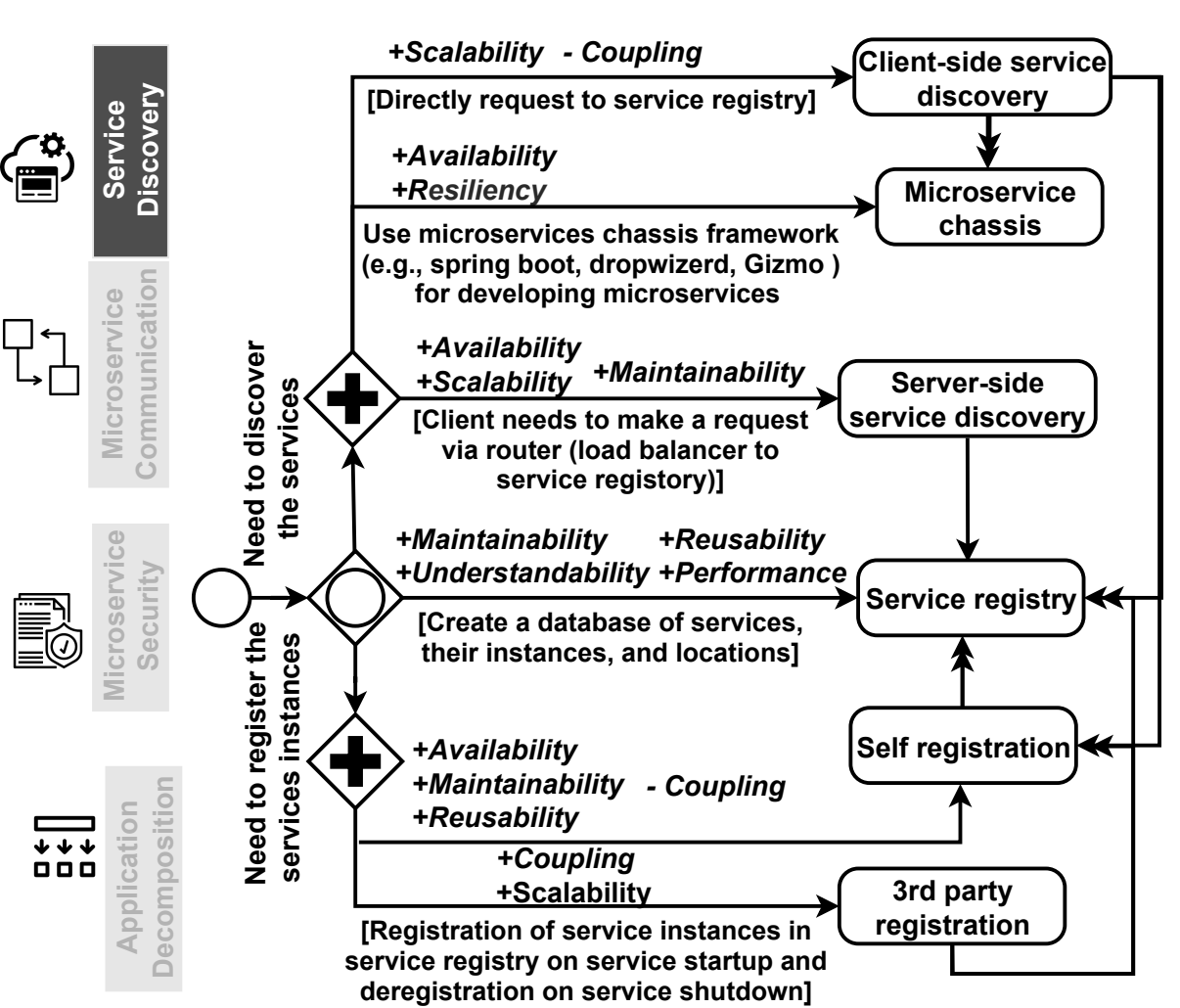
Service Discovery
Microservice Communication
Microservice Security
Application Decomposition
+Scalability - Coupling
[Directly request to service registry]
Client-side service discovery
+Availability
+Resiliency
Microservice chassis
Use microservices chassis framework (e.g., spring boot, dropwizerd, Gizmo) for developing microservices
Need to discover the services
+Availability
+Scalability
+Maintainability
Server-side service discovery
[Client needs to make a request via router (load balancer to service registory)]
+Maintainability
+Understandability
+Reusability
+Performance
Service registry
[Create a database of services, their instances, and locations]
Need to register the services instances
+Availability
+Maintainability
+Reusability
- Coupling
Self registration
+Coupling
+Scalability
3rd party registration
[Registration of service instances in service registry on service startup and deregistration on service shutdown]