**SPRING Modules**

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* @configuration
* @Controller
* Acutators/ Histrix/ Turbine etc…  
  Q. How to count number of incoming request in a microservices

Ans : 1) use singleton class share same object and increment counter for every incoming request.

* @qualifier
* @autoenable configuration
* Autowiring & **how to avoid autowiring conflicts?**
* Spring Boot --@Component
* Spring boot depenecy management
* Spring Annotaions
* **How @component works internally?**
* Wat features of **spring data** you have used?
* **Can I change the annotations of service repository in component?**
* **Spring Cloud Config.- (Netflix OSS, Eureka & Zuul Gateway)**

**REST API**

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* **Best practices you follow while using Rest**
* Get,Put,Post,Delete method
* **Versioning? Why & When do we use?**
* **Pagination? Why & When do we use?**
* **Hateos?**
* How do you handle Exceptions in rest?
* **Idempotent VS non idempotent methods In rest?**
* **Diff b/w Put & Patch?**
* **Resource Grouping?**
* **Code Generation & Mocking?**
* **Write API with Contract 1st Approach with Open API Spec. (Swagger)**
* **Coarse vs Fine Grain API**

**Application Security**

API Security Basic Auth, Client Credential, JWT usage, JJWT lib  
Authcode Flow, Open IDC, IAM integration, key cloak

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* \*Is ware of basic Authentication and API key verification  
  \* Has consumed **JWT token and is aware of token validation**  
  \*Auth2.0 using client ID and client secret at minimum   
  \***Aware of OAUTH grant types(Client credential, password, implicit, Authcode)**

**Micro Services**

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**Orchestration, Choreogrpahy, SAGA Pattern with Usecase**

* \*Understanding of Orchestration & choreography scenarios through user Journey
* \*Command Pattern & Eventual Consistency
* Difference between orchestration & Choreography

**Bounded Context, Domain model, Transactions** **with Usecase**

Bounded context,Services decomposition, distributed service commn

**CQRS and Event sourcing** **with Usecase**

Caching in MS, CQRS in API strategy and DB strategy,

**API Gateway**

API Gateway policy Implemenmtation security , traffic, Devportal

1. What is your exp in MS?
2. Explain MS Architecture? Pros & cons of MS?
3. **Challenges while migrating from Monolithic to MS?**
4. Wat all key factors you consider wen u design rest API for a given application?
5. Ntelix OSS stack (Erureka, Zuul)
6. Wat is service discovery? Wat are client Side & server side discovery?
7. Any experience in Security?
8. **Can u brief wat is SAGA pattern? Why do we use SAGA?**
9. **Wat are orchestrator & choreographer patterns in SAGA?**
10. **Wat is API composer, circuit breaker, Service discovery, Service registry, API gateway pattern?**
11. **Any exp with Event driven or domain driven?**
12. Wat are the different things you do to minimize the risk while migrating from monolithic to **MS?**
13. **How you actually take care of multiple transactions?**
14. **Which interface you have used for Inter communication of MS ? like rest template or Finclinet?**
15. **While creating rest what are the problems you encounter While connecting with MS?**
16. **Wat is chain of responsibility pattern in MS?**
17. Wat kind of output we get in rest? Like XML, HTML etc…
18. XML & HTML are same or different? If yes, then How?
19. Wat are the components in HTTP requests?
20. How will you breakup response?
21. Wat are the components of Rest response?
22. Wat is the URI. URL format u create in rest API? What is the standard recommended practice?
23. Wat is Pagination? When & how does it work?
24. Wat is Versioning? When & how does it work?
25. Wat interface u use for Inter-communication of MS? Like rest template & fin client
26. Any caching exp? Which cache? Wen & wer to use cache?
27. Key thing su keep in mind whether the data to be cached or not?
28. API security? Wat do you understand?
29. How will you secure you API’s?
30. How will you implement SSO/ OAuth2.0 ?
31. Wen & wer to SSO (Single Sign on)?
32. How will you identify whether use has SSO access or not?
33. Any cloud exp? Which cloud?
34. 1 or 2 cloud based questions?
35. Have you been involved in production Deployment? If yes then wen and wat is the checklist u follow?
36. Wat are you roles & responsibilities during your implementation.
37. If you have 1000 requests, wat approach you will take to resposnd to all 1000?
38. Deff b/w put & patch? Use case wer u will use put & Patch?
39. How u integrate swagger with you Rest API?
40. Di you use any services of cloud so far?
41. How r u validating logs through AWS?

**Interview Ask Questions**

Deff b/w put & patch? Use case wer u will use put & Patch?

If you have 1000 requests, wat approach you will take to resposnd to all 1000?

1. Have you been involved in production Deployment? If yes then wen and wat is the checklist u follow?
2. How will you secure you API’s?
3. Any cloud exp? Which cloud?

What is jwt , oauth , sso

1. What is single sign on
2. Any caching exp? Which cache? Wen & wer to use cache?
3. Wat interface u use for Inter-communication of MS? Like rest template & fin client
4. Wat are the components in HTTP requests?
5. How will you breakup response?
6. Wat are the components of Rest response?
7. Wat is the URI. URL format u create in rest API? What is the standard recommended practice?
8. Wat is Pagination? When & how does it work?
9. Wat is Versioning? When & how does it work?
10. Wht is diff b/w container and pod
11. Oauth2.0