

High availability architecture:

When a single failure or server error in the system. The application should not stop its task, there are so many reasons of

Failure bugs, upgrade, maintenance and that cause downtime.

There are so many important sectors that have to deal with these, so

The redundant service is made to work even in failure.

The purpose of the haa is to run with least downtime.

Many companies use 5- 9', which has 6 minutes of downtime per year.

Topic Endpoints and Queues:

Queue is configured with the topic subscription and it can subscribe to more than one topic and receive a message from the publisher. Queues can provide exclusive access to one consumer or access to multiple consumers where messages are distributed among the consumers.

A topic endpoint attracts messages published to a single topic for which the topic endpoint has a matching subscription. Any topic endpoint whose topic subscription matches the topic on the incoming messages will receive those messages.