Please find the list of questions assigneted to your ID at the end of this document.

1 : What problem was OpenID made to solve?

    1. Falsified access tokens
    2. Oauth service flow breakdowns
    3. Sites incorrectly using Oauth2.0 for authorization
    4. Sites incorrectly using Oauth2.0 for authentication

Correct Answer: 4

2 : Which if the following is NOT a way Apache Kafka handles scalability?

    1. Brokers are tied to one (1) specific topic
    2. Each broker has its own local storage
    3. Zookeeper manages distributed consensus
    4. Append-only logs allow new consumers to read logged data

Correct Answer: 1

3 : Redis stands for:

    1. Remote Dictionary Service
    2. Remote Dictionary Server
    3. Remote Database Server
    4. Redistributed Database Server

Correct Answer: 2

4 : JSON Web Tokens are used for:

    1. Allowing stateless authentication
    2. Storing a user's authorization claims
    3. Allowing Single Sign-on (SSO)
    4. All of the above

Correct Answer: 4

5 : Which problem(s) does CQRS+ES solve?

    1. Poor scalability of synchronous messaging
    2. Applications receiving many more reads than writes
    3. Changelog history
    4. All of the above

Correct Answer: 4

6 : Apache Cassandra uses which kind of data model?

    1. Key-Value
    2. Graph
    3. Column
    4. Document

Correct Answer: 2

7 : What does Vault NOT utilize?

    1. Audit trail
    2. Shamir's Secret Sharing
    3. Lease and revoke access
    4. Three factor authentication

Correct Answer: 4

8 : What do SAML stand for

    1. Service Assertion markup language
    2. Software Assertion Markup Language
    3. Security Allocated Markup Language
    4. Security Assertion Markup Language

Correct Answer: 4

9 : What is NOT Securing Microservices ?

    1. User name/password
    2. Cassandra
    3. API Keys
    4. SAML

Correct Answer: 2

10 : What are the advantages of JWT?

    1. Good Performance
    2. Shorter Lifespan
    3. Data Overhead
    4. Compromised Secret Key

Correct Answer: 1

11 : What is NOT Vault offers

    1. Secure secret storage
    2. Load balancing
    3. Audit trail
    4. Dynamic secrets

Correct Answer: 2

12 : What is Apache Kafka

    1. Routing
    2. Api gateway
    3. Security
    4. Event streaming platform

Correct Answer: 4

13 : What is responsible for Brokers in Kafka?

    1. Replication od message data

2. Maintaining published data
3. Manage the persistence and
4. Coordinating tasks

Correct Answer: 2

14 : What kind od database is Cassandra

1. Key-Value
2. Graph
3. Column
4. Document

Correct Answer: 3

15 : What is one of the roles of the ZooKeeper

1. To store offsets of messages consumed for a specific topic and partition by a specific Consumer Group
2. to keep track of servers
3. to keep track of apis
4. all of above

Correct Answer: 1

16 : what the four main components of Kafka are

1. leader, follower, partitions, resfulAPI
2. topic, producer, broker, consumer
3. broker, leader, follower, cloud
4. none of above

Correct Answer: 2

17 : What is a Consumer Group

1. Its' a concept in Kafka in which a group consists of one or more consumers that jointly consume a set of subscribed topic
2. It's group of APIs for consuming service thru only one cluster
3. It's a group of ACL policies which define who can produce messages only
4. all of above

Correct Answer: 1

18 : Main benefits of Apache Cassandra

1. Scalability, High Availability
2. High Fault Tolerance, High Performance
3. Multi-Data Center and Hybrid Cloud Support
4. all of above

Correct Answer: 4

19 : What are the main components of Oauth

1. Resource Owner(User), Client Application, Authorization Server, Resource Server
2. Delegation server, Application, JWT, Authorization server

3. JWT, Resource Owner, Authorization Server, Authentication Server
4. none of above

Correct Answer: 1

20 : What is OAuth 2

1. It's an authentication server
2. It's a delegation server
3. OAuth (Open Authorization) is an open standard for access delegation in a simple way to publish and interact with protected data.
4. none of above

Correct Answer: 3

21 : What Vault offers

1. Secure secret storage, Audit trail, Dynamic secrets, Lease and revoke access
2. JWT Token, Manifests, and secrets
3. Secure server and authorization server with tokens
4. all of above

Correct Answer: 1

22 : An open source software which provides a framework for storing reading and analyzing streaming data is called?

1. Kafka
2. docker
3. kubernetes
4. consul

Correct Answer: 1

23 : MongoDB falls between which categories in the CAP theorem

1. Availability and Consistency
2. Availability and Partition tolerance
3. Consistency and Partition tolerance
4. All of the above

Correct Answer: 3

24 : What is the process of horizontal partition of data?

1. Partitioning
2. Division of data
3. Sharding
4. Separating of data

Correct Answer: 3

25 : OpenID & OAuth2 are widely used but companies misuse the OAuth2 when its used for?

1. Authorization
2. Authentication
3. Login

4. None of the above

Correct Answer: 2

26 : What is Zookeeper?

1. it is a container orchestration software
2. an animal attendant employed in a zoo.
3. is a centralized service for maintaining configuration information, naming,providing distributed synchronization, and providing group services.
4. none of the above

Correct Answer: 3

27 : What makes graph databases unique?

1. They treat relationships between nodes as data
2. It's easier to add data to a graph database than any other database
3. Graph databases are the easiest to query
4. it added node inside a table structure

Correct Answer: 1

28 : While implementing the security of our microservice we do the following

1. We store the secrets in the microservice code
2. We store the secrets in a common file
3. We store the secrets i the machine where our services are deployed so that the access is much easier
4. None of the above

Correct Answer: 4

29 : Which of the following is not a component of a JWT token?

1. Header
2. Footer
3. Payload
4. Signature

Correct Answer: 2

30 : Which of the following databases is document based?

1. PosgreSQL
2. Cassandra
3. MongoDB
4. DynamoDB

Correct Answer: 3

31 : Which of the following is not one of the Kafka APIs

1. The Admin API
2. The Producer API
3. The Consumer API
4. The User Effect API

Correct Answer: 4

32 : Which Database is better for handling data in small volumes

    1. Relational Database
    2. Cassandra
    3. MongoDB
    4. None of the above

Correct Answer: 1

33 : What is availability?

    1. How much your database can scale
    2. It is a measure of the proportion of time the system is up and running
    3. The time the system is up but not running
    4. How scalable is the system

Correct Answer: 2

34 : Which of the following is a key value store?

    1. MySQL
    2. MongoDB
    3. Cassandra
    4. PostgreSQL

Correct Answer: 3

35 : Which of the following are key features of a vault?

    1. Dynamic Secrets
    2. Secure Secret Storage
    3. Data Encryption
    4. All of the above

Correct Answer: 4

36 : Raft is implemented by

    1. Zookeeper
    2. Consul
    3. Chubby
    4. All of the above

Correct Answer: 4

37 : All the following are components of JWT token except

    1. Header
    2. Payload
    3. Signature
    4. Footer

Correct Answer: 4

38 : When we want wide column data which of the following database is most preferable?

1. MongoDB
2. RDBMS
3. Neo4j
4. Cassandra

Correct Answer: 4

39 : Which of the following is an API style?

1. RPC
2. REST
3. GraphQL
4. All of the above

Correct Answer: 4

40 : Which of the following is a Document Based Storage?

1. MongoDB
2. Hbase
3. Amazone DynamoDB
4. Cassandra

Correct Answer: 1

41 : Key features of vault?

1. Dynamic secrets
2. Secure secret storage
3. Data encruption
4. All of the above

Correct Answer: 4

42 : How can we secure microservices?

1. Opaque API keys
2. JWT
3. OAuth
4. All of the above

Correct Answer: 4

43 : Which one of the following belongs to key-value database?

1. Redis
2. Riak
3. mongoDB
4. Cassandra

Correct Answer: 1

44 : Which attributes should be followed for secrect management?

1. Encryption @Rest & In Transit
2. Audit Trail
3. Lease and Revoke Access

4. All of the above

Correct Answer: 4

45 : OpenID is used for authentication while OAuth is used for authorization

　　1. FALSE
　　2. TRUE
　　3. None of the Above
　　4. Not True

Correct Answer: 2

46 : How many brokers will be marked as leaders for a partition?

　　1. 0
　　2. 5
　　3. 1
　　4. All running brokers

Correct Answer: 3

47 : An organization needs to protect sensitive application data currently stored in a database as plaintext. Which secrets engine provides a solution?

　　1. Key/Value v2 secrets engine
　　2. Cubbyhole secrets engine
　　3. Transit secrets engine
　　4. Database secrets engine

Correct Answer: 3

48 : Which Cassandra consistency level means a majority of the replicas in each datacenter must respond?

　　1. Quoram
　　2. Most
　　3. Any
　　4. Each Quoram

Correct Answer: 1

49 : What are the 3 parts of JWT?

　　1. Header
　　2. Payload
　　3. Signature
　　4. All of the above

Correct Answer: 4

50 : Which of the following is not a part of Cassandra architecture?

　　1. Column
　　2. Commit log
　　3. MemTable
　　4. Bloom Filter

Correct Answer: 1

51 : MongoDB falls between which categories in the CAP theorem

1. Availability and Constitency
2. Availability and Partition tolerance
3. Constitency and Partition tolerance
4. All of the above

Correct Answer: 3

52 : OAuth is an _____

1. Authorization standard
2. Authentication extension
3. OS
4. All the above

Correct Answer: 1

53 : Which of the following is not one of the Kafka APIs?

1. Streams API
2. Connect API
3. User API
4. Consumer API

Correct Answer: 3

54 : Which one of the following belongs to key-value database?

1. Redis
2. Riak
3. MongoDB
4. Cassandra

Correct Answer: 1

55 : Which of the following is Document Based Storage?

1. MongoDB
2. HBase
3. Cassandra
4. All of the above

Correct Answer: 1

56 : When we want to send data to Kafka Topic

1. Consumer
2. Topic
3. Producer
4. None of the above

Correct Answer: 3

57 : Which database is best suitable for handling data in small volumes.

1. Relational database
2. NoSQL database
3. Both a and b
4. None of these

Correct Answer: 1

58 : Which of the following is not a part of Cassandra architecture?

1. Column
2. Commit log
3. MemTable
4. Bloom Filter

Correct Answer: 1

59 : Which of the following is Document Based Storage?

1. MongoDB
2. HBase
3. Cassandra
4. All of the above

Correct Answer: 1

60 : JWT stands for

1. JavaScript Web Token
2. Json Web Token
3. JAVA Token
4. None

Correct Answer: 2

61 : Kafka maintains feeds of messages in categories called

1. Topics
2. Chunks
3. Domains
4. Messages

Correct Answer: 1

62 : Kafka maintains feeds of messages in categories called

1. Document based
2. Column based
3. Key-Value based
4. Graph based

Correct Answer: 1

63 : What are the 3 parts of JWT?

1. Header
2. Payload
3. Signature

4. All of the above

Correct Answer: 4

64 : Key features of vault?

1. Dynamic Secretes
2. Secure Secret Storage
3. Data Encryption
4. all

Correct Answer: 4

65 : What does replication of data ensure?

1. Realibility
2. Fault Tolerance
3. Both
4. None of the above

Correct Answer: 3

66 : Which of the following is not a valid HTTP request in REST API?

1. POST
2. PUT
3. CREATE
4. DELETE

Correct Answer: 3

67 : What is true about Cassandra?

1. A massively scalable open source NoSQL database
2. Distributed across multiple data centers with no single point of failure
3. Low latency queries
4. All of the above

Correct Answer: 4

68 : Kafka maintains feeds of messages in categories called

1. Topics
2. Chunks
3. Domains
4. Messages

Correct Answer: 1

69 : Oauth is an

1. authorization standard
2. authentication extension
3. All of the above
4. None of the above

Correct Answer: 1

70 : OpenID is an

    1. autorization standard
    2. autentication extension
    3. All of the above
    4. None of the above

Correct Answer: 2

71 : Which of the following is document-oriented NoSQL database ?

    1. MongoDB
    2. MySQL
    3. Oracle
    4. Cassandra

Correct Answer: 1

72 : Which of the following is Key-Value database store ?

    1. Redis
    2. ElasticSearch
    3. PostgreSQL
    4. MySQL

Correct Answer: 1

73 : What does vault offer ?

    1. Secure Storage
    2. Transparency
    3. Discovery
    4. Logging

Correct Answer: 1

74 : What is OAuth2.0 ?

    1. Open authorization protocol
    2. Http Evolution
    3. Real Time Messaging
    4. Cybersecurity2.0

Correct Answer: 1

75 : Which command can we use to see k8s pods ?

    1. kubectl get pods
    2. kubectl get images
    3. kubectl get svc
    4. kubectl containers

Correct Answer: 1

76 : What concepts does Kafka includes ?

    1. Topic

2. Producer
3. Consumer
4. All of the above

Correct Answer: 4

77 : Which of the following is OAuth2.0 grant type ?

1. Authorization Code
2. PKCE
3. Client Credentials
4. All of the above

Correct Answer: 4

78 : Out of this list, which one is not an API style?

1. Rest
2. GraphQL
3. RPC
4. HQL

Correct Answer: 4

79 : Which one of the following is true for Value Object?

1. If two value objects have the same set of values for their properties, they are equal
2. Immutable
3. No Identity
4. All the above

Correct Answer: 4

80 : What is OAuth?

1. Authorization standard
2. micro-services
3. Cognitive complexity
4. security

Correct Answer: 1

81 : Out of this list, what is the main requirement for Cassandra?

1. Python
2. RAM
3. Java
4. All the above

Correct Answer: 3

82 : MongoDb is

1. column based
2. document based
3. Graph based
4. Key value based

Correct Answer: 2

83 : What does Replication do?

   1. fault tolerance
   2. reliability
   3. loose coupling
   4. One and Two

Correct Answer: 4

84 : Which one of the following is part of JWT?

   1. Payload
   2. Header
   3. Signature
   4. All the above

Correct Answer: 4

85 : Envoy is a network proxy operating at _____ of the OSI modal.

   1. Network Layer
   2. Transport Layer
   3. All of the above
   4. None of the above

Correct Answer: 3

86 : Istio use _____ for service to service communication secuirity.

   1. JWT
   2. TLS
   3. All of the above
   4. None of the above

Correct Answer: 2

87 : Apache Kafka is used for?

   1. Routing
   2. Event streaming
   3. API gateway
   4. Security

Correct Answer: 2

88 : Which is not a components/terminology used in kafka.

   1. Vault
   2. Topic
   3. Broker
   4. Consumer

Correct Answer: 1

89 : Consule implements _____ design patterns in it's architecture.

1. Facade Pattern
2. Sidecar Pattern
3. Adapter Pattern
4. All of the above

Correct Answer: 4

90 : Limitation of client-server authentication model.

1. Third-party applications are required to store the resource owner's credentials.
2. Third-party applications gain overly broad access to the resourceowner's protected resources.
3. Compromise of any third-party application results in compromise of the end-user's password and all of the data protected by that password.
4. All of the above

Correct Answer: 4

91 : What are the role's define by oauth?

1. Resource Server
2. Authorization Server
3. Resource Owner
4. All of the above

Correct Answer: 4

92 : Which of the following is not a valid HTTP request in REST API?

1. POST
2. PUT
3. CREATE
4. DELETE

Correct Answer: 3

93 : What are the 3 parts of JWT?

1. Header
2. Payload
3. Signature
4. All of the above

Correct Answer: 4

94 : The database that is most preferrable for wide columns is:

1. dbms
2. mongodb
3. cassandra
4. hive

Correct Answer: 3

95 : Which of the following is a tool that makes it easy to run Kubernetes locally?

1. Docker
2. Minkube

3. Kubectl
4. Kubelet

Correct Answer: 2

96 : Which are the elements of Kafka?

1. Topic
2. Producer
3. Consmer
4. All of above

Correct Answer: 4

97 : We Can Secure Microservices By

1. Opaque API keys
2. JWT
3. OAuth
4. All of above

Correct Answer: 4

98 : Below are the major components of kafka, which one is not?

1. Topic
2. Broker
3. Consumer
4. Header

Correct Answer: 4

99 : Which of the following is true about Apache Cassandra?

1. Apache Cassandra is a free and open-source
2. Apache Cassandra is a distributed
3. Apache Cassandra has wide column store
4. All of the above

Correct Answer: 4

100 : Which could be true about Cassandra?

1. A massively scalable open source NoSQL database
2. Distributed across multiple data centers with no single point of failure
3. Low latency queries
4. All of the above

Correct Answer: 4

101 : Which are the elements of Kafka?

1. Topic
2. Producer
3. Consumer
4. All of the above

Correct Answer: 4

102 : Which of the following is a tool for messaging

1. Kafka
2. RabbitMQ (Rabbit Message Queuing)
3. ActiveMQ (Active Message Queuing)
4. All of the above

Correct Answer: 4

103 : Which is true about Producers and Consumers in Kafka ?

1. Producers and Consumers are decoupled
2. Failure of Consumer does not affect System
3. Slow Consumers do not affect Producers
4. All of the above

Correct Answer: 4

104 : What does vault offer?

1. Secure secret storage
2. Audit trail
3. Dynamic secrets
4. All of the above

Correct Answer: 4

105 : What are the advantages of using vault?

1. Vault can encrypt and decrypt data without storing it
2. Vault can generate secrets on-demand
3. Vault has built-in support for secret revocation
4. All of the above

Correct Answer: 4

106 : Kafka is currently licensed under _ _ _.

1. MIT License.
2. General Public License v3.0.
3. Mozilla Kafka 7.1.
4. Apache License 2.0.

Correct Answer: 4

107 : Which one of these is not the most known feature of Cassandra?

1. Consistency.
2. Partition tolerance.
3. Availability.
4. NoSQL.

Correct Answer: 1

108 : Choose the correct information about using Cassandra.

1. Cassandra is a great choice for your system if you are looking for a database with both consistency and availability.
2. Cassandra is an open source SQL distributed database.
3. Cassandra database design is the same as Firebase realtime database: NoSQL.
4. The requirement of using Cassandra is $149 per 10 columns.

Correct Answer: 3

109 : Which one of the following choices does not relate to cryptography concept?

1. SHA512.
2. Encipher.
3. Arch.
4. Hashing.

Correct Answer: 3

110 : Find the myth about system security.

1. Hashing is very important for protecting your system data.
2. Generally, your system is always safe and is not hackable.
3. Single point of failure is a dangerous approach for your system.
4. Maintaining your system security requires actual field experts, not just developers.

Correct Answer: 2

111 : What does JWT consist of?

1. Header, footer, password.
2. User, password, token.
3. Token, cookie, cache.
4. Header, payload, signature.

Correct Answer: 4

112 : What do SAML and Oauth have in common?

1. SQL database.
2. Single sign-on.
3. Containers.
4. Google cloud functions.

Correct Answer: 2

113 : Which algorithm was discussed in class related to service discovery?

1. Keep Alive Algorithm
2. Raft Algorithm
3. Kruskal's Algorithm
4. Discovery Channel Algorithm

Correct Answer: 2

114 : Which one is distributed tracing tool?

1. Zipkin
2. ZUUL

3. Consul
4. Zookeeper

Correct Answer: 1

115 : A technology that can connect to systems to capture streams of data store those streams process them as data arrives and transform them into new streams is called?

1. Kubernetes
2. Docker
3. Kafka
4. None of the above

Correct Answer: 3

116 : Apache Cassandra is a massively scalable open source _____ database

1. SQL
2. NoSQL
3. NewSQL
4. PlSQL

Correct Answer: 2

117 : In Kubernetes, what is running on each node and ensures containers are running in a pod

1. Kubelet
2. Etcd
3. Pod
4. Scheduler

Correct Answer: 1

118 : When we want wide column data which of the following database is most preferable?

1. MongoDB
2. RDBMS
3. Neo4j
4. Cassandra

Correct Answer: 4

119 : Kafka maintains feeds of messages in categories called

1. Chunks
2. Domains
3. Messages
4. Topics

Correct Answer: 4

120 : Key features of vault?

1. Dynamic secrets
2. Secure secret storage
3. Data encruption
4. All of the above

Correct Answer: 4

121 : When we want wide column data which of the following database is most preferable?

    1. MongoDB
    2. Cassandra
    3. RDBMS
    4. Neo4j

Correct Answer: 2

122 : How can we secure microservices?

    1. Oauth
    2. Opaque API keys
    3. JWT
    4. All of the above

Correct Answer: 4

123 : JWT consists of?

    1. Header
    2. Payload
    3. Signiture
    4. All of the above

Correct Answer: 4

124 : MongoDB is _____

    1. Document based
    2. Column based
    3. Key-Value based
    4. Graph based

Correct Answer: 1

125 : What is Apache Kafka?

    1. Routing
    2. API gateway
    3. Security
    4. Event streaming platform

Correct Answer: 4

126 : Apache Cassandra is a massively scalable open source

    1. SQL Database
    2. NoSQL Database
    3. None
    4. None

Correct Answer: 2

127 : How security can identify?

1. Authorization
2. Authentication
3. Above all
4. None

Correct Answer: 3

128 : Securing Monolith is ?

1. Easy
2. Difficult
3. Average
4. None of them

Correct Answer: 1

129 : What is Oauth?

1. OAuth allows websites and services to share assets among users. It is widely accepted, but be aware of its vulnerabilities.
2. User logg in
3. Above all
4. None of them

Correct Answer: 1

130 : What is Vault?

1. Vault is a platform to secure, store, and tightly control access to tokens, passwords, certificates, encryption keys for protecting sensitive data and other secrets in a dynamic infrastructure.
2. It allows websites and services to share assets among users. It is widely accepted, but be aware of its vulnerabilities.
3. Above all
4. None of them

Correct Answer: 1

131 : Kafka provides functions to the users?

1. Publish and subscribe to streams of records
2. Effectively store streams of records in the order in which records were generated
3. Process streams of records in real time
4. All of them

Correct Answer: 4

132 : What is kafka?

1. a distributed data store optimized for ingesting and processing streaming data in real-time. Streaming data is data that is continuously generated by thousands of data sources, which typically send the data records in simultaneously.
2. a platform to secure, store, and tightly control access to tokens, passwords, certificates, encryption keys for protecting sensitive data and other secrets in a dynamic infrastructure.
3. Above all
4. None of them

Correct Answer: 1

133 :

  1. What is Cassandra?
  2. an open source NoSQL distributed database
  3. MySQL
  4. NoSQL

Correct Answer: 1

134 : What is Availability

  1. It measures the proportion of time the system is up
  2. It measures the proportion of time the system is running
  3. It measures the proportion of time the system is up and running
  4. None of the mentioned

Correct Answer: 3

135 : What does replication of data ensure

  1. Realibility
  2. Fault Tolerance
  3. Security
  4. Both 1 and 2

Correct Answer: 4

136 : MongoDB falls between which categories in the CAP theorem

  1. Availability and Constitency
  2. Availability and Partition tolerance
  3. Constitency and Partition tolerance
  4. All of the above

Correct Answer: 3

137 : What is the process of horizontal partition of data

  1. Partitioning
  2. Division of data
  3. Sharding
  4. Separating of data

Correct Answer: 3

138 : OpenID & OAuth2 are widly used but companies misuse the OAuth2 when its used for

  1. Authorization
  2. Authentication
  3. Loggin
  4. None of the above

Correct Answer: 2

139 : Cassandra uses what protocol to discover location and state information

  1. Gossip

2. InterOps
3. REST
4. All of the above

Correct Answer: 1

140 : Dynamic secret of vault

    1. Generated short term credentials
    2. Generated long term credentials
    3. Audit trail
    4. None

Correct Answer: 1

141 : There is many approach to expose service ports to public users. One of them is exposing node port directly from service. Which of the following type is required to expose the port in *.yml file.

    1. ClusterIP
    2. NodeIP
    3. NodePort
    4. ClusterPort

Correct Answer: 3

142 : When we can access Services in other namespaces by specifying it in the DNS query. Which one is correct way if we are trying to access to {account-service} in {custom-ns} namespace?

    1. account-service.custom-ns.svc.cluster.local
    2. account-service.default.svc.cluster.local
    3. account-service.service.cluster.local
    4. account-service

Correct Answer: 1

143 : Which one of the following is not true regarding Cassandra?

    1. Cassandra is available for FREE
    2. Cassandra follows the master-slave architecture
    3. Cassandra is elasticly scalable
    4. Cassandra is highly available and tolerant of fault

Correct Answer: 2

144 : Which of the following is not one of the Kafka APIs?

    1. Streams API
    2. Connect API
    3. User API
    4. Consumer API

Correct Answer: 3

145 : Which one of the following belongs to key-value database?

    1. Redis
    2. Riak

3. MongoDB
4. Cassandra

Correct Answer: 1

146 : Which of the following is Document Based Storage?

1. MongoDB
2. HBase
3. Cassandra
4. All of the above

Correct Answer: 1

147 : Below are the major components of kafka, which one is not?

1. Topic
2. Broker
3. Consumer
4. vault

Correct Answer: 4

148 : Which one of the following belongs to key-value database?

1. Redis
2. Riak
3. mongoDB
4. Cassandra

Correct Answer: 1

149 : What are the 3 parts of JWT?

1. Header
2. Payload
3. Signature
4. All of the above

Correct Answer: 4

150 : Which one can be considered as the primary data store of Kubernetes?

1. Pod
2. Etcd
3. Riak
4. All of the above

Correct Answer: 1

151 : which of the following is Document Based Storage?

1. MongoDB
2. HBase
3. Amazone DynamoDB
4. Cassandra

Correct Answer: 1

152 : Which of the following is a tool that makes it easy to run Kubernetes locally?

1. Docker
2. Minkube
3. Kubectl
4. Kubelet

Correct Answer: 2

153 : which is not a method for API authentication and authorization?

1. Oauth
2. biometrics
3. API keys
4. username and password

Correct Answer: 2

154 : kafka-console-consumer

1. does not use a group id
2. always uses the same group id
3. uses a random group id
4. generates group id as to some rules

Correct Answer: 3

155 : If a topic has a replication factor of 3. Each partition will live on

1. 3 different brokers
2. 2 different brokers
3. 4 different brokers
4. 1 broker

Correct Answer: 1

156 : How can we secure microservices?

1. Opaque API keys
2. JWT
3. Oauth
4. All of the above

Correct Answer: 4

157 : Which of the following is a Document Based Storage?

1. MongoDB
2. Hbase
3. Cassandra
4. Amazon DynameDB

Correct Answer: 1

158 : Vault offeres ....

1. Secure secret storage
2. Dynamic secrets
3. Audit trail
4. All of the above

Correct Answer: 4

159 : What is the process of horizontal partition of data?

1. Partitioning
2. Division of data
3. Sharding
4. Separating of data

Correct Answer: 3

160 : What is dynamic secret of vault?

1. Generated long term credentials
2. Generated short term credentials
3. Audit trail
4. None

Correct Answer: 2

161 : Which one is not a key feature of Cassandra?

1. Flexible data storage
2. Easy data distribution across multiple data centers
3. Cassandra is a relational database management system
4. High Scalability

Correct Answer: 3

162 : Which of the following is not the component of Kafka?

1. Topic
2. Container
3. Producer
4. Consumer

Correct Answer: 2

163 : Zookeeper in Kafka is used for?

1. Zookeeper keeps track of which brokers are part of the Kafka cluster
2. Zookeeper stores configurations for topics and permissions
3. Zookeeper is used by Kafka brokers to determine which broker is the leader of a given partition and topic and perform leader elections
4. All of above

Correct Answer: 4

164 : Which of the following is Document Based Storage?

1. MongoDB
2. MySql

3. Oracle

4. Cassandra

Correct Answer: 1

165 : _____ tool is used to run Kubernetes locally?

1. Docker
2. Minikube
3. Kubelet
4. Kubectl

Correct Answer: 2

166 : Each message within a Kafka partition gets an incremental Id, called_____

1. Identity
2. Key
3. Offset
4. Symbol

Correct Answer: 3

167 : Which of the following is not the Messaging Queue?

1. Kafka
2. RabbitMQ
3. JMS
4. Redis

Correct Answer: 4

168 : Not a Component of Kafka

1. Topic
2. Container
3. Producer
4. Consumer

Correct Answer: 2

169 : Which of the following is not the Messaging Queue?

1. Kafka
2. RabbitMQ
3. JMS
4. Redis

Correct Answer: 4

170 : Envoy is a network proxy operating at ____ of the OSI modal.

1. Network Layer
2. Transport Layer
3. All of the above
4. None of the above

Correct Answer: 3

171 : What are the role's define by oauth?

1. Resource Server
2. Authorization Server
3. Resource Owner
4. All of the above

Correct Answer: 4

172 : Where should we implement authentication?

1. At Gatway
2. At each service
3. at one service
4. depends on system

Correct Answer: 4

173 : true about Apache Cassandra

1. Apache Cassandra is a free and open-source
2. Apache Cassandra is a distributed
3. Apache Cassandra has wide column store
4. All of the above

Correct Answer: 4

174 : Elastic Load Balancing supports the following types of load balancers

1. Application load balancers
2. Network load balancers
3. All of the above
4. None of the above

Correct Answer: 3

175 : How can microservices communicate?

1. Direct API calls
2. Direct API calls
3. None of above
4. a and b

Correct Answer: 4

176 : Which one of these databases is column based?

1. MySQL
2. PosgreSQL
3. Cassandra
4. Oracle Database

Correct Answer: 3

177 : What Vault offers

1. Secure secret storage
2. Audit trail
3. Lease and revoke access
4. All of them

Correct Answer: 4

178 : How to perform logic/transaction in a distributed way

1. Saga
2. Commands
3. Query
4. Event sourcing

Correct Answer: 1

179 : Which of the followig is used by the client to exchange the token for an access token when the access token has expired?

1. Refresh token
2. Access token
3. ID token
4. All Choices

Correct Answer: 1

180 : Replication of data ensures

1. Fault tolerance
2. Realiability
3. Both
4. None

Correct Answer: 3

181 : Kafka maintains feeds of messages in catagories called

1. Topics
2. Domains
3. Chuncks
4. Messages

Correct Answer: 1

182 : One of the following is not an API style:

1. Postman
2. Rest
3. GraphQL
4. RPC

Correct Answer: 1

183 : What are the cons of Event sourcing?

1. Systems become eventually consistent
2. Increased Complexity , learning curve

3. More storage requirement (Cheap)
4. All of above

Correct Answer: 4

184 : Cassandra uses a protocol called _____ to discover location and state information.

1. gossip
2. intergos
3. goss
4. All of the above

Correct Answer: 1

185 : OAuth is an _____

1. authorization standard
2. authentication extension
3. All the above
4. None of the above

Correct Answer: 1

186 : A technology that can connect to systems to capture streams of data store thosestreams process them as data arrives and transform them into new streams is called?

1. Kubernetes
2. Docker
3. Kafka
4. None of the above

Correct Answer: 3

187 : Key features of vault?

1. Dynamic secrets
2. Secure secret storage
3. Data encruption
4. All of the above

Correct Answer: 4

188 : What is an aggregate in Domain Driven Design?

1. Represents your main domain object
2. An entity or group of entities
3. Needed to generate domain events
4. All of the above

Correct Answer: 2

189 : Which one of the following is not true regarding Cassandra?

1. Cassandra is available for FREE
2. Cassandra follows the master-slave architecture
3. Cassandra is elasticly scalable
4. Cassandra is highly available and tolerant of fault

Correct Answer: 2

190 : which of the following is not one of the Kafka APIs?

1. Streams API
2. Connect API
3. User API
4. Consumer API

Correct Answer: 3

191 : Which database is best suitable for handling data in small volumes.

1. Relational database
2. NoSQL database
3. Both a and
4. None of these

Correct Answer: 1

192 : Which of the following is not a part of Cassandra architecture?

1. Column
2. Commit log
3. MemTable
4. Bloom Filter

Correct Answer: 1

193 : Which of the following is the command for verification of the operation?

1. Verify
2. Clear
3. Describe
4. Check

Correct Answer: 3

194 : What is the main pre-requisite for Cassandra?

1. CQLSH
2. Memory
3. Java
4. Windows OS

Correct Answer: 3

195 : Which of the following is Document Based Storage?

1. MongoDB
2. Hbase
3. Cassandra
4. All of the above

Correct Answer: 1

196 : Raft is implemented by:

1. Zookeeper
2. Consul
3. Chubby
4. All of the above

Correct Answer: 4

197 : All the following are components of JWT token except

1. Header
2. Payload
3. Signature
4. Footer

Correct Answer: 4

198 : A technology that can connect to systems to capture streams of data store those streams process them as data arrives and transform them into new streams is called?

1. Kubernetes
2. Docker
3. Kafka
4. None of the above

Correct Answer: 3

199 : Key features of vault?

1. Dynamic secrets
2. Secure secret storage
3. Data encruption
4. All of the above

Correct Answer: 4

200 : When we want wide column data which of the following database is most preferable?

1. MongoDB
2. RDBMS
3. Neo4j
4. Cassandra

Correct Answer: 4

201 : _____Represents your main Domain Object.

1. Aggregate
2. Repository
3. Domain event
4. None

Correct Answer: 1

202 : How can we secure microservices?

1. Opaque API keys
2. JWT

3. OAuth
4. All of the above

Correct Answer: 4

203 : Which of the following is not part of JWT token.

1. Header
2. Payload
3. Signature
4. None

Correct Answer: 4

204 : Which of the following is not recommended to use when having a large number of columns?

1. dbms
2. mongodb
3. cassandra
4. hive

Correct Answer: 1

205 : Which one of the following is not a component of Kafka?

1. Topic
2. Broker
3. Consumer
4. Header

Correct Answer: 4

206 : Which of the following tool can run without kubernetes or with no relation to kubernetes?

1. Docker
2. Minkube
3. Kubectl
4. Kubelet

Correct Answer: 1

207 : Which of the following is not part of Kafka ?

1. Topic
2. Producer
3. Consmer
4. None

Correct Answer: 4

208 : Which of the following HTTP Method should we use when altering data that already exists in database?

1. POST
2. PUT
3. CREATE
4. DELETE

Correct Answer: 2

209 : We Can Secure Microservices By

　　1. Opaque API keys
　　2. JWT
　　3. OAuth
　　4. All of above

Correct Answer: 4

210 : The ___ is used by clients to exchange the token for an access token when the access token has expired.

　　1. Access token
　　2. Refresh Token
　　3. ID Token
　　4. None of the above

Correct Answer: 2

211 : Design considerations includes

　　1. service coupling
　　2. Client complexity
　　3. Discovery
　　4. All of the above

Correct Answer: 4

212 : Cassandra uses a protocol called _____ to discover location and state information.

　　1. Gossip
　　2. Intergos
　　3. Goss
　　4. All of the above

Correct Answer: 1

213 : What determines the uniqueness of a partitioned database?

　　1. The data stored
　　2. The hash value
　　3. The region
　　4. None of the above

Correct Answer: 2

214 : MongoDB falls between which categories in the CAP theorem?

　　1. Availability and Constitency
　　2. Availability and Partition tolerance
　　3. Constitency and Partition tolerance
　　4. All of the above

Correct Answer: 3

215 : Which of the following API design is good for social media applications

    1. Rest
    2. RPC
    3. GraphQL
    4. None of the above

Correct Answer: 3

216 : OpenID is an __

    1. Authorization standard
    2. Authentication extension
    3. A token generator
    4. None of the above

Correct Answer: 2

217 : JWT stands for

    1. JavaScript Web Token
    2. Json Web Token
    3. JAVA Token
    4. None

Correct Answer: 2

218 : Design considerations includes

    1. Service coupling
    2. Client complexity
    3. Discovery
    4. All of the above

Correct Answer: 4

219 : Which database is best suitable for handling data in small volumes.

    1. Relational database
    2. NoSQL database
    3. Both a and b
    4. None of these

Correct Answer: 1

220 : An open source software which provides a framework for storing reading and analysing streaming data is called?

    1. Kafka
    2. docker
    3. kubernetes
    4. consule

Correct Answer: 1

221 : MongoDB is the

1. Document based
2. Column based
3. Key-Value based
4. Graph based

Correct Answer: 1

222 : CQRS is achived by having?

1. Making read-only replica databases
2. PostgreSQL
3. Sharding database
4. All of above

Correct Answer: 1

223 : What Vault offers?

1. Secure secret storage
2. Audit trail
3. Lease and revoke access
4. All of them

Correct Answer: 4

224 : Which of the following is a feature of Kafka architecture?

1. Low Overhead and High Throughput
2. High Overhear and Low Throughput
3. Low Overhead and Low Throughput
4. High Overhead and High Throughput

Correct Answer: 1

225 : Which amongst the following is used to communicate between two nodes?

1. Server
2. Zookeeper
3. Broker
4. Message

Correct Answer: 2

226 : Which is not correct option for Redis?

1. It is multi threaded
2. It has got limited client support for consistent hashing
3. It has significant overhead for persistence
4. It is not deployed widely

Correct Answer: 1

227 : A collection and a document in MongoDB is equivalent to............. concepts respectively.

1. Table and Column
2. Column and Row
3. Table and Row

4. Database and Table

Correct Answer: 3

228 : What are the features of OAuth?

    1. OAuth is a Authorization Framework
    2. OAuth can be used for Http APIs
    3. OAuth has Scoped Access
    4. OAuth is a Delegation Protocol

Correct Answer: 1

229 : Which of the following is a VALID HTTP method supported by OAuth 2 for authorization ?

    1. POST
    2. PUT
    3. GET
    4. Both POST and GET

Correct Answer: 4

230 : Which of the following is a VALID value to property "grant_type" in an access token request ?

    1. authorization code
    2. auth_code
    3. authorization_code
    4. token

Correct Answer: 3

231 : Which command is use to get service in kubernetes?

    1. kubectl get service
    2. kubectl get svc
    3. All of the above
    4. None of the above

Correct Answer: 3

232 : Which command is use to see pods running in kubernetes?

    1. kubectl get pods
    2. kubectl ps -a
    3. kubectl get running pods
    4. kubectl get pod

Correct Answer: 1

233 : Which of them are not part of Apache kafka?

    1. Producer
    2. Consumer
    3. Topic
    4. Class

Correct Answer: 4

234 : Which database store data in key-value?

1. Redis
2. Amazon DynamoDB
3. Oracle Berkeley DB
4. All of them

Correct Answer: 4

235 : Which database is not column base?

1. Cassandra
2. MongoDB
3. Hbase
4. Riak

Correct Answer: 2

236 : What vault offers?

1. Secure secret storage
2. Dynamic secrets
3. Lease and revoke access
4. All of the above

Correct Answer: 4

237 : Why does OAuth widely used for?

1. Authentication
2. Authorization
3. Authentication and Authorization
4. All of the above

Correct Answer: 2

Assignments

StudentId : 112274

- [4, 17, 21, 50, 54, 58, 60, 65, 86, 87, 97, 105, 111, 141, 146, 191, 194, 202, 211, 233]

StudentId : 113947

- [6, 20, 27, 42, 69, 80, 82, 100, 124, 134, 141, 166, 182, 200, 205, 206, 209, 221, 226, 237]

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