
Visibroker

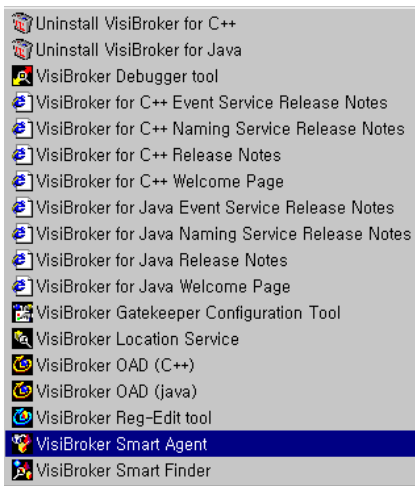
Visibroker

CORBA

Visibroker

Visibroker
 Visibroker for C++/Java
 가

[Visibroker]



(Visibroker 1.gif)

가 IDL OMG spec
 C, C++, SmallTalk, Ada, Java, COBOL 6
 spect ORB

C spec CORBA
 Visibroker C, COBOL, Ada Java
 spec Visibroker

!
 가 Inprise\vbroker 가 vbroker
 adm, bin, docs, examples, idl, include, java_examples, jre, lib
 가

adm	Agent OAD가
bin	
docs	reference manual(HTML)
examples	C++
idl	CORBA spec IDL
include	CORBA
java_examples	Java
jre	
lib	CORBA

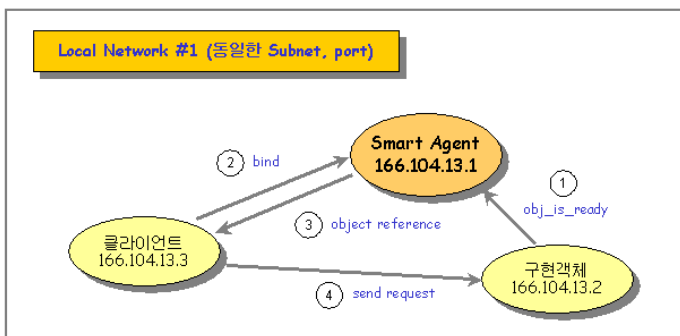
Smart Agent

OSAgent(Smart Agent)

가 (OAD)
 , Visibroker OSAgent
 bind

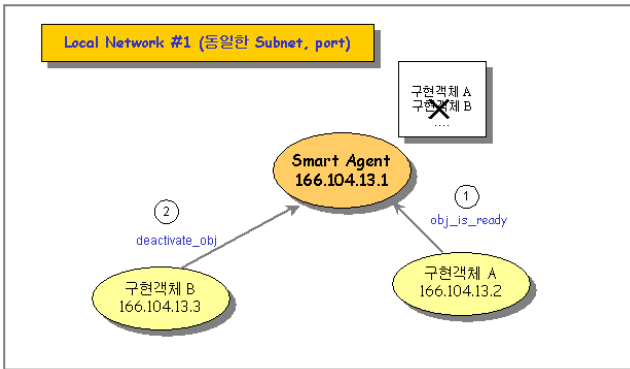
OSAgent 가

IOR OSAgent
 UDP (14000) OSAgent (obj_is_ready)
 , OSAgent 가 OSAgent
 가 OSAgent
 (bind), OSAgent 가
 IOR OSAgent IOR OSAgent



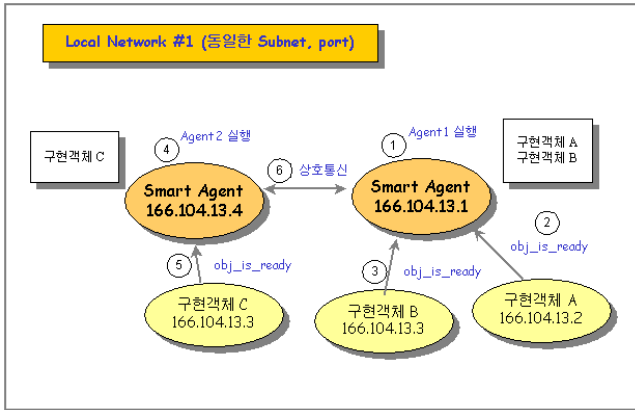
(osagent1.gif)

가 가 OSAgent
 (deactive_obj) . kill -9
 (NT ,) OSAgent
 OSAgent 가 .
 OSAgent 가 가 .



(osagent4.gif)

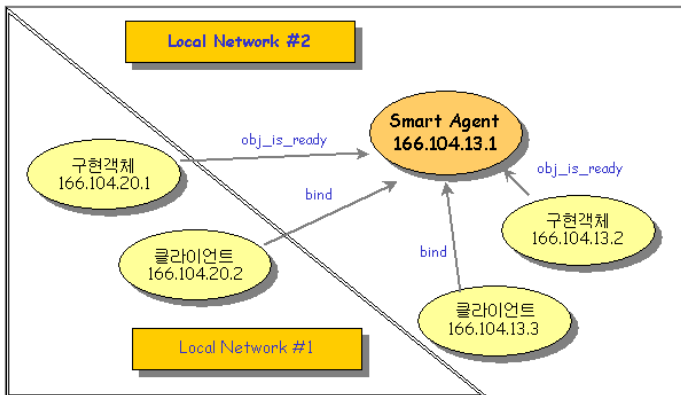
/ 가 OSAgent
 OSAgent UDP (JDK1.1 ,
 UDP OSAgent Java Agent
 vbj) , OSAgent 가
 LAN
 OSAgent OSAgent 가
 OSAgent 가
 OSAgent OSAgent UDP
 TCP



(osagent5.gif)

OSAgent

OSAgent 가 가 UDP 가 , OSAgent
 #2 OSAgent Local Network #1 OSAgent 가 Local Network



OSAGENT_ADDR
 NT [/ /] OSAGENT_ADDR OSAgent 가
 IPAddress , 95/98 autoexec.bat

set OSAGENT_ADDR=166.104.13.1

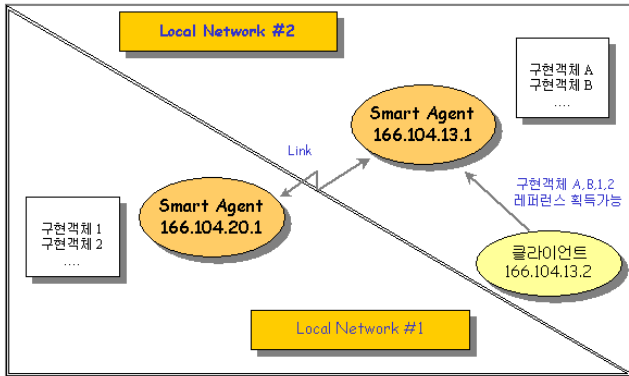
prompt> setenv OSAGENT_ADDR =166.104.13.1

```
prompt>Server -ORBAgentaddr 166.104.13.1
prompt>Client -ORBAgentaddr 166.104.13.1
```

```

      IPAddress      OSAgent
      . OSAGENT_ADDR      -ORBAgentaddr      /
가 OSAgent      ,      OSAgent
OSAgent      OSAGENT_ADDR_FILE
Local Network #1 #2      OSAgent 가
      Local Network #1      OSAgent 가
      OSAGENT_ADDR_FILE      Local Network #2
OSAgent      IPAddress 가      . Local Network #2

```



```

      NT      [ / / ]
OSAGENT_ADDR_FILE      C:\inprise\vbroker\adm\agentaddr
95/98      autoexec.bat

```

```
set OSAGENT_ADDR_FILE=C:\inprise\vbroker\adm\agentaddr
```

가

```
prompt> setenv OSAGENT_ADDR_FILE=/users/vbroker/adm/agentaddr
```

```
OSAgent      IPAddress
```

```
//agentaddr
203.236.202.1
```

```

      OSAgent      -ORBAgentport
      OSAGENT_PORT

```

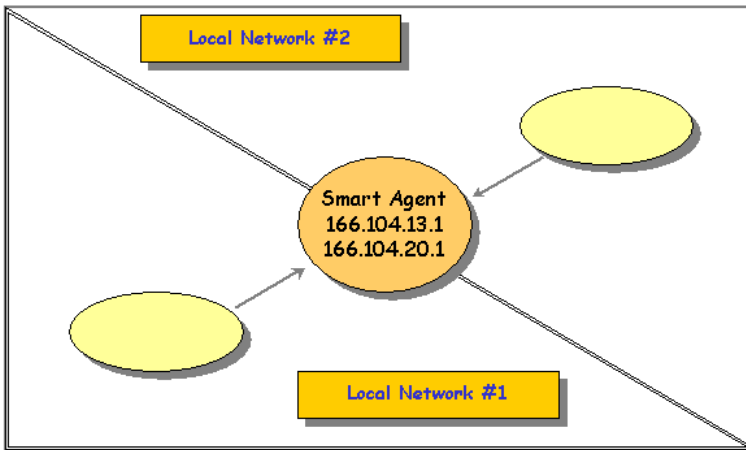
prompt>Server -ORBAgentport 14001

가 TCP
-OAPort TCP 14001

prompt>Server -ORBAgentport 14001

Crossing the Subnet

, OSAGENT_LOCAL_FILE OSAgent 가



NT [/ /] OSAGENT_LOCAL_FILE
C:\inprise\vbroker\adm\localaddr , 95/98 autoexec.bat

set OSAGENT_LOCAL_FILE=C:\inprise\vbroker\adm\localaddr

가

prompt> setenv OSAGENT_LOCAL_FILE=/users/vbroker/adm/localaddr

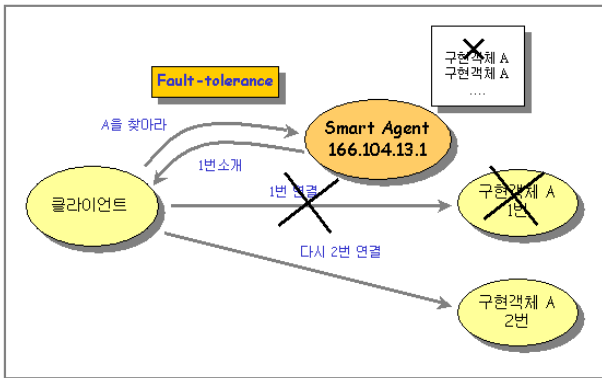
IPAddress

```
//localaddr
#For each interface spectify:
#<address> <subnet mask> <broadcast address>
166.104.13.1 255.255.255.0 166.104.13.255
```

172.89.72.9 255.255.255.0 172.89.72.255

Fault-tolerance

OSAgent 가 Fault-tolerance 가 OSAgent 가 bind() OSAgent 가
 1 , 1 가 Fault-tolerance enable_rebind true
 가 , true .



(osagent9.gif)

start

가 .
가

```

prompt>osagent -C
prompt>start CorbaServer
prompt>start CorbaServer
prompt>CorbaClient
C:\source\start>CorbaClient

```

```

2 ~(:)
w ~(:)
~(:)

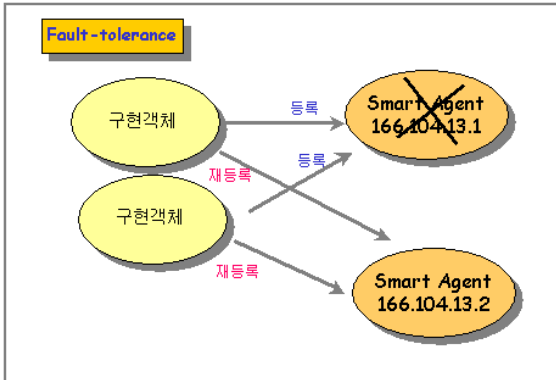
```

OSAgent 가 OSAgent 가 OSAgent 가 OSAgent 가

OSAgent
가

OSAgent

15



(osagent10.gif)

가 start

OSAgent

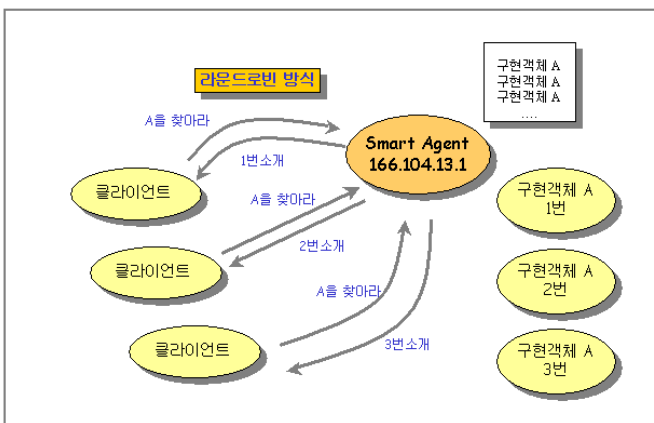
```

prompt>osagent -C
prompt>start CorbaServer
VisiBroker: Unable to locate agent. Will try every 15 seconds to locate agent
VisiBroker: Unable to locate agent. Will try every 15 seconds to locate agent
VisiBroker: Unable to locate agent. Will try every 15 seconds to locate agent

```

가 가
가

가 가 1
2 ,3



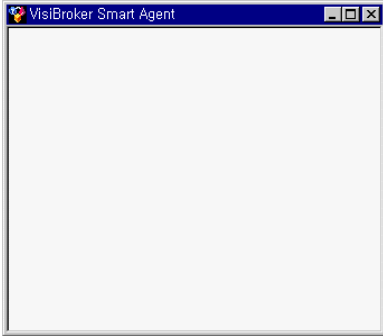
(osagent2.gif)

OSAgent

OSAgent

가

Smart Agent



(osagent.gif)

Visibroker Smart Finder

osfind(Smart Finder) 가
account

```
prompt>start osagent -C  
prompt>start account_server  
pompt> osfind
```

```
Agent 가 14001 UDP 가 KING  
OAD , 가  
, Repository ID 가 IDL:Account:1.0 , Jack B. Quick 가
```

```
osfind: Found one agent at port 14001  
HOST: KING  
osfind: There are no OADs running on in your domain.  
osfind: There are no Object Implementations registered with OADs.  
osfind: Following are the list of Implementations started manually.  
HOST: KING  
REPOSITORY ID: IDL:Account:1.0  
OBJECT NAME: Jack B. Quick
```

```
Agent 가 osfind  
가
```

```
VisiBroker: Unable to locate agent. Will try every 15 seconds to locate agent  
DSUser:: Unable to contact agent. Make sure there is an agent running on this network  
osfind: There are no agents running in your domain.
```

```
OSAgent  
가 OSAgent
```

가 OSAgent 가
 . start .
 . osfind .
 . prompt>osagent -C
 . prompt>start CorbaServer

NT kill -9
 . osfind 가 .
 . , Client .

IDL

IDL CORBA IDL C++
 Java IDL , 가 가 .

- idl2cpp

prompt>idl2cpp account.idl

- idl2java

prompt>idl2java account.idl

idl2cpp IDL C++ stub/skeleton , idl2java
 Java stub/skeleton .
 IDL to C++ IDL to Java .

break-point

Visibroker
 start

[1] osagent

prompt> osagent -C

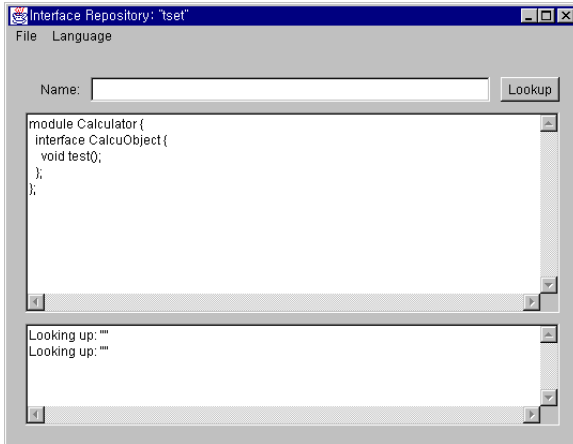
[2] irep

prompt>irep MyIrep

irep 가 . irep 가 .
 [File/load] . start

Calculator.idl

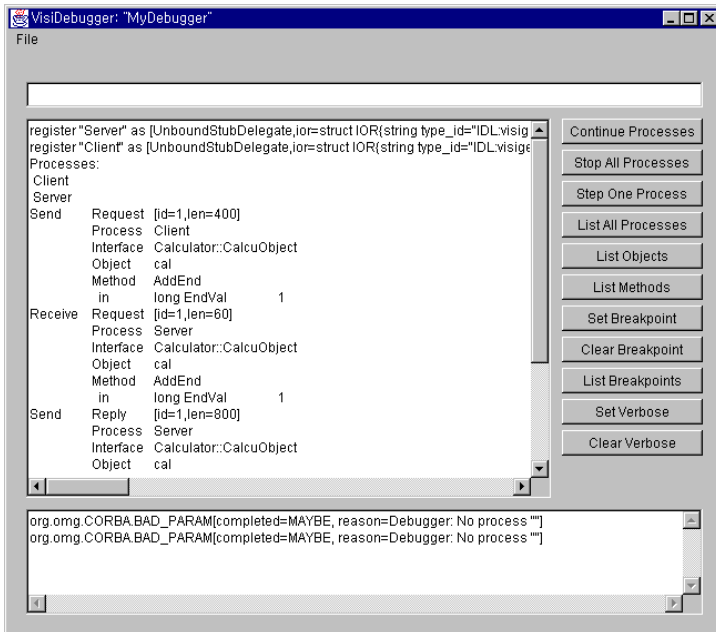
Lookup



[3] debugger

[4]

[5]



OAD

1. OSAgent ()
prompt> osagent &

2. OAD (가)

prompt> oad &

3. / / (oadutil)

[]

prompt>oadutil reg -i -o -cpp

prompt>oadutil reg -r ID -o -cpp

Sample Account 가 account

(, AccountImpl a("account");)

prompt> oadutil reg -i Sample::Account -o account -cpp C:\Inprise\
vbroker\examples\account\account_server.exe

prompt> oadutil reg -r IDL:Sample/Account:1.0 -o account -cpp C:\Inprise\
vbroker\examples\account\account_server.exe

-p

prompt>oadutil reg -i Sample::Account -o account -cpp C:\Inprise\
vbroker\examples\account\account_server.exe -p per-method

[]

prompt>oadutil unreg -i -o -cpp

prompt>oadutil unreg -r ID -o -cpp

[]

prompt>oadutil list

4.