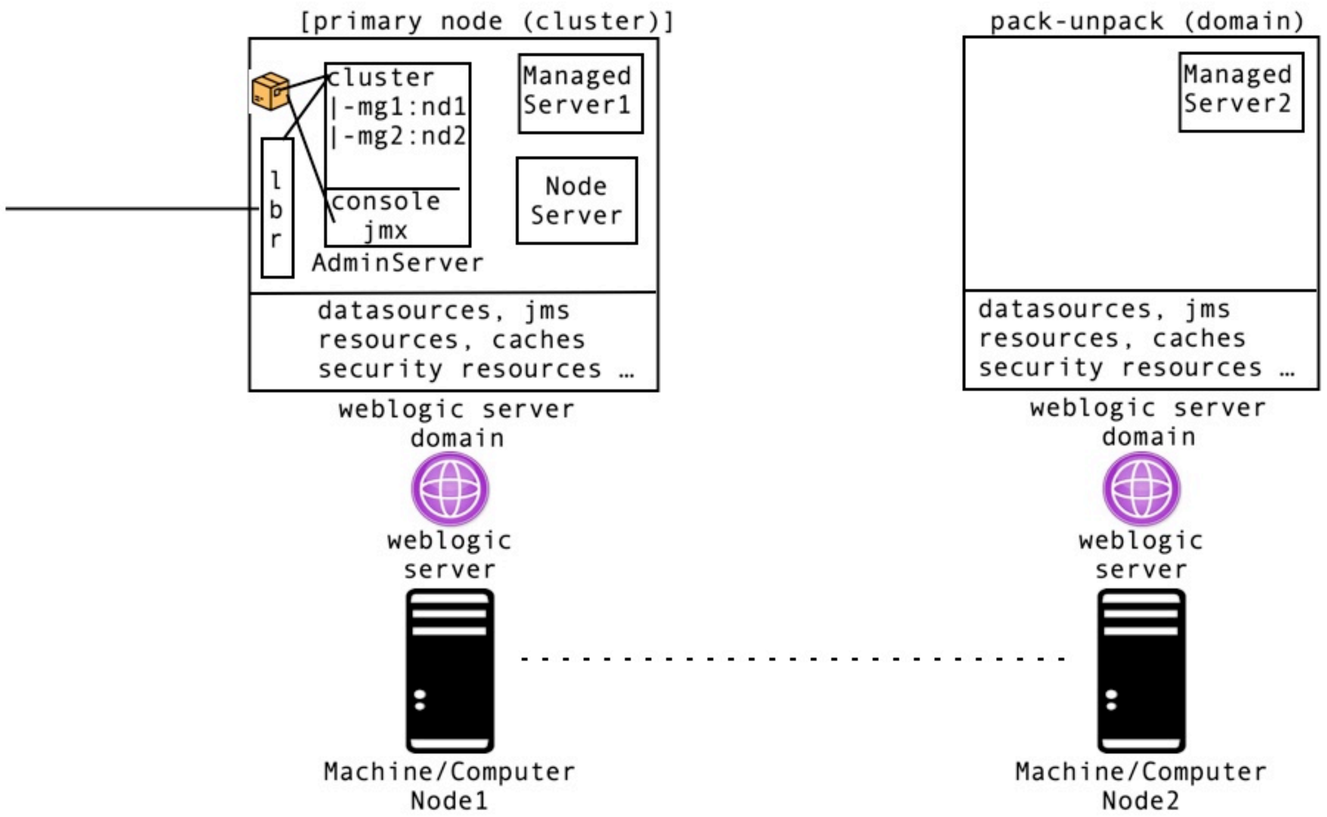

Domains/Profiles:
Jee application servers supports domains/profiles to keep different groups of applications run isolated from each other. A domain/profile holds Configurations/Resources pertaining to an application or a group and keeps those applications run isolated from others.
A domain can be packed and can be unpackaged on the other nodes of the cluster to quick recreate the environment, to have our application running.

Within a cluster of weblogic server machines, there will be one primary node which acts as master of the cluster in which we create AdminServer that manages the administrative activities of deploying/distributing the resources/configurations/applications on the nodes of the cluster.
Per each node on the cluster we create an Managed Server, on which the applications are deployed and run with the domain resources/configurations.

Admin Server:
on the primary node of the cluster we have AdminServer configured. The Weblogic Server Console and JMX endpoints are targeted to AdminServer. Using these console/jmx endpoints we can perform administrative activites on the nodes of the cluster like
1. deploying/undeploying the applications across the nodes of the cluster
2. start/stop/restart all the managed servers of the cluster
3. creating resources
   1. datasource
   2. jms queues/topics
   3. cache
   4. security roles/users

etc
The AdminServer takes care of propagating any changes that are targeted to cluster of the domain across all the nodes of the cluster.

Manager Server:
All the application deployments are targetd to the ManagerServers, and these runs the applications with domain resources/configurations keeping applications isolated from others

NodeManager = Monitors and reports the health of the ManagerServers on the cluster

Loadbalancer = The HTTP/HTTPS loadbalancer is an internal component of the jee application server, which takes care of receiving the incoming traffic and distributes across the nodes of the cluster based on the health reported.