**MASTER SERVER**

1. Each node in the layout is a server meant for different purposes

2. There is a double way flow of information & requests

3. The Server controller is the main server which receives all the requests and redirects the requests to appropriate sub servers

4. Every node in the layout will have duplicate servers (so that if a server goes down, the duplicate server can do the task)

5. The 2nd level nodes in the layout will have collection of many servers (like a cluster) to split the workload.

6. Some second level nodes can access other second level nodes (e.g. PHP Master Files Server can access Master Database Server, Project Servers, Gallery Servers, etc.) Via Server Controller

7. The server needs to be running Apache, MySQL and needs to be a Linux Based Server

8. The workload on every server needs to be minimized as much as possible

9. Every Server runs 24/7 and if maintenance is required, duplicate servers are used