

CORBA

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CORBA based Realtime Distance Multimedia Education System

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CORBA

OMG
CORBA

4

1. [4,7,8,9].

COBRA

가 , , 가

가 [1]. , CORBA . 2

가 , ,

Interface) CGI(Common Gateway , OMG CORBA . 3

가 , , CORBA

가 . 4

가 . 5

CORBA 2.

가 . CORBA 2.1 CORBA-

[2,3]. , CORBA 가

가 [5].

가 . ,

, OMG CGI

가
CORBA

[6].

DB

CORBA

CORBA

가

, CGI

3. CORBA

OMG

CORBA

OMG

CORBA

3.1

2

CORBA

2.2 OMG

OMG

CORBA

[4].

(stream)

(media)

(flow)

1 OMG

1

end-point

가

(source)가

(sink)가

end-point

(entity)

(stream interface control object)

IDL(Interface Definition Language)

(basic object

adaptor)

CORBA

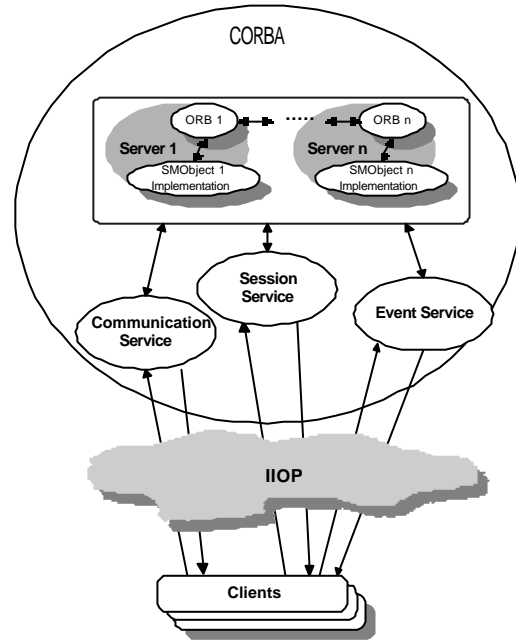
(stream source)

(stream

sink)

가

(stream adaptor)



2. CORBA

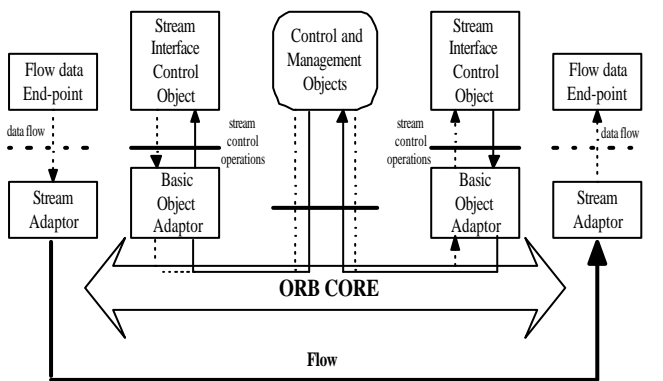
3.2

가

CORBA

CORBA

가



1.

A/V Stream

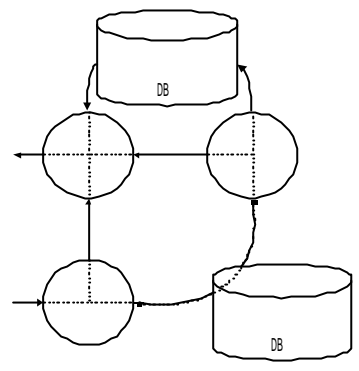
- :
- :

가

```
string TargetID;
}
```

4.

(context)



3.

가

가

3.3

OMG

CORBA

[9].

- MMDev controller
- MMDev
- VMdev
- Flow controller

- StreamPort
- Stream controller

(group)

(event

daemon),

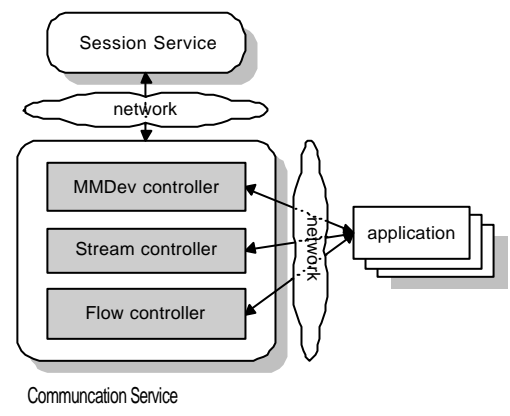
가

[9].

가

3

```
Interface SessionManager {
//
.....
//
unsigned short groupCreate(in string ClientID, in
unsigned short max, in string topic);
boolean groupDestroy(in string ClientID, in short
GroupID);
boolean sessionJoin(in string ClientID, in string
GroupID);
boolean sessionLeave(in short ClientID, in string
GroupID);
SessionID *searchClient(ClientID);
UserInformation getUserInformation(in string
ClientID);
getToken(in string ClientID, in string GroupID);
giveToken(in string ClientID, in string GroupID, in
```



5.

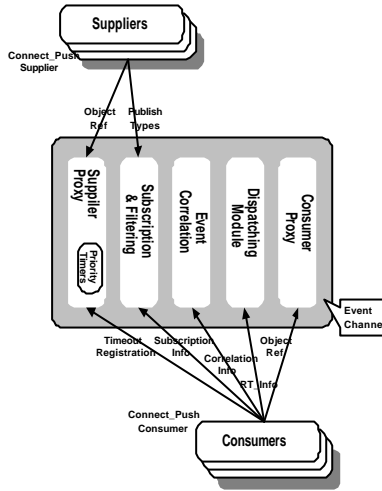
COS

가

가

[7]. 가 . CORBA

,
가 , CORBA
가
가



6.

4. 가

가

	GroupCreate()
	GroupJoin()
	Class_Open
	GetToken()
	GiveToken()
	GetToken()
	GroupLeave()
	GroupDestroy()

CORBA IDL

CORBA

가가

5.

OMG

CORBA

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