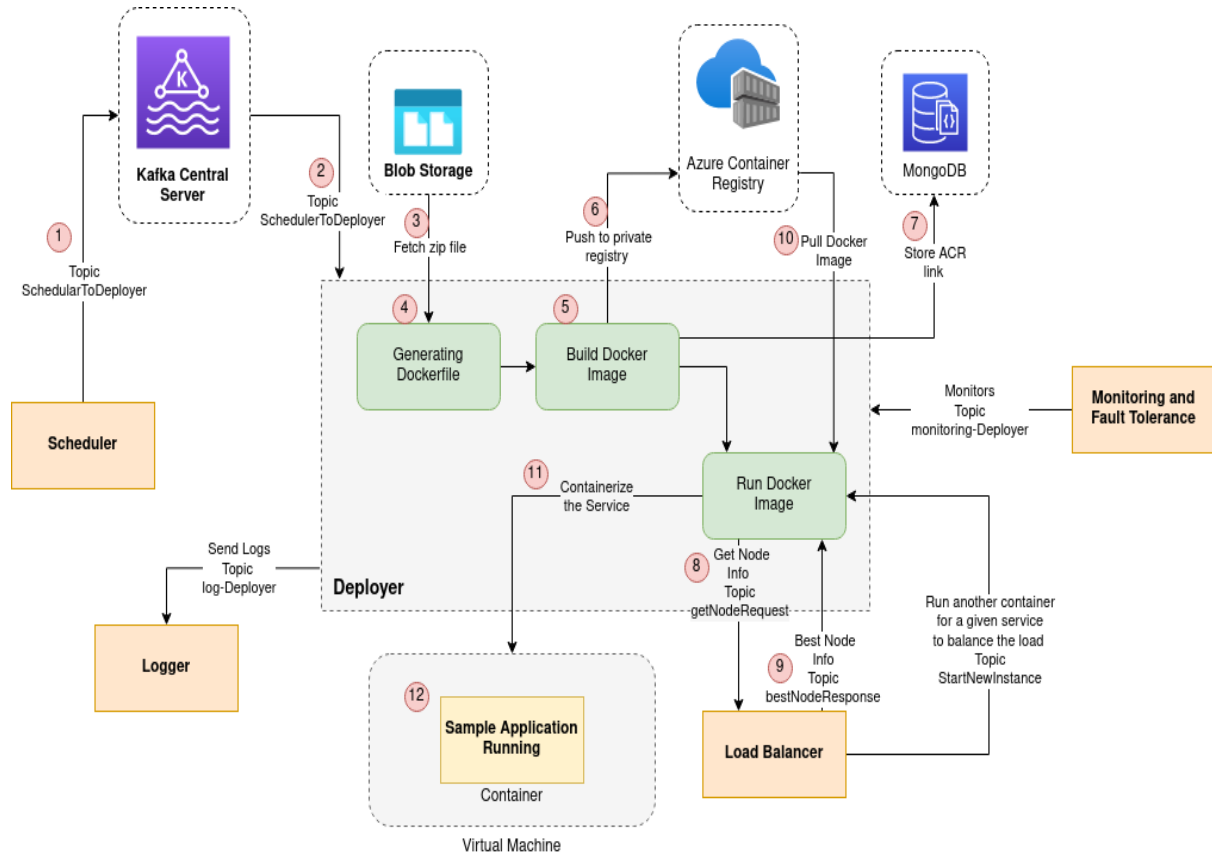# Team 1 : Deployer and Bootstrapper

Deployer

Bootstrapper

3 instances of
Kafka server

Kafka Central
Server

3 - Docker
Containers

Logger Service

Docker
Container

LDAP Server

Docker
Container

VM4

Node Manager

VM5

API Gateway

VM9

Sensor Manager

VM3

Load Balancer

VM6

Monitoring & Fault
Tolerance

VM2

Bootstrapper

1. Set up environment on VM
2. Containerize subsystem, Kafka Server

Scheduler

VM7

Initializes

Deployer

VM1

Pull images
of subsystem

Push docker
images of
subsystem

Fetching subsystem
code file

Validator &
Workflow Engine

VM8

Azure Container
Registry

Blob Storage