Cloud computing - Service mesh and containerized microservices!

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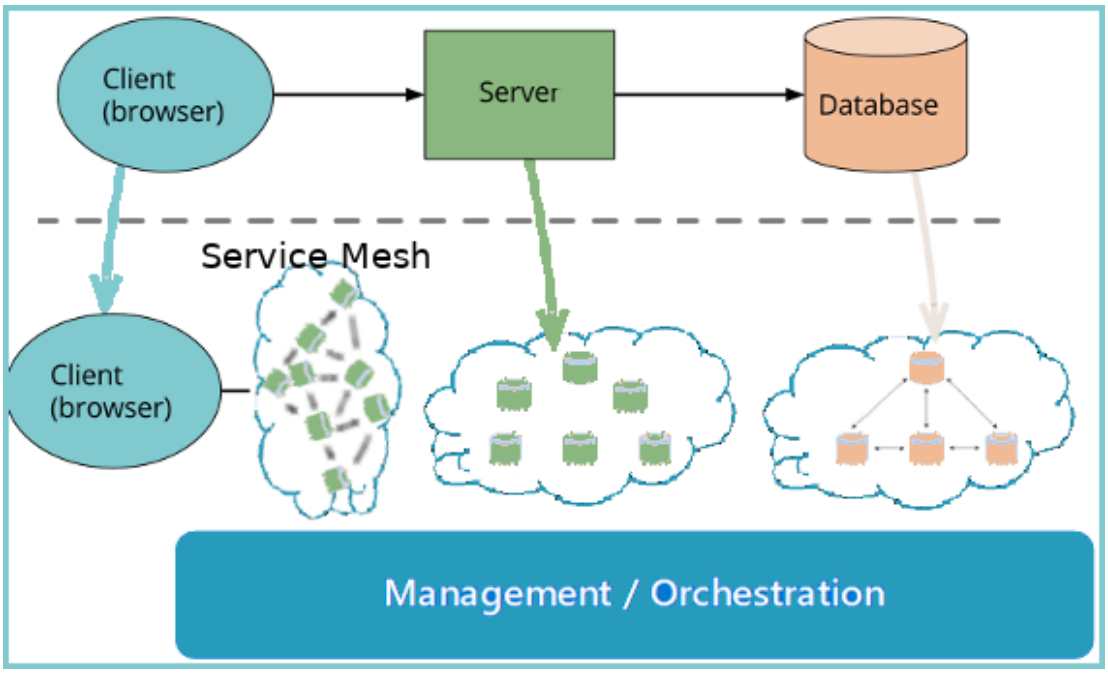
1. From Static → Dynamic

Service mesh and microservices networking

We will be trying to create a swarm implementation that will allow communication between all of the members/nodes.

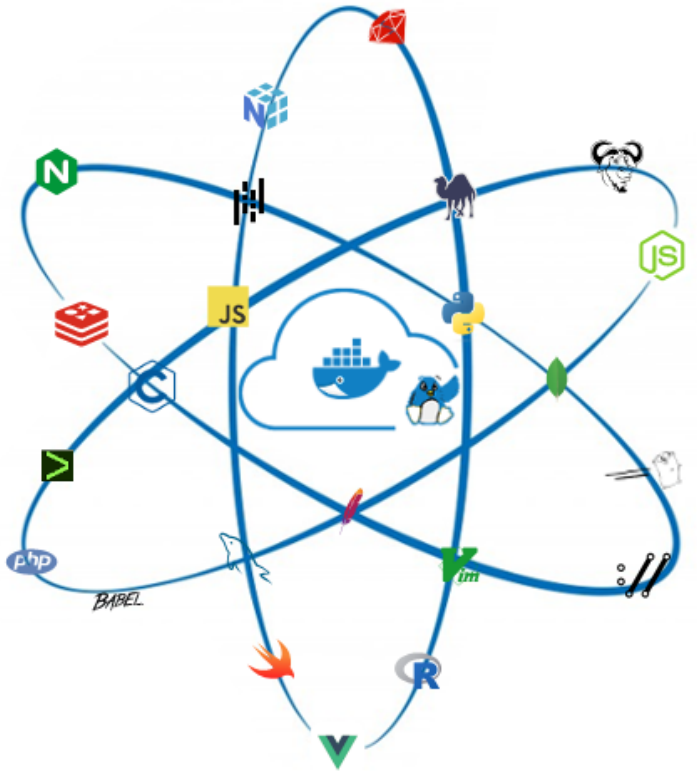


From → To

- ☑ monolithic → networking architecture
- ☑ static → Dynamic
- ☑ host based → Service based
- ☑ linear → agile

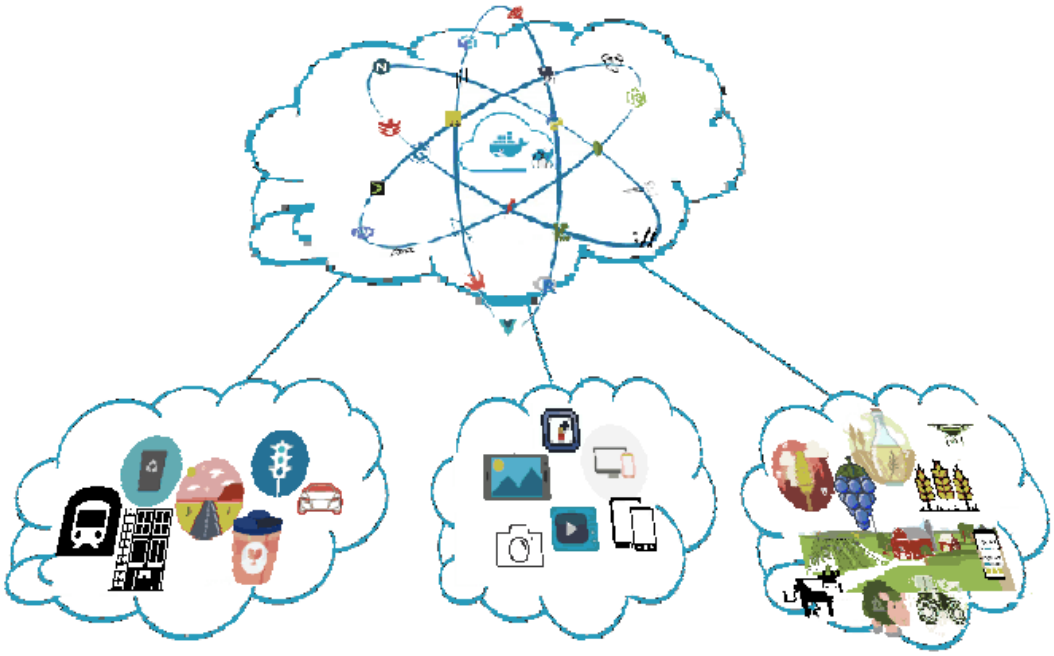
```
Code, coordinate and orchestrate a swarm of self-acting nodes.
```

2. Service based



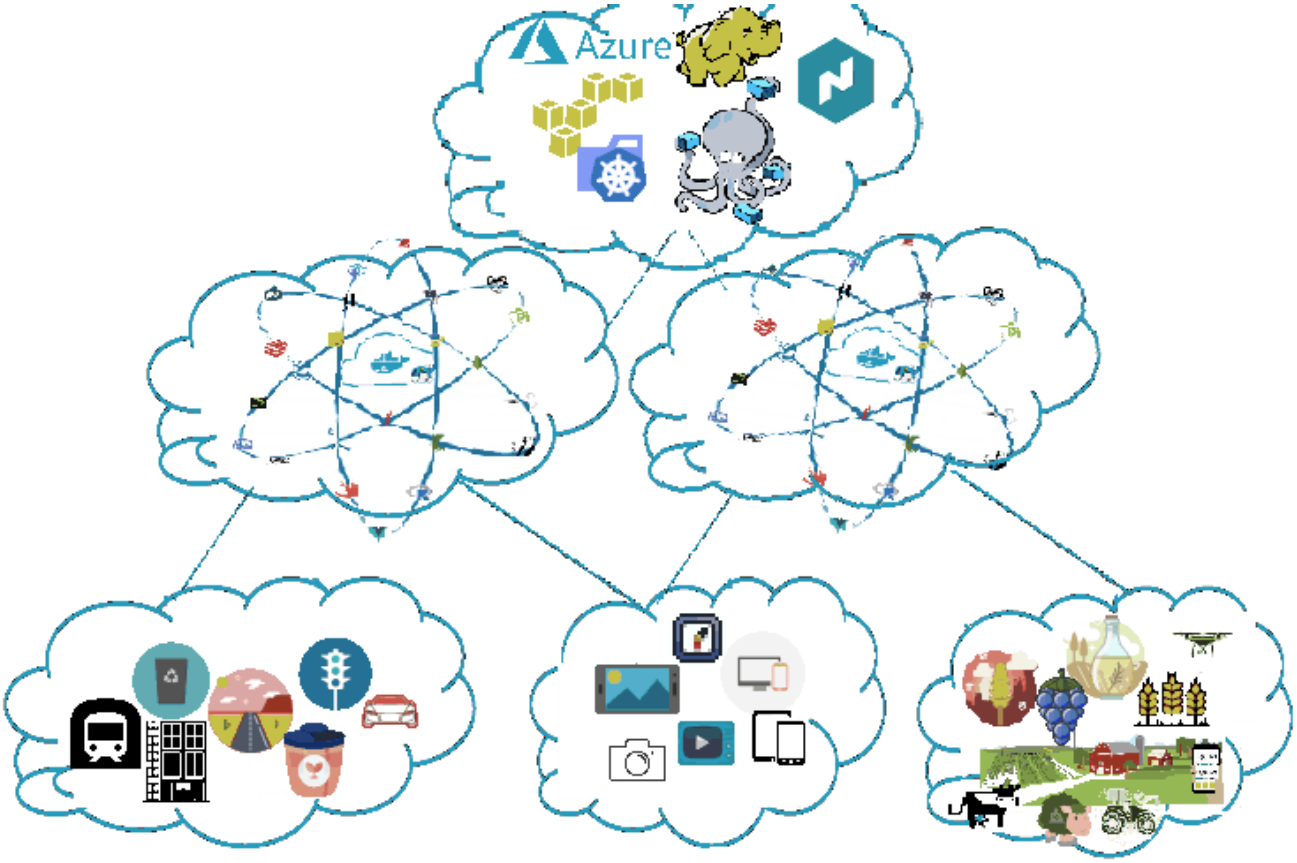
Build app's container image

- Build Docker images from a Dockerfile
- push/pull Docker images.
- build a Sample NodeJS application



From Code to Cloud

- Create cloud and platform agnostic container-based applications.
  - from a single container on your local machine
  - to a running cloud native - container-based environment
  - in the simplest and most logical format as possible.



Build systems

- Build services in a dynamic and Scalable Distributed Architecture
    - The distributed nature of a service mesh