For each of the following software qualities, describe 2 to 5 examples that you know that will increase this particular quality.

 Performance

Implementing design patters in development software

Improve algorithms to increase work speed

 Scalability

Work with new technologies like Microservices (divide the project in small components) and publish them in services like AWS or Kubernates

Stateless Systems

 Availability

Load balancing, services like Docker and Kubernates implement LB by default

In microservices, work with technologies like hystrix, this implements circuit breaker pattern

 Maintainability

Work with Test Drive development

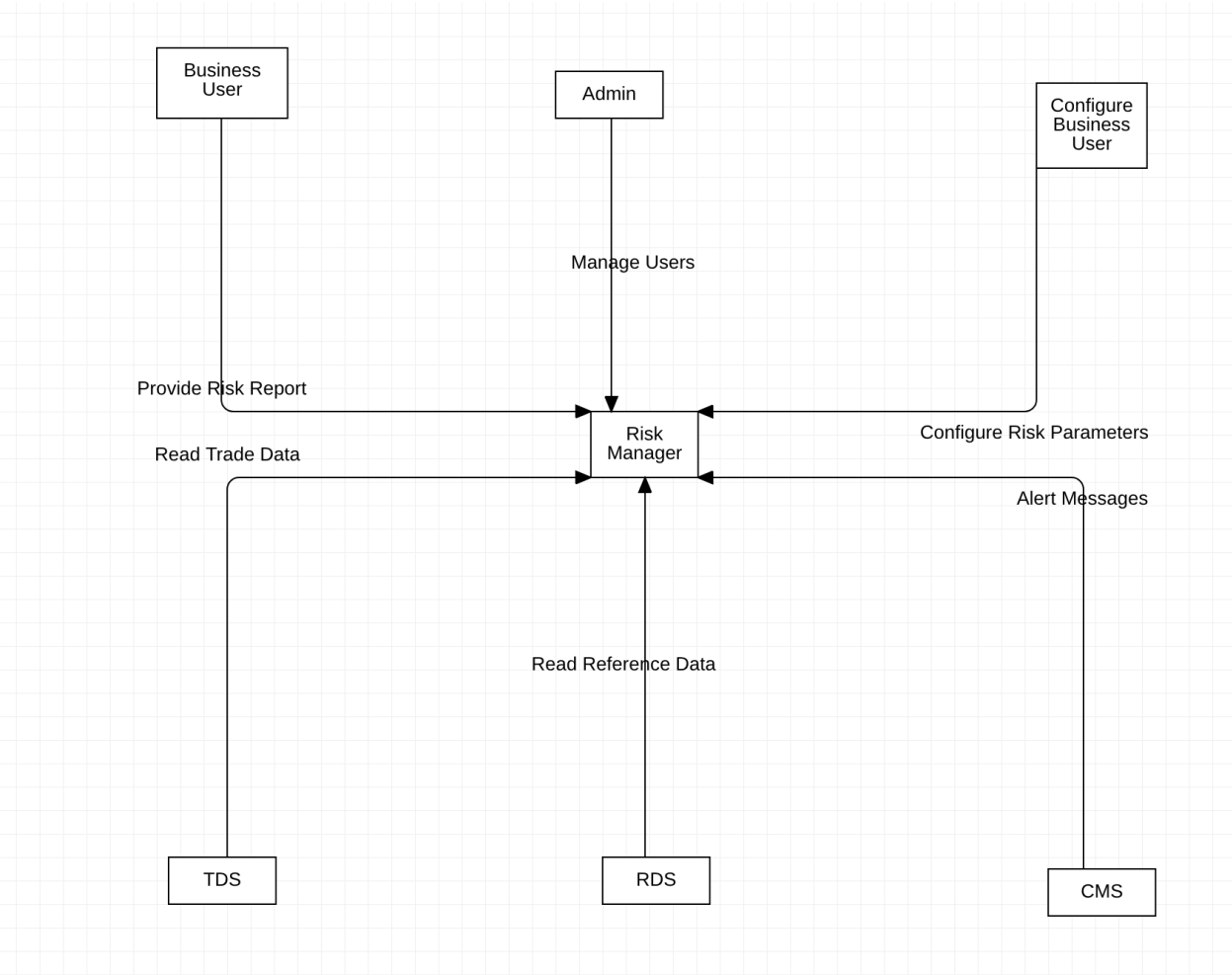
Work with technology like Jenkings

 Reliability

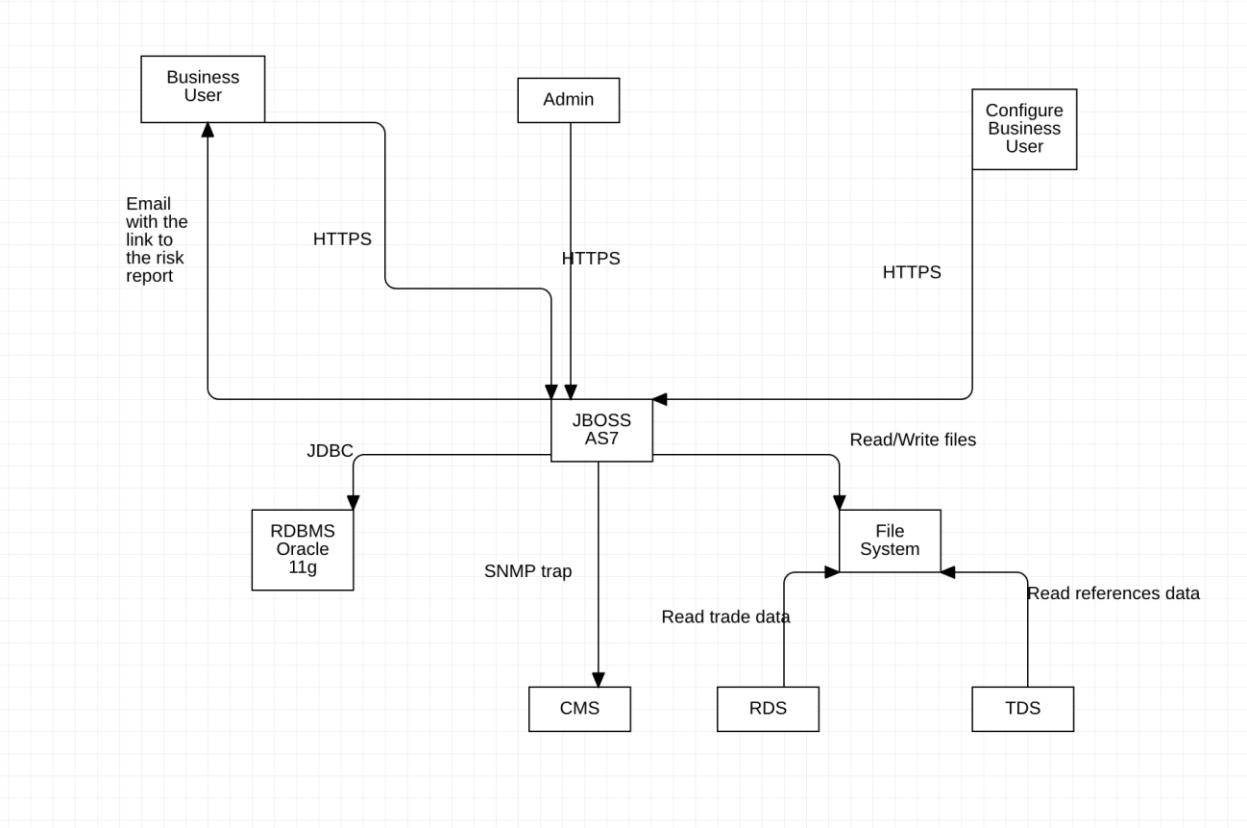
Microservices work with actuator.

Failover

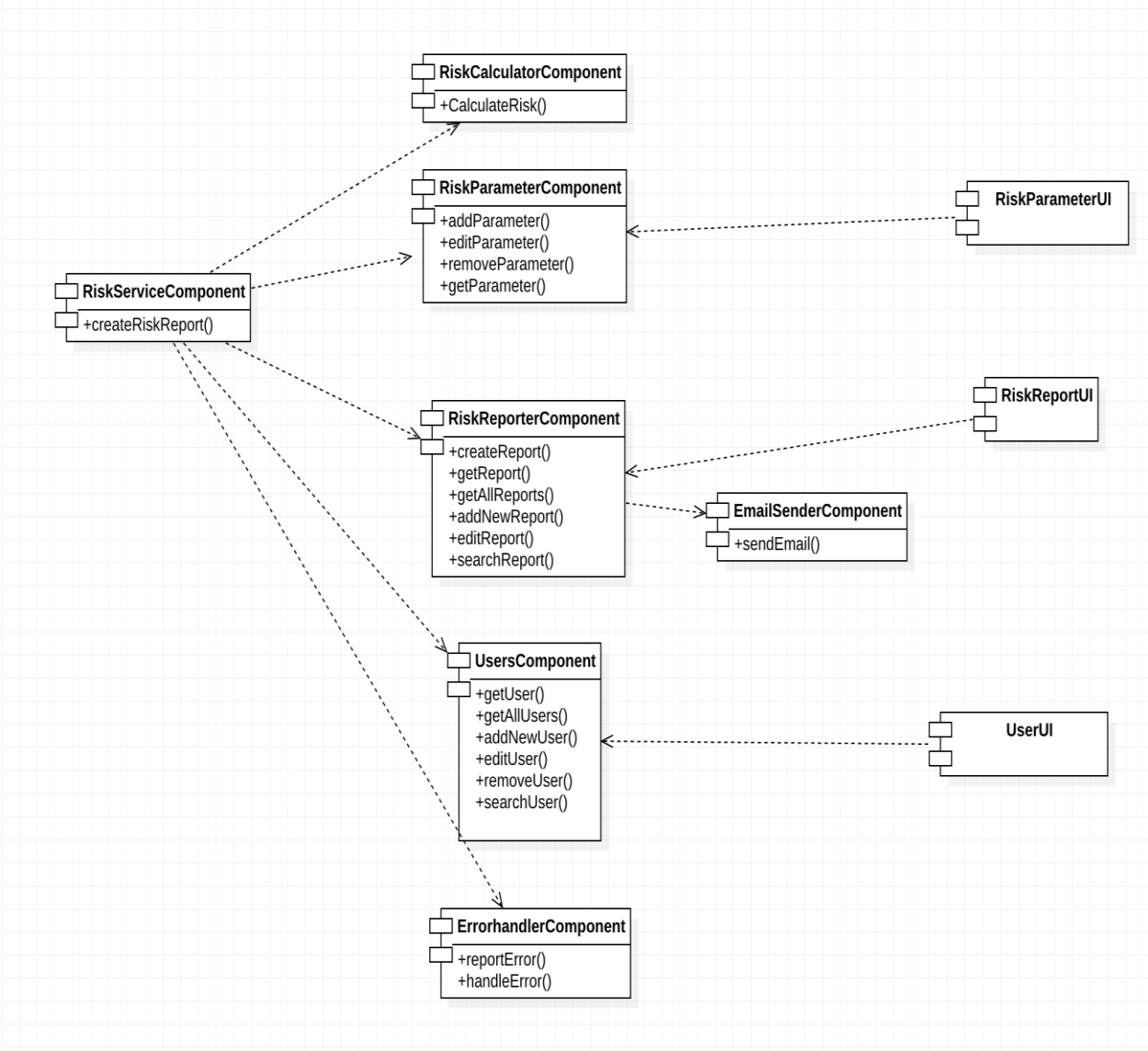
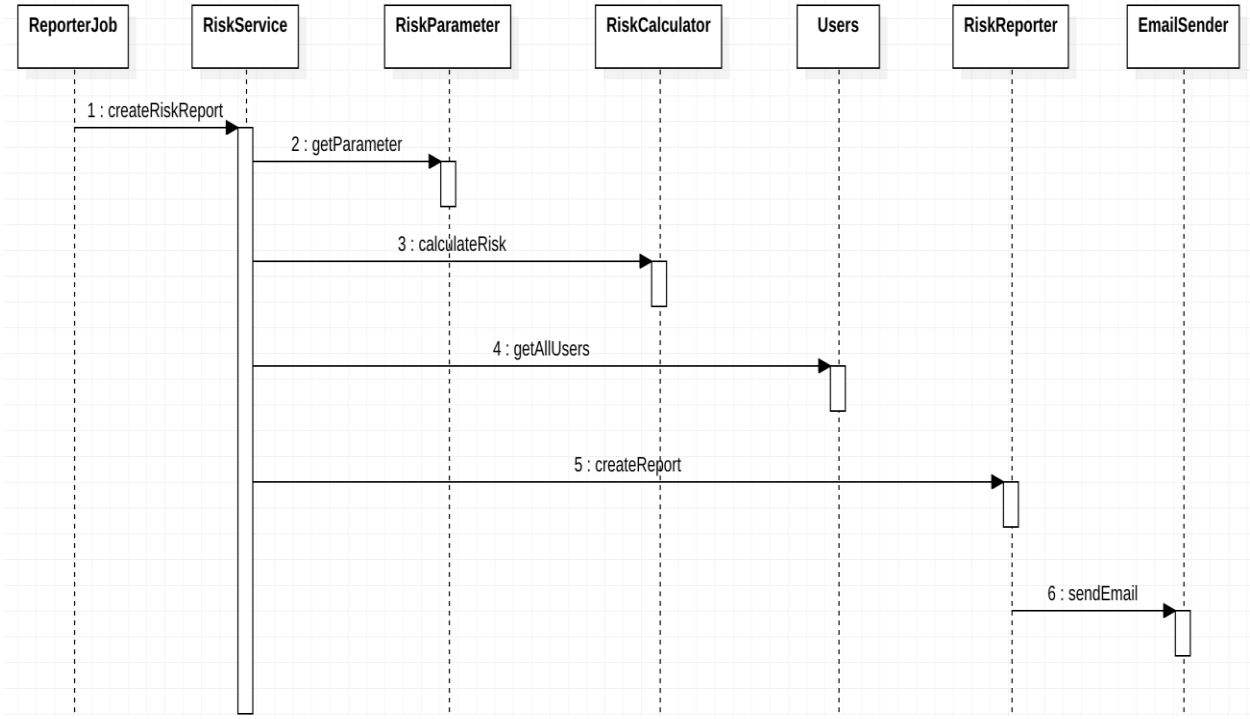
Context Diagram



Container Diagram



Component Diagram



Sequence Diagram