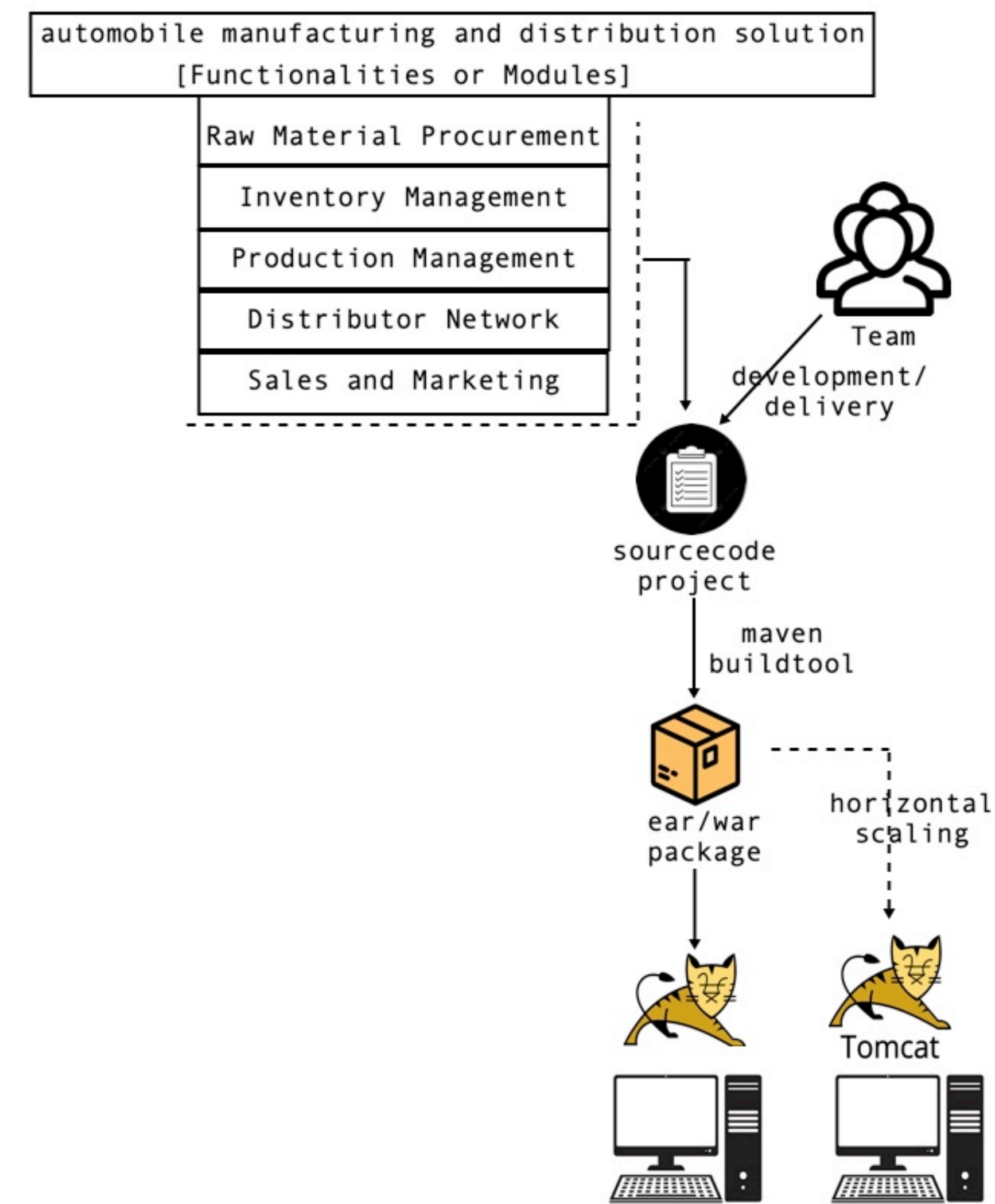


Monolithic Application
Architecture



- advantages:
- 1. everyone in the team knows all the modules/functionalities of the whole system, thus any one can work on any of the modules of the system
 - 2. easy to build, package and deploy the application
 - 3. scalability can be achieved very easily by deploying one more instance of the application on another server/computer

- dis-advantages:-
- 1. as the enterprise large-scale application is huge in nature that comprises of several modules/functionalities aspart of it, the developers find it very complex to understand the whole system and often find it very difficult to work on it
 - 2. Integrated development environments (IDEs) becomes very slow in handling such a huge code, that kills the developers time in developing the application
 - 3. overloaded server runtimes (tomcat/weblogic/websphere..) they take more time in deploying and starting up the application and even shutdown as well. So developing and debugging the application is very slow.
 - 4. Monolithic applications supports only horizontal scaling, which means the whole/entire system should be scaled on one more computer
 - 1. even though the load on one module is high we need to scale the entire system due to which the cost of scalability will be very high
 - 2. we cannot customize the computing resources in scaling a specific module/functional area of the system