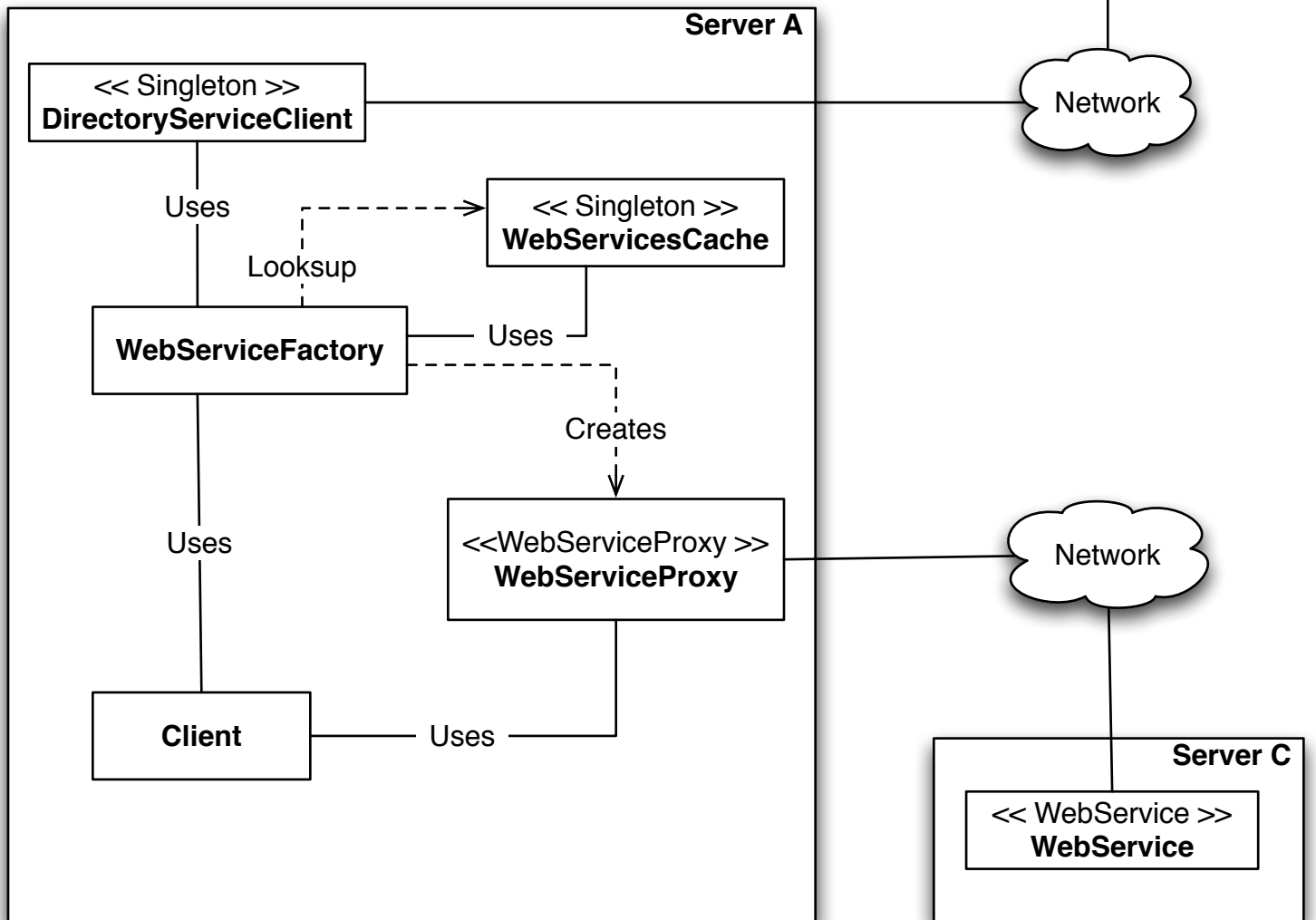


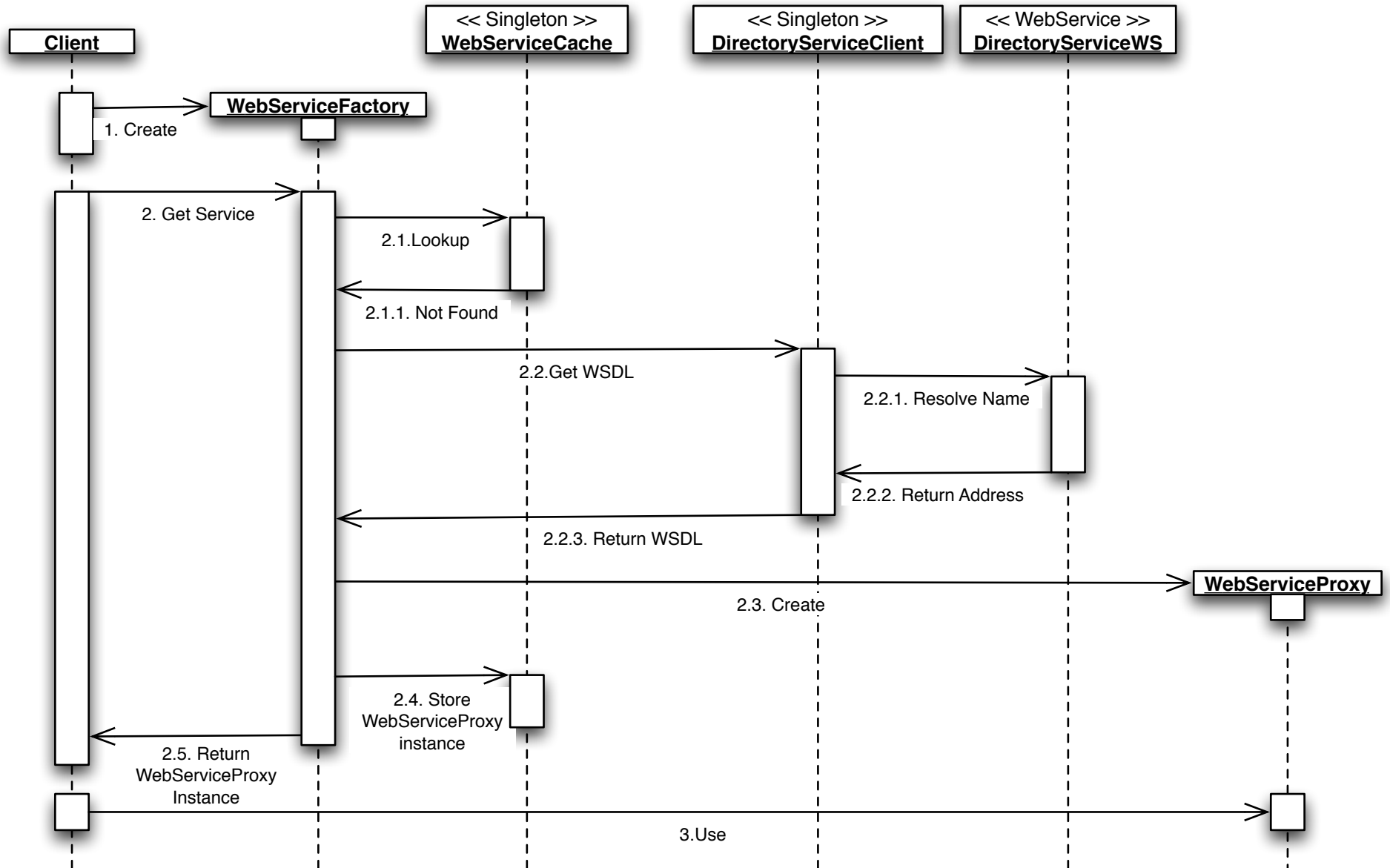
WebServices Caching and Directory Service

3/23/07 - Oscar Arevalo



1. Client wants to use a webservice
2. Client instantiates the **WebServiceFactory** and requests the desired webservice using a name that follows a standard naming convention
3. **WebServiceFactory** checks the **WebServicesCache** if there is a valid instance of the requested webservice
4. If there is a valid instance, then goto 10
5. If there is no valid instance, then the **WebServiceFactory** asks the **DirectoryServiceClient** to resolve the location for the given name
6. The **DirectoryServiceClient** asks the **DirectoryServiceWS** webservice for the requested name
7. The **DirectoryServiceWS** returns to **DirectoryServiceClient** the location corresponding to the requested name
8. **DirectoryServiceClient** passes the location to the **WebServiceFactory**
9. The **WebServiceFactory** uses the location as a WSDL to create an instance of a proxy for the requested webservice
10. **WebServiceFactory** returns to client then instance of the webservice proxy.

Case 1: The requested webservice is not on the cache



Case 2: The requested webservice is already on the cache

