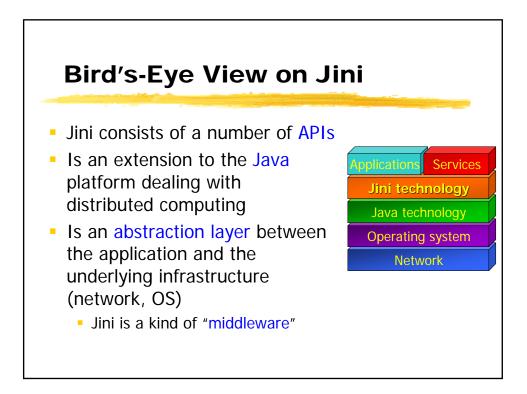
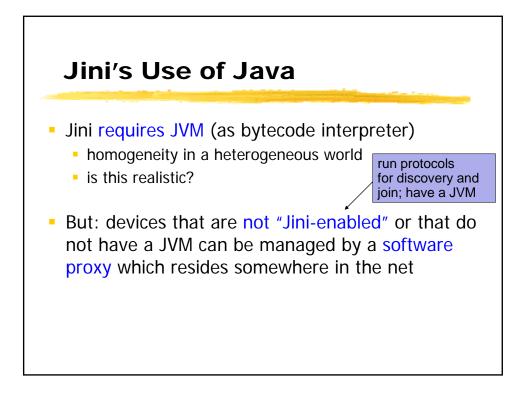
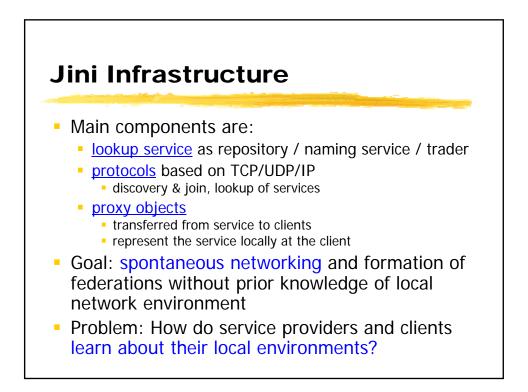


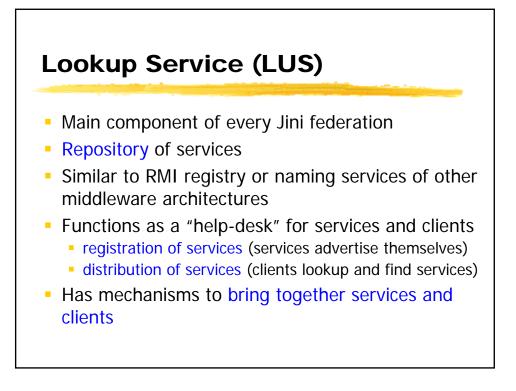


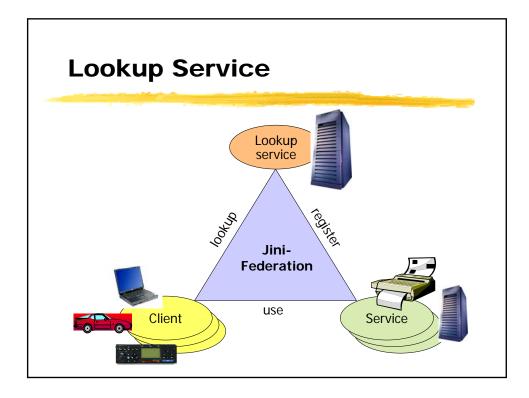
- The idealistic view...
 - the network is reliable
 - latency is zero
 - bandwidth is infinite
 - the network is secure
 - the topology is stable
 - there is a single administrator
- ...isn't true in reality
 - Jini addresses some of these issues
 - at least it does not hide or ignore them

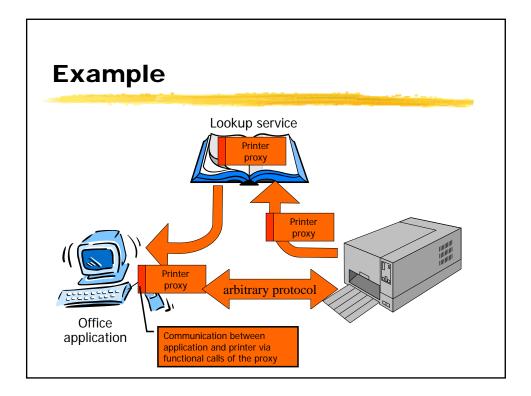


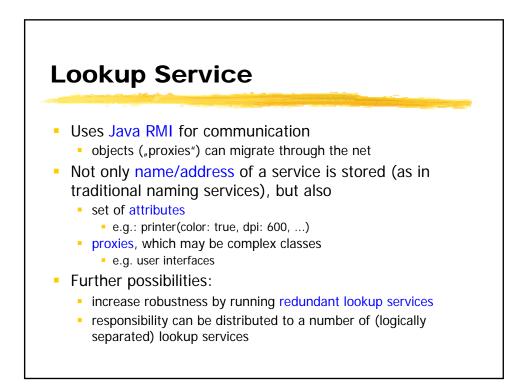


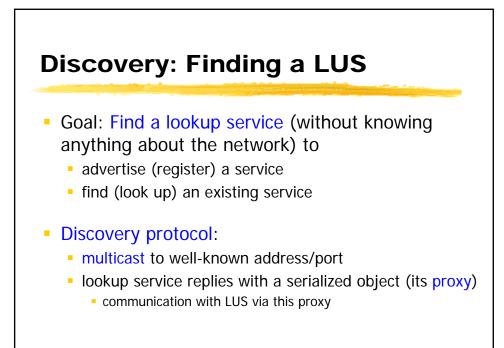


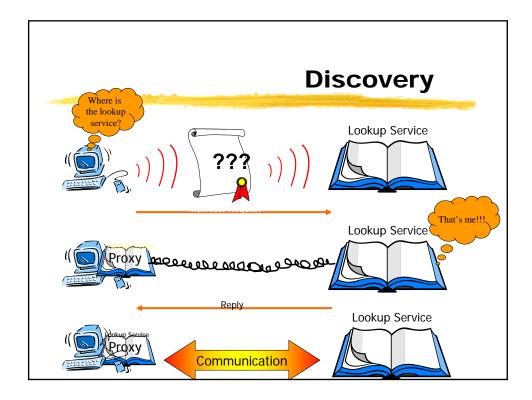














- No information about the host network needed
- Active search for lookup services
- Discovery request uses multicast UDP packets
 - multicast address for discovery is 224.0.1.85
 - default port number of lookup services is 4160
 - recommended time-to-live is 15
 - usually does not cross subnet boundaries
- Discovery reply is establishment of a TCP connection
 - port for reply is included in multicast request packet

