**Simple CORBA tutorial**

**Objective**

This tutorial demonstrates how to setup a simple CORBA client and server using C++ in Linux environment.

**Setup your Linux environment**

1. g++ compiler installation

sudo apt-get install g++

1. ***omniORB*** installation

To install ***OmniORB***, a C++ implementation of CORBA, type in the command line:

sudo apt-get install omniidl omniorb omniorb-nameserver omniorb-idl libomniorb4-dev libomniorb4-1

After the installation, you have to configure ***omniORB*** by editing the file /etc/omniORB.cfg. First setup ***InitRef***. In this example, we use the localhost with the port number 4333.

InitRef = NameService=corbaname::localhost:4333

**Building the code**

Generate files from interface description ***example.idl***

omniidl -bcxx example.idl

omniidl will create files

* example.hh
* exampleSK.cc

The easiest way to build and compile all files is to use cpp/makefile.

**Executing the program**

1. NameServer

sudo omniNames -start 4333 -logdir ~/omnilog/ -errlog ~/omnilog/omniNamesError.txt

sudo omniNames -logdir ~/omnilog/ -errlog ~/omnilog/omniNamesError.txt

Note: Please make sure you have ***omnilog*** directory in the given path

1. Server

./server -ORBInitRef NameService=corbaloc::localhost:4333/NameService

1. Client

./client -ORBInitRef NameService=corbaloc::localhost:4333/NameService