What is LDAP?

- Lightweight directory access protocol
- Client-server protocol for directory service (e.g., X.500)
- Schema and transport
- Standards based
What is a directory svc?

- Central information source, like white pages phone book
- Primarily lookup, read often
- Infrequent writes
- Not a relational database
Why a central dir?

- Minimize duplication of information
- Reduce errors due to copying and multiple sources
- Single identifier (ID) for user
Why not central dir?

- FERPA (confidentiality of student’s information)
- Don’t trust others with the data
- Fear of big brother
- Fear of falling into wrong hands
- But manageable with planning
Why central LDAP?

- Many roles at several campuses
- Common source of information for users and applications
- Enables Web-based services tailored to users’ needs
- Std protocol for client access
Why central LDAP? (cont)

- User authentication
- Access control (authorization)
- Configurability
- Core services
- Single, well-managed password improves security (universal ID)
ITS Username

- Students in credit classes
- Outreach students
- Faculty
- Staff
- Clinical staff
ITS Username (cont)

- RCUH
- EWC
- Visiting faculty
- Professor Emeritus
- Special programs with approval
Got LDAP?

- Student Employment and Cooperative Education
- OHR’s Historical Leave Information
- more to come...
What’s in LDAP?

- uid (ITS username)
- password (UNIX encrypted)
- name (last, first, middle)
- alternateID (ssn)
- affiliation (faculty, staff, student)
- homeCampus
What/who will use it?

- Wireless LAN access
- New Web applications
- Portals
- Roaming profiles
What’s next?

- Improve data collection and processing for UNISON
- UH Portal
- Web registration for the CCs
- Digital signatures
- Electronic approvals
What’s I2 got do w/ it?

- Middleware infrastructure
- Early Adopters program
- EduPerson
- Directory of directories
- Universal identifiers
Those other guys?

- LDAP allows any other backend
- Active Directory Service (ADS)
  - tight Win2K integration
- Novell Directory Service (NDS)
  - tight Novell integration
Links

- **LDAP: Use as Directed**

- **An LDAP Roadmap & FAQ**

- **Mark Wahl's LDAP FAQ**
Links (cont)

- **ITS Username**
  - [http://www.hawaii.edu/infotech/yourusername.html](http://www.hawaii.edu/infotech/yourusername.html)

- **LDAP v2** *(RFC 1777, 1778, 1779)*

- **LDAP v3** *(RFC 2251, 2252, 2253)*

- **ITS LDAP Team**
  - russ@hawaii.edu