

Part 3

A problem with a registry is that it is a single point of failure. Describe how you would solve this single point of failure problem?

Due to the critical role the Service Registry serves in the application, it needs to be highly available. Every service invocation must first query the service registry to find an active endpoint. If the registry fails, the application fails. To avoid this situation, it is a common practice to deploy multiple instances of the service registry fronted with a load balancer. This redundancy allows a single instance of the Service Registry to crash without affecting overall service registry and query functions.