
  - cell name in DNS, /.../stanford.edu
  - file junction name in CDS, /fs
  - file name in DFS, /users/ron/myfile

# Global Name Example, GDS

- /.../C=US/ORG=Stanford/fs/users/ron/myfile
  - cell name in X.500, /.../C=US/ORG=Stanford
  - file junction name in CDS, /fs
  - file name in DFS, /users/ron/myfile