

# CORBA

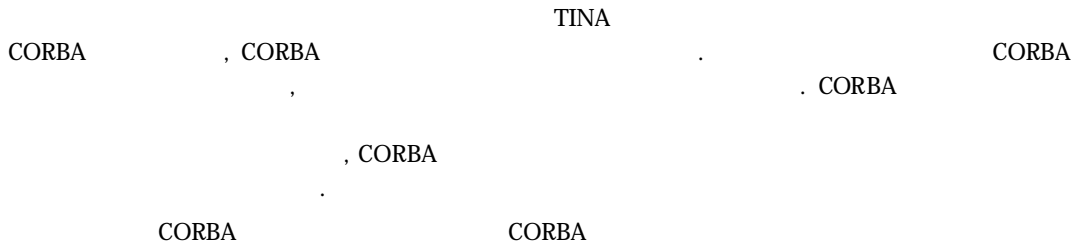
○ \*, \*, \*\*, \*\*, \*

## Design of CORBA Object Group for Large Scale Distributed Applications

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### 1.

OMG(Object Management Group) CORBA(Common Object Request Broker Architecture)

### 2. TINA

TINA

[6].

IDL(Interface Definition Language)

ORB(Object Request Broker)

[1]. CORBA 가 가

[2]. CORBA 가 가 (contract)

[3]. CORBA 가 가

[4]. CORBA 가

[4,5]. CORBA 가

### 3. CORBA

CORBA TINA CORBA

C(Telecommunications Consortium) Information Networking Architecture TINA

[4,5]. TINA

CORBA CORBA

3.1 ●

가

가

가

(ID)

3.2

3.2.1

가

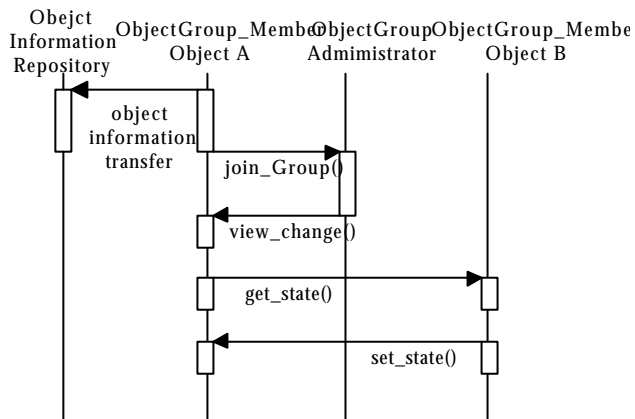
가

ID

가

2

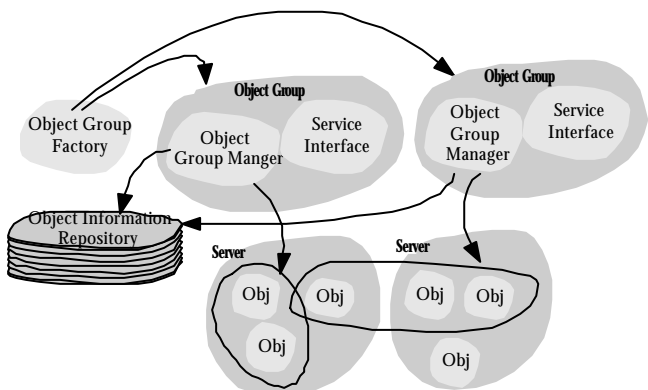
가



가

1

2



1

가

ORB

3

IDL

3.2.2

```

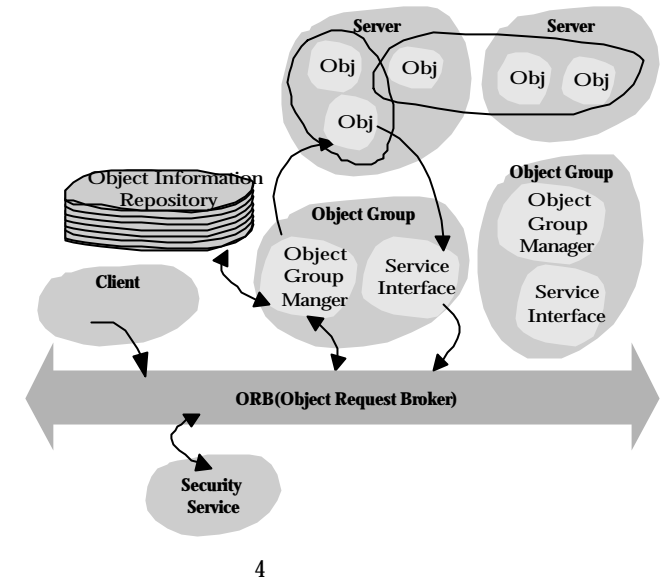
module Group {
  interface ObjectGroupFactory {
    ObjectGroup create(in groupName group_name);
  }
}
  
```

```

void delete(in ObjectGroup obj_group);
};
interface ObjectGroup {
    ObjectGroupAdministrator create
        (in groupName group_name);
    void delete
        (in ObjectGroupAdministrator objgroupadm);
};
interface ObjectGroupAdministrator {
    void join_Group(in ObjectGroup_Member member);
    memberIdList member();
    void leave_Group(in ObjectGroup_Member member);
};
interface ObjectGroup_Member {
    any get_state();
    void set_state(in any state);
    void view_change(in any view);
    any deliver(in any msg);
};
};

```

3 IDL



4.

3.3 CORBA

CORBA

가

가

CORBA

4

CORBA

TINA-C

CORBA

TINA  
TINA

CORBA

IDL, ORB

가

CORBA

TINA

CORBA

CORBA  
(Fault-Tolerance)

가

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[4] N.Natarajan, F.Dupuy, N.Singer, H.Christensen, "Computational Modeling Concept," Document No. TB\_NAT.002\_3.1\_94, TINA-C, 1994.

[5] Martin Chapman, Stefano Montesi, "Overall Concepts and Principles of TINA," Document No. TB\_MDC.018\_1.0\_94, TINA-C, 1994

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[7] Nguyen Duy Hoa, “Distributed Object Computing with TINA and  
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