

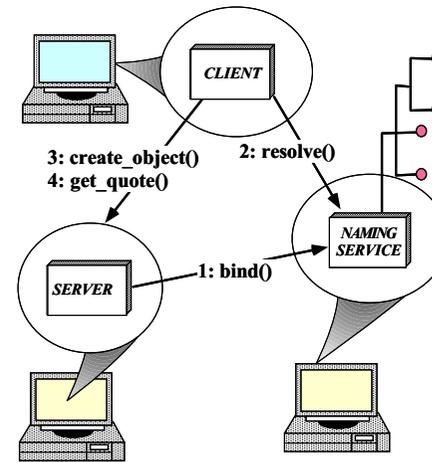
Overview of the TAO Naming Service

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Components in the CORBA Naming Service



- **Purpose**
 - Maps strings to object references
- **Implementation**
 - Naming Context can be a hierarchically nested graph
 - Written using ACE Hash Maps

Evaluation Criteria

- Conformance to the OMG specification
- Interoperability with other Naming Service implementations
- Performance of important standard interfaces, *e.g.*, context creation, name binding, and resolution
 - Raw performance
 - How the number of bound names affects performance
 - How context depth affects performance
- Scalability, *i.e.*, multiple clients

Future Work

- **Persistence**
 - use of database to store the bindings
- **High availability**
 - Replication of the bindings to other Naming Services currently running
 - * This will possibly be modeled after the LDAP Multi-Master Replication Protocol