Delegation

Explanatory review

- Where do cs.utahtech.edu servers get authority?
- Where did you get authority for the it.cit.utahtech.edu subdomain?
- Where did you get authority for your domain?
- What information had to be given to registrar for delegation?
 - · Name and ip of each authoritative server.

Delegation

- Most registrars require at least 2 authoritative servers
- Delegation, or glue, records link the DNS hierarchy together.
- Caching lookup servers receive the glue records to recurse through the hierarchy.

Lessee Steps (Person wanting to get a subdomain)

- Arrange for subdomain from registrar
- Configure one authoritative master
- Configure one or more authoritative slaves
- Give authoritative server information to registrar
- Test.

Lessee Notes

- Its ok for new names to point to existing addresses
 - i.e. ns1.games.horgoth.com and ns1.dsutux.us both have same IP (A record)
- We can have A records for IPs that aren't used yet
- Slave and master are set up same way we set up previously

Registrar Notes

- Agree to delegate
 - What subdomain will you use?
- Receive information from client
 - subdomain name, names and ips of clients authoritative servers
- Add a NS and A record to zone file
 - Increment serial
 - These are the glue records
- Restart bind
- · Test master and slave
- Fix errors