

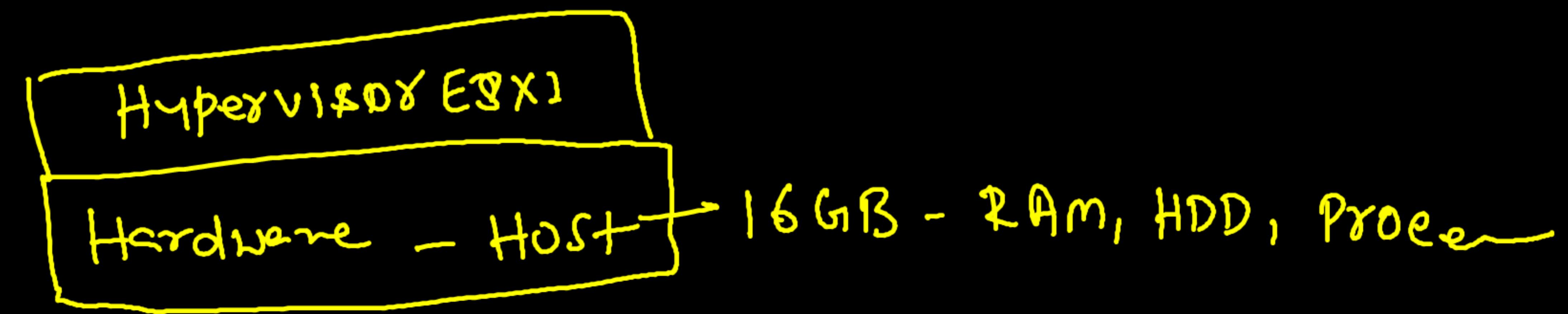
- DOCKER - 2013
- DOCKER - open-source centralized Platform - Create, deploy & run application.
- We can install Docker on any OS but Docker engine runs natively on Linux distribution.
- DOCKER (Language) → "go" - Google
- Docker is a tool that performs OS level Virtualization, also known as "Containerization".
- Docker uses containers on the host OS to run applications.
- Before Docker, Many user faces the problem a partial code

IaaS - Git/Github  
 PaaS - Docker/K8s  
 SaaS



→ Docker - uses O.S Level virtualization whereas VMWare uses Hardware level virtualization.

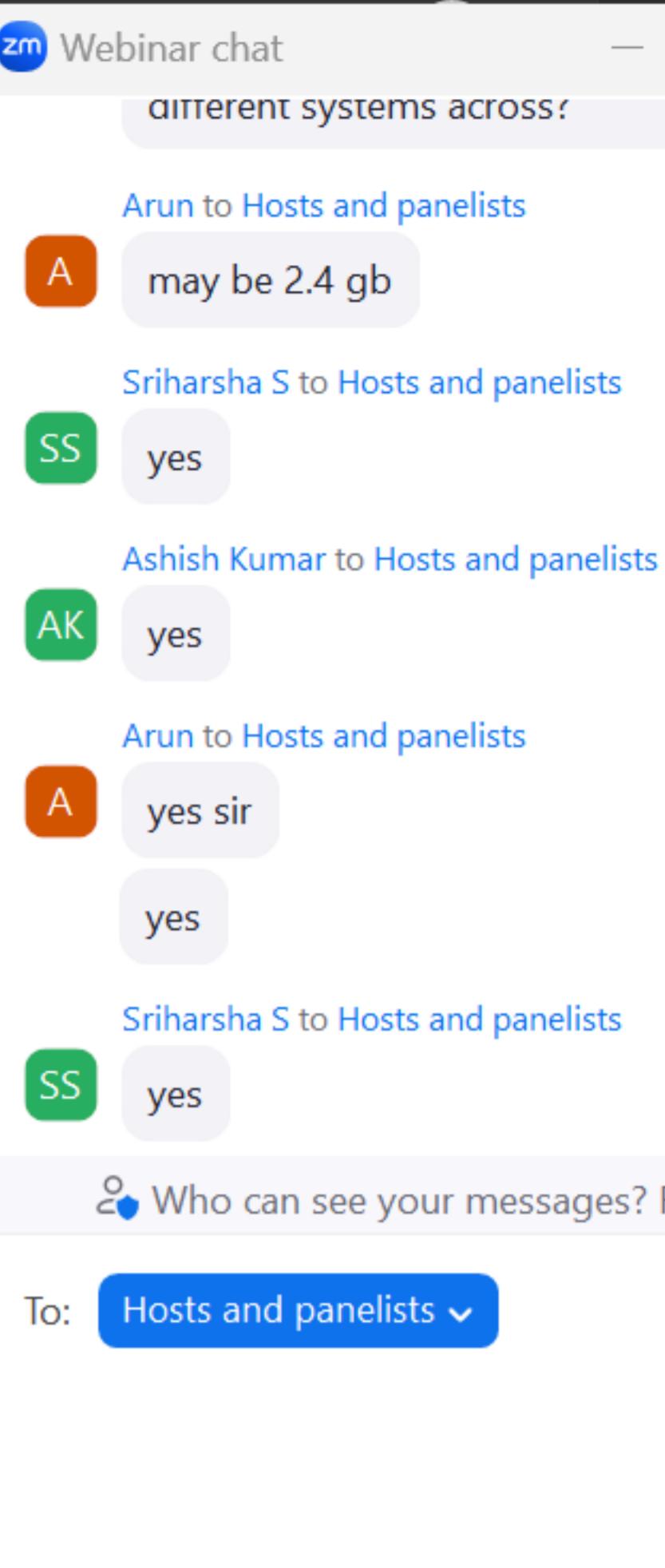
VMWare - virtualization



## Advantages of Docker

1 GB

- NO Pre-allocation of RAM
- CI Efficient → Docker enables you to build a image & use that same image across every deployment process.
- Less
- it is light in weight
- it can run on Physical H/w | Virtual H/w or on cloud →
- it can re-use the image
- it took very less time to create container



## Dis-Advantages of Docker

- Docker is not a good solution for application that requires rich GUI.
- ✗ → Docker is suitable when the development O.S and test O.S are same.
- if the O.S is diff, we should use V.M.
- No solution for Data Recovery & Backup.
- Diff to manage large amount of container.

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