**Linkage**

* Purpose And Background

When establish a big Web Site, it's inevitable to use the distribution technology.

After we divide the whole system into distributed part, we could call them as service each other. Each service could provide the specific function like Sending Message to the user when Login,

Writting the record into the database.

But how to call a distributed service ? Is there a need that we establish a service calling protocol for each service calling. Answer is definitely not, we need to design a unified middleware which could use between the service and the service caller.

Linkage is such a middleware which could bond all of the distributed services into one whole system.

See the chart below, applications, services, db , cache are placed at distributed computers. Between each is linkage. We use linkage to deal with the communication with services and applications.

Application1

Application2

Application3

Service 1

Service 2

Service 3

DB

File System

Cache

* Design

Communication

Message Wrapper

Message Unwrapper

Communication

Serialize Request

deSerialize request

Deserialize Response

Serialize response

Caller(Comsume)

Service Provider

* [performance](javascript:void(0);) [index](javascript:void(0);)

Concurrence and presure test