2.1 Distributed

1).To be a true system model, an Architecture must allows a distributed involving system to support millions of object without risk. COM is such an application built.

2).COM support distributed object. i.e. allow application in a number of different component. Objects each of which can run on a different computer.

2.2 Scalable

1).It means that if new H/W is added to the system, the performance of the system should be improved automatically. This means that if an application shipped (change) from a single process or environment to a Multiprocess environment. The application should be able to take advantage of Multi-processing environment.

2).A scalable application can readly adopt to an increase work load without encouring H/W expenses or poor performance.

3).Scalability is a critical feature for those application that must support on expending enterprise.

2.3 COM Security

For a Distributed object system to be useful in real word it must provide a means for secure access to object and the data they encapsulated.(Single application).

COM provide security among several crucial dimension.

1).COM uses standard O.S permission to determine whether a client has write to start the code associated with a particular object.

2).COM uses O.S application permission to determine if a particular client can load the object at all or not. If so, whether they have read, write access it.

3).COM provide cross process and cross N/W object server with a standard security information about the client or the client that are using it. So, that a server can in more.

4).COM get security against unauthorized user to access the data.

2.4 Transactions and Databases

Transactions are atomic operation in which one part of the operation can succeed unless all part of the operation succeed.

A successful transaction is committed and any changes, it has made data store.

Unsuccessful transaction are rolled back so that all data are stored returned to their state prior to the transaction inception. This transaction approach to data modification helps develops guaranteed that data store in consistence state.