

# HCIP-Cloud Service H13-821 V1.0

1. Which of the following functions can be completed by the microservice cloud application platform (ServiceStage)?

- A. Container applications need to build a container management platform on ServiceStage, for example, you need to build it yourself kubernetes manages docker container applications
- B. Create applications that rely on computing resources
- C. Online visual upgrade application
- D. Use AOS templates to automate application orchestration
- E. View application indicators

2. The AOS (application orchestration service) in the microservice cloud application platform (ServiceStage) can be one-click Complete the deployment of complex distributed systems.

- A. Correct
- B. Error

4. TP99 latency is the minimum time required to satisfy 99% of network requests.

- A. Correct
- B. Error

5. On the topological map of HUAWEI CLOUD application operation and maintenance, different colors represent the health of the instance. The colors are determined by The Apdex value is determined. The closer the Apdex value is to 1, the healthier the application. If an application instance is not Application call, its color is:

- A. Grey
- B. Yellow
- C. Green
- D. Red

6. The full name of Apdex is Application Performance Index. Is developed by the Apdex Alliance for An industry standard for evaluating application performance. From the perspective of users, the Apdex standard will affect application response time. The performance is transformed into the user's satisfaction evaluation of the application performance in the range of 0-1. If  $0.3 \leq \text{Apdex} \leq 0.75$ , Which of the following statements is correct?

- A. Poor user experience
- B. Unable to determine whether the user experience is good or bad
- C. Average user experience/General user experience
- D. Satisfactory user experience

7. Which of the following are the application scenarios of HUAWEI CLOUD APM (Application Performance Management Service)?

- A. Trace the root cause of the problem through the call chain
- B. Analyze the state of things through Apdex values
- C. Use the topology map to grasp the health of the application
- D. Use templates to deploy applications to the cloud in one click

8. HUAWEI CLOUD Application Performance Management Service uses bytecode enhancement technology to achieve non-intrusive collection of user applications Performance index data, the user deploys an application developed in C language on HUAWEI CLOUD, or you can use HUAWEI CLOUD Apply performance management services to analyze its performance problems.

- A. Correct
- B. Error

11. The dashboard of the application operation and maintenance supports the display of indicator data and status data, for different indicator data Add different icons as needed, if you need to monitor the trend or compare multiple indicators. Can be created ( ): If you need to know the latest value, you can create ( )

- A. Bar chart: Pie chart
- B. Digital graph: curve graph
- C. Curve graph: Teaching word graph
- D. Bar graph: digital graph

12. Which of the following is the CSE microservice development framework to support developers to use Spring|VC style development micro Comment provided for service?

- A. RestScheme
- B. RestTempl ate
- C. RestController-
- D. RpeSchema

14. In the actual microservice guidance, what information needs to be configured before starting the service locally to make the microservice successful Register to the service center on HUAWEI CLOUD?

- A. Configuration center address
- B.handler
- C. Monitoring center address
- D. AK/SK and other certification information

15. With the rapid growth of Internet business, the application architecture is also constantly changing. Which of the following is Not mentioned in the changes in application architecture?

- A. SOA architecture
- B. Monolithic architecture
- C. Microservice architecture
- D. Atomic architecture

16. Applications evolve to CloudNative mode, and microservices are the de facto standard of CloudNative quasi.

~~A. Correct~~

**B. Error** Answer is False

17. The microservice engine CSE provides a series of supporting development tools, which of the following are included? (Multiple choice)

- A. Microservice pipeline
- B. Local/cloud engineering
- C. Test management
- D. Local/remote debugging
- E. Automatic code/document generation

18. Service Mesh supports the integration of legacy systems or other language microservices into a distributed environment, which is useful for business Zero code intrusion, and supports multiple development languages.

A. Correct

B. Error

19. Gartner believes that microservices will become mainstream in the future. Which items are the core of the microservice architecture? aims? (Multiple choice)

- A. Agile development (development agility)
- B. Flexible deployment (deployment flexibility)
- C. Online Request Tracing
- D. Precise scalability

20. In the lifecycle management of microservice development, pipelines play an important role. Will application development What are the bad sections of the microservice life cycle that the pipeline does not support?

- A. Testing
- B. Coding
- C. Deployment
- D. Build

21. Which of the following is the goal of the microservice engine CSE?

- A. Microservice development life cycle management
- B. Lifecycle management of microservice launch
- C. Microservice operation and maintenance lifecycle management
- D. Full life cycle management of microservices

22. What levels of affinity and anti-affinity does Huawei Cloud Container Engine support? (Multiple choice)

- A. cluster
- B. Node
- C. Network
- D. Application

23. What types of clusters can be created by Huawei CCE Cloud Container Engine? (Multiple choice)

- A. windows cluster
- B. Virtual machine cluster
- C. AIX cluster
- D. Bare Metal Cluster

24. What is the smallest unit of creation, scheduling, and management in Kubernetes?

- A. Node
- B. Pod
- C. Service
- D. deployment

25. Which of the following commands does not belong to the management scope of the docker image life cycle?

- A. docker commit
- B. docker save
- C. docker exec
- D. docker build

26. Which of the following features of linux does the resource limit of docoker use?

- A. namespace
- B. SELinux
- C. Cgroup
- D. aufs

27. Which of the following is not a way to access container applications?

- A. ELB
- B. Node Port
- C. Service
- D. yPC

28. Which of the following is the 1aasi computing service that CCE bare metal cluster depends on?

- A. BIS
- B. ECS
- C. EvS
- D. VPC

29. Which of the following features of 1inux does docoker's resource isolation use?

- A. Cgroup
- B. SELinux
- C. aufs
- D. namespace

30. Before using the HUAWEI CLOUD Distributed Cache DCS service, which of the following factors need to be performed Evaluation? (Multiple choice)

- A. Data backup and persistence requirements
- B. Data relational database table design
- C. Data size and concurrency requirements
- D. Data migration plan,

31. Which of the following are middleware products in the industry? (Multiple choice)

- A. Ignite
- B. Apache Tomcat
- C. oracle RebLogic
- D. Kafka
- E. Redis
- F. IBM Message Queue

32. Which of the following are the key features of Huawei Cloud Distributed Cache DCS service? (Multiple choice)

- A. Elastic expansion
- B. Ready to use
- C. Compatible with open source
- D. Worry-free operation and maintenance

33. Which of the following is a function of Huawei Cloud Distributed Message DMS Service?

- A. Horizontal expansion of the database
- B. Key-Value data cache
- C. Mass transaction transactions
- D. Module asynchronous decoupling

33. Which of the following are middleware services provided by Huawei public cloud? (Multiple choice)

- A. CMQ: Cloud message queue
- B. DRDS: Distributed relational database
- C. DDM: Distributed database service
- D. DCS: Distributed Cache Service
- E. DMS: Distributed Message Service

What are the three major cloud services for Huawei Cloud?

- A. DRDS distributed relational database
- B. CMQ cloud message queue
- C. DMS distributed message service
- D. DDM distributed dataLibrary middleware
- E. DCS distributed cache service

35. HUAWEI CLOUD distributed database middleware DDM service can realize transparent read-write separation.

- A. Correct
- B. Error

36. Which of the following is a function of the Huawei Cloud Distributed Messaging DD1 service? (Multiple choice)

- A. Mass data migration
- B. Mass data transactions
- C. Database distributed expansion
- D. Hot data cache

37. HUAWEI CLOUD distributed database middleware D1 service is highly compatible with SQL grammar, based on MySQL applications The system can easily go to the cloud.

- A. Correct
- B. Error

38. When using the HUAWEI CLOUD distributed messaging DMS service, after the Kafka queue is created, you need to get What information is needed to complete client access?

- A. Consumer Information
- B. Client certificate
- C. AS/SK
- D. Access point information

39. Which of the following are the key features of Huawei Cloud Distributed Database Middleware DDM Service? (many selected)

- A. Compatible with SQL syntax
- B. Uninterrupted business, automatic horizontal splitting and smooth expansion
- C. The cluster is highly available and can automatically recover from failures in seconds
- D. Can withstand PB-level data volume, millions of concurrent volume, ten times as much as a single-machine database connection

40. Which of the following services does not belong to the Huawei Cloud Paas service?

- A. Elastic cloud server (ECS)
- B. Cloud Container Engine CCE
- C. Cloud Performance Testing Service CPTS
- D. Microservice cloud application platform Servicestage

41. Bare metal containers run directly on Huawei's high-performance physical servers without any virtualization performance loss

Loss, the same performance as a physical machine can be obtained.

- A. Correct
- B. Error

42. In the IOT industry, the amount of data transmitted by devices is very small and usually has a fixed time interval.

In this case, the utilization rate of CFU is very low. In order to save capital, which solution of Huawei Pas can be used?

- A. Capability opening API gateway
- B. Application microservices solution
- C. Apply Saas-based transformation plan
- D. Serverless functional computing platform

43. Calculate what the following description is related to **Container Image Service** (SwR)?

- A. Multi-platform docking deployment. Support Cloud Container Engine (CCE), Microservice Cloud Application Platform (Servicestage), function service (functions age), container image service () deployment call of users
- B. Safe and reliable. Mirror warehouse multi-tenant isolation; security scanning; high data reliability (three backups)
- C. High performance. Self-developed high-performance container network, automatic elastic scaling in seconds, supporting high-performance bare all-capacity Private cluster
- D. Image management. Docking with Huawei MarketPlace, saving management of charged images purchased by customers

44. Which of the following descriptions about the Cs function of the enterprise-level microservice management platform is wrong?
- A.—A series of supporting microservice development tools, including code generation, contract editing, local and remote debugging test.
  - B. Provide multi-language SDK for new microservices, and provide low-cost retrofit access capabilities for existing applications.
  - C. One-stop microservice management, including service registration, configuration, governance, monitoring dashboard, transaction Consistent management
  - D. Provide enterprises with rapid application packaging/deployment, automated operation and maintenance and other Docker container full life cycle management Management ability
45. Compared with the traditional monolithic architecture, the microservice architecture can solve the following problems? (Multiple choice)
- A. Poor scalability
  - B. Long lead time
  - C. Long training time for newcomers
  - D. Poor code quality
  - E. High application maintenance cost
46. Public cloud charges, private cloud free
- A. Correct
  - B. Error
47. UML class diagram deployment shows the dynamic relationship between classes () [single
- A. Correct (answer)
  - B. Error
48. Which of the following are the main functions of ESB (Enterprise Service Bus)? (Multiple choice)
- A. Authentication and authorization of service communication
  - B. Monitor and route messages between various services
  - C. Support data conversion and mapping
  - D. Message and event query and sort
  - E. Solve communication failures between various service components
- 49.M provides architects with a drawing specification, which can accurately describe one with only one diagram System architecture.
- A. Correct
  - B. Error
50. Which of the following are included in the Huawei Cloud ecosystem? (Multiple choice)
- A. Cloud market
  - B. Partners
  - C. Cloud community
  - D. Training and certification

51. SOA is used for the architectural design of enterprise internal business systems, and ESB is mainly used for business system exchanges between enterprises.

A. Correct

B. Error

52. Huawei's public cloud and private cloud both use FusionSphere solutions.

A. Correct

B. Error

53. Among the commonly used TCP/IP protocols, which one is stateful?

A. FTP

B. HTTP

C. UDP

D. IP

55. The CI/CD pipeline in the software development cloud (DevCloud) can help developers automatically complete which of the following Some operations (multiple choice)

A. Application construction

B. Application automation testing

C. Application operation and maintenance and fault recovery

D. Application deployment

56. The role of the Dockerfile used when the application is compiled and built in the software development cloud (DevCloud) What is it?

A. Make an application image

B. Cloud user authentication

C. Manage project dependencies

D. Save configuration parameters

59. ICAgent is the collection agent of APM, which runs on the elastic cloud server where the application is located for real When collecting monitoring data such as topology and call chain, which of the following statements is incorrect?

A. Realize non-intrusive data collection through JVM bytecode technology, users do not need to modify business code

B. The application online through Servicestage can automatically complete the deployment of collection probes

C. The resource overhead of each collection probe is extremely small and will not affect the business

D. Support data collection for applications developed in C language

61. If you deploy an e-commerce website on HUAWEI CLOUD, in order to benefit old customers, prepare for a one-day sale, what preparations should O&M personnel make on Huawei Cloud in advance? (Multiple choice)

A. Use HUAWEI CLOUD's Stress Testing Service (CPTS) to practice the high-traffic service capabilities of the website in advance

B. Add the indicators that need to be viewed during routine operation and maintenance into the dashboard so that you can grasp the overall situation in real time

C. Set threshold alarms for key application performance indicators of the website, and the alarms will automatically notify operation and maintenance personnel

D. Prepare resources in advance. Set up an elastic scaling group to expand in time as resource usage increases during the promotion process Content

62. Threshold alarm is to detect the upper and lower limits set by the index defined in the threshold rule, if it reaches the trigger bar Send an alarm message and execute a custom action at the same time. The current alarm on HUAWEI CLOUD can be How to notify the operation and maintenance personnel? (Multiple choice)

A. SMS

B. Mail

C. WeChat

D. QQ

63. HUAWEI CLOUD Application Performance Management Service completes the application by installing a collection agent on the node where the application is located. Collected with performance data. The acquisition agent is based on the industry's Pinpoint open source project, through JVM bytecode Enhanced technology to achieve non-invasive collection of application indicators. APM does not support which of the following technology stacks are developed application?

A. JAVA

B. Tomcat

C. C++

D. Spring

64. The goal of Huawei Cloud's three-dimensional operation and maintenance is to control the operating status of the system in all directions and respond quickly Which of the following issues are specifically embodied in various problems? (Multiple choice)

A. Monitoring the running status of IaaS layer resources

B. Only pay attention to the running status of the PaaS layer application

C. Master the running status of the applications deployed on PaaS, support the tracking of faults and performance issues, and facilitate the operation Maintenance personnel positioning

D. Manage user experience guarantees and monitor whether business operations are normal in real time

65. Which of the following items belong to the category of microservice self-organizing teams? (Multiple choice)

- A. Continuously identify bottlenecks in delivery, use lean methods to quickly verify and optimize, and run in small steps
- B. You Build it, You Run it small team, complete the analysis, development, testing, deployment and operation of the service dimension
- C. Organize team design, development, testing and other roles to be clearly divided and perform their own duties
- D. Conway's Law-The design (architecture) of the product or system is restricted by the communication structure of its production organization

67. Which of the following does not belong to the programming model supported by the CSE microservice development framework?

- A.gRPC
- B. POJO
- C. JAX-RS
- D. SpringMVC

71. The scope of microservices includes self-organizing teams, technical practices, processes and tools, which complement each other.  
Promote and develop each other.

- ~~A. Correct~~
- B. Error** Answer

73. The microservice engine provides grayscale publishing between microservices, and supports following a field in the Request (Such as Header) value to match.

- A. Correct
- B. Error

74. Microservice architecture will face multi-dimensional challenges. Which of the following are the challenges that microservice architecture needs to face? war? (Multiple choice)

- A. Increased failure probability, difficulty in monitoring and tracking, high call frequency, call chain length, cross virtual machine, VLAN Uncontrollable factors of communication increase.
- B. You can freely choose components according to service needs, don't have to worry about dependency conflicts, microservices manage their own Own data.
- C. Data is no longer centralized and distributed to various microservices. Conventional transaction management cannot cross service boundaries.
- D. It is easy to realize automated testing, with clear test cases, clear external dependencies, and easy piling (API pre-definition).

75. The strategies supported by the automatic load balancing mechanism provided by the microservice engine include: sequential, random local, Sticky, instance-based load, etc.

- ~~A. Correct~~
- B. Error Answer is False

76. The microservice engine provides a series of out-of-the-box microservice governance capabilities, such as automatic fault tolerance, service Fault level, service current limit and automatic disaster recovery.

A. Correct

B. Error

77. In the Huawei Cloud Container Engine CCE service, users cannot upgrade clusters of the old version.

A. Correct

B. Error

78. kubelet is a management component located on the master node of the cluster.

A. Correct

B. Error

79. In a kubernetes cluster, which of the following service types can be accessed from the outside? (Multiple choice)

A.namespace

B.loadBalancer

C.clusterIP

D.nodePort

80. The docker image is not layered.

A. Correct

B. Error

81. What are the container orchestration tools? (Multiple choice)

A. Marathon

B. Kubernetes

C. Horizon

D. Neutron

83. What types of clusters can be created by Huawei CCE Cloud Container Engine? (Multiple choice)

A. Bare metal cluster

B. Virtual machine cluster

C. A1X cluster

D. windows cluster

84. Which of the following scenarios are applicable to the Huawei CCE Cloud Container Engine? (Multiple choice)

A. Scenarios with significant fluctuations in business load

B. Scenarios for reducing resource costs

C. Scenarios where traditional IT architecture can stably support business

D. Scenarios for improving business online efficiency

85. The difference between a high-availability cluster and a normal cluster in the Huawei Cloud Container Engine CCE service is a high-availability cluster  
Generally contains multiple nodes.

A. Correct

B. Error

86. The number of Pods can be set in the Replicaset of Kubernetes

A. Correct

B. Error

88. Which of the following is not a key feature of HUAWEI CLOUD distributed messaging DMS service?

A. Provide hotspot data caching

B. Flexible queue type: Provide ordinary queue, FIFO queue, Kafka queue

C. Support rich message capabilities such as message filtering, message backtracking, message reposting, and broadcast messages

D. Accumulation of tens of billions of messages

89. Which of the following are typical uses of middleware? (Multiple choice)

A. Distributed database middleware: supports massive data

B. Load balancing: support massive access

C. Message queue: module asynchronous decoupling

D. Cache database: hot data cache

E. Security Service: Apply WAF Security

90. If an enterprise develops or directly uses open source middleware, it needs to solve the hardware failure independently. Problems such as faults, software installation and deployment, middleware software bugs and security repairs require a lot of manpower from the enterprise.

A. Correct

B. Error

92. Which of the following functions can be achieved after using cloud middleware to build distributed cloud applications? (Multiple choice)

A. Open compatibility, strong scalability

B. Separation of dynamic and static: the flow of dynamic pages and the flow of static pages are separated

C. Database sub-database sub-table

D. System decoupling

E. Can accurately estimate system performance and capacity

93. When using the HUAWEI CLOUD Distributed Message DMS service, after the Kafka queue is created, you need to get What information is needed to complete client access?

A. Client certificate

B. AS/SK

C. Access point information

D. Consumer Information

94. Middleware can help users develop and integrate complex application software flexibly and efficiently

A. Correct

B. Error

96. Which of the following is a function of the Huawei Cloud Distributed Cache DCS service?

A. Asynchronous decoupling between modules

B. Horizontal expansion of the database

C. Key-Value data cache

D. Mass transaction transactions

97. A game platform faces two major challenges: On the one hand, the platform utilization rate is lower than 30% (that is, half of the time utilization rate is less than 10%), resulting in a great waste of resources; on the other hand, the current hand The labor upgrade method is inefficient, and the upgrade process takes an average of more than two hours. In this case, you can use Which solution is Huawei Cloud PaaS?

A. Application of zero transformation to the cloud solution

B. Application switching cloud middleware solution

C. Application containerization solution

D. Apply Saasization

98. What is the following description related to the **container mirroring service** (SWR)? (Multiple choice)

A. Image management. Connect with Huawei MarketPlace to manage the charged images purchased by customers.

B. Multi-platform docking deployment. Support Cloud Container Engine (CCE), microservice cloud application platform (ServiceStage), FunctionStage, Container Image Service (SMR) Department call.

C. High performance. Self-developed high-performance container network, automatic elastic scaling within seconds, supporting high-performance bare metal capacity Private clusters.

D. Safe and reliable. Mirror warehouse multi-rental height: security scanning: high efficiency and reliability (three backups).

99. Through the function service (FunctionStage), you only need to write the business function code and set the running bar

Software, no need to configure and manage infrastructure such as servers, functions are operated in a flexible, free operation and maintenance, and highly reliable manner Row.

A. Error

B. Correct

102. What benefits can business bring after using containers? (Multiple choice)

A. Suitable for agile scaling scenarios

B. Reduce business costs

C. Improve the quality of code development

D. Improve delivery efficiency

E. Improved security for business

103. Based on Application Orchestration Service (AOS), automatic operation and maintenance of applications can be realized.

A. Error

B. Correct

105. Which of the following are commonly used disaster tolerance architecture patterns? (Multiple choice)

A. Backup and restore

B. Cold standby

C. Multi-live mode

D. Remote recovery

E. Warm standby

108. SOA is used for the architectural design of enterprise internal business systems, and ESB is mainly used for inter-enterprise business systems

A. Error

B. Correct

109. What dimensions does the cloud architect's capability model include? (Multiple choice)

A. System optimization

B. Demand analysis

C. Operation and maintenance

D. Planning and design

E. Deployment and implementation

110. UML provides architects with a drawing specification, which can accurately describe a picture with just one picture

The architecture of a system.

A. Error

B. Correct

111. Which of the following types of services does Huawei Cloud include? (Multiple choice)

A. IaaS

B. PaaS

C. Solution service

D. SaaS

112. Which cloud services are the key to high availability design at the cloud server level?

A. Cloud Disk Backup (VBS) and Object Storage Service (OBS)

B. Cloud Dedicated Line (DC) and Elastic File Service (SFS).

C. Elastic Load Balancing (ELB) and Elastic Scaling Service (AS)

D. Cloud Monitoring (Cloud Eye) and Cloud Container (CCE)

113. Regarding the difference between stateless applications and stateful applications, which of the following statements are correct? (Multiple choice)

- A. Stateful applications can get better scalability through code modification
- B. Stateless applications have higher performance than stateful applications
- C. Stateless applications can be easily deployed in containers
- D. Stateful applications need to remember the specific user who initiated the request

114. Regarding monolithic applications, which of the following statements is incorrect?

- A. Since a single application is a deployment package, it is easier to deploy.
- B. The monolithic application has no public API.
- C. A single application can be a classic three-tier web logic architecture.
- D. Traditional J2EE applications are often monolithic applications.

1. Which of the following are the advantages of cloud native?

- A. Loosely coupled modules
- B. Rapid deployment
- C. Hardware virtualization 0%
- D. Quick service restoration

2 Cloud architecture design is very flexible and does not require mastery of UML.

- A. correct
- B. Wrong (answer)

3. What are the four cloud native applications?

- A. DevOps (answer)
- B. Continuous delivery (answer)
- C. Container (answer)
- D. Microservices (answer)

4 What are the three middleware services of Huawei Cloud?

- A. DCS Distributed Cache Service
- B. DMS Distributed Message Service
- C. DDM distributed database middleware

6. ServiceStage includes the following capabilities except?

- A. Resource management of clusters and nodes
- B. Microservice application development toolbox microservice management
- C. Database management (answer)
- D. Deployment and application management of container and virtual machine applications

7 What stage has the application architecture changed?

- A. Monolithic architecture
- B. SOA architecture
- C. Microservice architecture
- D. Fog technology architecture

8 What level of solutions does Huawei Cloud PaaS have?

- A. Application zero transformation to the cloud. Automatic deployment and operation and maintenance
- B. Application + cloud middleware. Reduce operation and maintenance costs
- C. Application containerization. Second-level elastic scaling, higher resource utilization
- D. Application microservices. Decoupling of features. Go online quickly
- E. Business extreme innovation. Function-based programming

9. What are the benefits of using containers for business?

- A Fine-grained resource isolation through shared kernel. (Reduce business costs) (answer)
- B Improved security for the business
- C defines the delivery and deployment specifications of environment-independent standards. (Improve delivery efficiency) (answer)
- Quick start and stop in D seconds (suitable for agile scaling scenarios) (answer)
- E Improve the quality of code development

11. DCS is mainly used for hotspot data caching to improve data access capabilities and reduce database pressure.

- A.YES (answer)
- B NO

12. If the enterprise develops or maintains middleware by itself, the enterprise needs to deal with the installation department of software and hardware by itself Deployment, failure and maintenance, and bug repair, etc.; if you use cloud middleware services, it can be used out of the box.

- A.YES (answer)
- B.NO

13 Can an application create multiple containers when creating an application?

- A can (answer)
- B can't

14 What are the cluster types currently supported by CCE

- A. virtual machine
- B. Bare metal
- C. Windows
- D. All three of the above are supported (answer)

15. Huawei CSE supports multilingual microservice access and intercommunication. The supported languages include ()

question】

- A. Java (answer)
- B.GO (answer)
- ~~C.net (answer)~~
- D. Node. js (answer)
- E.PHP (answer)
- F Python (answer)

Answer: ABDEF

16. What capabilities does Huawei CSE Microservices provide for lifecycle management ( )

- A. Service creation---local engineering, cloud engineering (answer)
- B. CCD---application development pipeline (answer)
- C. Service operation and maintenance --- microservice governance (answer)
- D. Service monitoring---Dashboard, docking APM (answer)

17. Which of the following scenarios is suitable to use Mesher to access CSE ( )

- A. Transform business code written in non-java languages into microservices (answer)
- B. Old Java services transform microservices (answer)
- C. Connect non-java SDK services with services written in java SDK (answer)
- D. Distributed transaction
- E. Microservices written in java language, especially new microservice projects

19. TP99 latency is the longest time required to satisfy 99% of network requests. Four requests are time-consuming

- A. 10ms (answer)
- B. 500ms
- C. 20ms
- D. 100ms

20. After the user deploys the application, it is necessary to manually embed points in the code so that APM can monitor the performance of the application.

- A. correct
- B. Wrong (answer)

21. Monolithic applications can use middleware. ( )

- A. correct (answer)
- B. error

24. Based on Application Orchestration Service (AOS), automated operation and maintenance of applications can be realized.

- A. correct
- B. Wrong (answer)

25. Which of the following cache engines does Huawei Cloud Distributed Cache DCS service include? ( )

- A. Redis (answer)
- B. Memcached (answer)
- C. IMDG (answer)
- D. MySQL

26. When the business does not require high availability of cache. And Xili is lower cost. At this time, you should choose for the application Which of the following types of Huawei Cloud Distributed Cache DCS service?

- A. Single machine (answer)
- B. Active and standby
- C. Cluster
- D. None of the above

27. HUAWEI CLOUD distributed database middleware DDM service is used as the () front distributed database access Ask the service.

- A. DCS
- B. DMS
- C. RDS (answer)
- D. Oracle

28 Which of the following are container engines?

- A. Docker (answer)
- B. rkt (answer)
- C. Warden (answer)
- D. eclipse

29. A Pod can contain multiple containers in Kubernetes.

- A. correct
- B. error

30. What are the advantages of the services provided by Huawei CCE for stateful containers?

- A. Data persistent storage (answer)
- B. Multi-instance data sharing (answer)
- C supports a storage format
- D When the container instance fails or is migrated. Data is not lost (answer)

33. What are the benefits of microservice architecture?

- A. The boundaries of service modules are clearer: microservices emphasize modular structure (REST interface calls). Large teams are very important. (answer)
- B. Support independent deployment: Simple services are easier to deploy. Because the service is autonomous, it won't happen after a problem Cause the system to crash. (answer)
- C. Simple operation and maintenance: Stateless, self-service operation and maintenance make the system without a mature operation and maintenance team (mechanism). Great cost savings
- D. Allow technical diversity: With microservices, you can mix and use multiple programming languages and development frameworks And data storage technology. (answer)

34. Microservices cause a series of capabilities provided. Which of the following is related to microservice discovery? ()

- A. Registration Center (answer)
- B. Configuration Center
- C. Governance center
- D. Service monitoring

35. In the actual guidance of microservices. Which microservice in the following diagram can be published in grayscale?

- A. weathermapweb
- B. fusionweather
- C. weather (answer)
- D. forecast

36. Which of the following are the components of HUAWEI CLOUD's three-dimensional O&M solution? ()

- A. Infrastructure layer operation and maintenance (answer)
- B. Application layer operation and maintenance (answer)
- C. Application performance analysis (answer)
- D. Business analysis (answer)

37. Use the log query function of HUAWEI CLOUD application operation and maintenance service to analyze the problem, which can only be checked on the operation interface. Look at the application log, it is not possible to export the log to local view.

- A. correct
- B. Wrong (answer)

39. The CICD pipeline in DevCloud can help developers automatically complete which of the following Some operations

- A. Application construction (answer)
- B. Application deployment (answer)
- C. Application automation test (answer)
- D. Application operation and maintenance and failure recovery

40. What solutions does HUAWEI CLOUD PaaS have for cloud access to IT systems in traditional industries?

- A. Application zero modification to the cloud. Automatic deployment and operation and maintenance (answer)
- B. Application switching cloud middleware. Reduce operation and operation and maintenance costs (answer)
- C. Application containerization. Second-level elastic scaling, higher resource utilization (answer)
- D. Application microservices. Decoupling of features. Go online quickly (answer)
- E. Extreme business innovation. Function-based programming

41. The UML state diagram shows the life cycle of a class. ()

A. correct (answer)

B. error

42. The number of pods can be set in Kubernetes' ReplicaSet. ()

A. correct

B. Wrong (answer)

43. When a real estate company migrated its offline system to the cloud, summarized the following system transformation requirements: 1) System Smooth transformation of applications and applications to the cloud; 2) Multi-language (java, go) hybrid architecture supports hundreds of businesses; 3) days Rapid innovation of granular services. To meet the above requirements. Which Huawei Cloud PaaS solution is more appropriate? ()

A. Application SaaSization

B. Application switching cloud middleware solution

C. Application containerization solution

D. Application microservices solution (answer)

44. How to deploy microservices developed using CSE Microservice Framework SDK to ServiceStage by others Service discovery call?

A. Developers are required to install the service center by themselves. Provide service registration and service discovery services.

B. The point-to-point access of the calling-side service is called the calling-side service.

C. Directly use the service center deployed on the cloud platform to register and discover services. (answer)

D. Use the Kubernetes DNS service deployed on the cloud platform for service discovery.

45. The role of the Dockerfile used in the software development cloud (DevCloud) compilation and construction What is it?

A. Save configuration parameters

B. Make an application mirror (answer)

C. Cloud user authentication

D. Manage project dependencies

47. Which of the following are the processing modules provided by default in the operating model of the CSE microservice development framework? ()

A. Service governance (answer)

B. Load balancing (answer)

C. Call chain tracking (answer)

D. Performance statistics

49. In the diagram below. About the coordination of HUAWEI CLOUD elastic load balancing and elastic scaling services Which one is correct?

- A. The service configuration in the elastic scaling group can be different
- B. The current page of Huawei Elastic Scaling Service supports containers
- C. When elastic scaling services and load balancing work together, scaling strategies no longer work
- D. The cloud servers in this picture all provide the same service to the outside (answer)

50. What kind of diagram is in UML below?

- A. Class Diagram
- B. Sequence diagram (answer)
- C. State diagram
- D. Use case diagram

54. In the topology diagram of HUAWEI CLOUD Application Performance Management Service, each arrow line represents a call relationship. The health of Apdex with the same color represents the calling relationship. The red dotted arrow line as shown in the figure below indicates this The calling situation is

- A. Request status is satisfied
- B. Request status is generally caused by delay
- C. The request status is poor due to delay (answer)
- D. The request status is very poor. Due to an error

55. Which of the following is not an advantage of the suite managed by Huawei Cloud CCE? ()

- A. Through shared kernel. Fine-grained resource isolation
- B. Defines the delivery and deployment specifications of environment-independent standards
- C. Use Hypervisor to achieve more efficient use of hardware resources (answer)
- D. Quick start and stop in seconds

56. The process and tools of microservices, self-organizing teams, and technical practices complement each other. Which of the following is not Belongs to the category of processes and tools?

- A. Actively introduce external tools while continuously optimizing internal tools
- B. Ensure the stability and efficiency of the continuous integration and continuous deployment pipeline
- C. Establish a reliable and repeatable delivery process through a highly mature automation system (answer)
- D. Strengthen the construction and management of infrastructure. Speed up feedback efficiency such as monitoring, alarming, log aggregation, etc.

57. Under the microservice architecture model, developers cannot freely choose development technologies to provide API services. ()

- A. correct
- B. Wrong (answer)

58 Which of the following Huawei Cloud middleware services can solve the asynchronous message decoupling problem of business applications?

- A. DCS: Distributed Cache Service
- B. **DMS: Distributed Message Service (answer)**
- C. DDM: Distributed Database Service
- D. RDS: Relational Database Service

59 The dashboard of the application operation and maintenance supports the display of indicator data and status data. For different indicator data roots Add different icons as needed. If you need to monitor the change trend or compare multiple indicators, you can create it; if Need to know the latest value can be created ().

- A **curve graph; digital graph (answer)**
- B digital graph; curve graph
- C histogram; pie chart
- D histogram; digital graph

60 In a kubernetes cluster. Which of the following service types can be accessed from the outside?

- A. **deport (answer)**
- B. **load Balancer (answer)**
- C. clouserIP
- D. namespace

61 In the actual guidance of microservices. Which microservice in the following diagram is connected to the system through mesher In the system?

- A. **weathermapweb (answer) 100%**
- B. fusionweather 0%
- C. weather
- D. forecast

62 Which of the following is not a benefit of using cloud middleware services? () [Multiple Choice Questions]

- A. Out of the box
- B. Reliable and safe
- C. Automatic upgrades and patches
- D. **After using middleware services, companies need to invest a lot of manpower to maintain middleware software (answer)**

63. Application Performance Management (APM) supports non-intrusive performance data collection without modifying business code Can be easily accessed.

- A. **correct (answer)**
- B. error

64. As shown in the figure, the topology diagram of HUAWEI CLOUD APM is a visualization of the calling relationships and dependencies between applications. Display. Use the topology diagram to intuitively view the running status of the application. Which of the following statements is wrong?

- A. Each circle on the topology map represents an application. The number "1/1" in the circle means that the app has two Examples, one normal, one abnormal. (answer)
- B. The dashed red line between the circle Vmall-apigw-service and the circle Vmall-user-service on the topology diagram The arrow line indicates that the application Vmall-apigw-service calls the application Vmall-user-service. The request status is very Poor. Due to time delay
- C. The color of the circle is green. It means that the status of the app is healthy.
- D. The dependency between applications can be clearly viewed through the topology diagram.

65. PaaS is divided into Apaas (Application PaaS application PaaS) and Gpaas (General PaaS). General paas). Gpaas's capabilities cover: orchestration and deployment, monitoring operation and maintenance, container engine, microservices Engine, software warehouse, middleware, function service, etc.

- A. correct answer)
- B. error

66 Which of the following statements about UML state diagrams is correct? ()

- A. State diagram shows different types of migration relationships
- B. The states in the state diagram can be arranged in chronological order
- C. Change of state. Triggered by internal and external events (answer)
- D. The flowchart we often say is the state diagram

67. Which of the following statements is not a feature of mainstream public clouds?

- A. Xia Gai IaaS, Paas, SaaS00%
- B. Support pay on demand 00%
- C. You can only apply for resources through the management console page (answer)
- D. The mainstream public cloud also provides a large number of cloud solutions

68 Which of the following functions does Kubernetes mainly include?

- A Use Docker to package, instantiate and run the application Chengnan (answer)
- B Run and manage cross-node luxury devices in a cluster (answer)
- C Solve the communication problem between Docker cross-node luxury devices (answer)
- D Realize effective management of virtual machines

69 What data access interfaces can Huawei Cloud Distributed Message DMS Service provide? ()

- A. HTTP Restful Api (answer)
- B. TCP SDK (answer)
- C. Kafka SDK (answer)
- D. sql interface

72 Huawei Container Cloud does not support stateful applications.

- A. correct
- B. Wrong (answer)

73. What are the key points of cloud native applications

- A. DevOps (answer)
- B. Continuous delivery (answer)
- C. Automatic operation and maintenance
- D. Microservices (answer)
- E. virtual machine

74 An enterprise's own service capabilities have matured. In order to further enhance the enterprise's influence in the industry. Attract Emerging partners. Enhance corporate competitiveness. Intend to develop the enterprise's internal service capabilities in the form of standard API Which solution of HUAWEI CLOUD PaaS can be used when it is released for third-party development?

- A. Applicator
- B. Application microservices solution
- C. Capability opening API gateway (answer)
- D. Apply SaaS transformation plan

75. Microservices architecture is an architectural pattern. Which of the following is it advocated

- A. Small and focused on one thing (answer)
- B. Independent process is also process isolation (answer)
- C. Lightweight communication mechanism (answer)
- D. Loosely coupled, independent deployment

76. What value can Huawei Cloud CCE cloud container engine bring to game manufacturers using CCE?

- A. One-stop deployment and operation and maintenance (answer)
- B. High-availability business is not interrupted (answer)
- C. Flexible elastic scaling strategy (answer)
- D. Customizable DevOps capabilities (answer)

77. When creating an application on the Huawei CCE page, you can choose to create multiple instances.

- A. correct (answer)
- B. error

78 In the Huawei Cloud Container Engine CCE service, users cannot upgrade clusters of the old version. ()

- A. correct
- B. Wrong (answer)

80. Among the capabilities provided by the microservice engine. Which of the following is related to microservice discovery? ()

A. Registration Center (answer)

B. Configuration Center

C. Governance center

D. Service monitoring

81. HUAWEI CLOUD Distributed Cache DCS service provides data for Key-Value caching services for application systems Library service.

A. correct (answer)

B. error

82. Which of the following services are sub-services of the microservice cloud application platform (Service Stage)?

A. AOS (application orchestration) (answer)

B. CSE (Micro Service Engine) (answer)

C. APM (Application Performance Management) (answer)

D. ECS (Elastic Cloud Server)

85 Which of the following functions can be achieved after using cloud middleware to build distributed cloud applications?

A. Separation of dynamic and static: the flow of dynamic pages and the flow of static pages are separated (answer)

B. Can accurately estimate system performance and luxury (answer)

C. System decoupling (answer)

D. Database sub-database sub-table (answer)

E. Open and compatible, strong scalability (answer)

86 Which types of services does Huawei Cloud include?

A. IaaS (answer)

B. PaaS (answer)

C. SaaS (answer)

D. Solution Service

87. Bare metal devices run directly on Huawei's high-performance physical servers. Without any virtualization performance loss. It can obtain the same performance as a physical machine.

A. correct (answer)

B. error

88. The following description of the characteristics of the microservice cloud application platform (Service Stage). Which ones are correct?

A Resource preparation is fast. Mixed arrangement of heterogeneous resources. Self-service application. Implementation distribution

B feature development is fast. Multilingual microservice framework compatible with mainstream open source communities

C The application goes online quickly. Graphical arrangement of one-click medical department

D Fault location is fast. Non-intrusive collection of end-to-end health monitoring (answer)

89 Which of the microservices in the following diagram can be published in grayscale in the microservices actual combat guide? (C)

A. weathermapweb

B. fusionweather

C. weather (answer)

D. forecast

90. Which of the following cache engines does Huawei Cloud Distributed Cache DCS service include? ()

A Redis (answer)

B Memcached (answer)

C.IMG (answer)

D MySQL

91. What are the advantages of cloud native applications over traditional applications?

A. high performance

B. DevOps rapid iteration (answer)

C. Elastic scaling of capacity (answer)

D. Service recovery in seconds (answer)

92. Microservice architecture will face multi-dimensional challenges. Which of the following are the challenges that microservice architecture needs to face?

A. The probability of failure increases, and it is difficult to monitor and track. The call frequency is high and the call chain is long. Across virtual machines, Uncontrollable factors increase in VLAN communication plus. (answer)

B. Facilitate the realization of automated testing. Test cases Clear, clear external dependencies. Easy to piling (API predefined).

C. Data is no longer centralized management. Distributed to each Microservices. Conventional transaction management cannot cross-domain services Service boundaries. (answer)

D. You can freely select groups according to service needs don't worry about dependency conflicts. Microservices I manage my own data.

93. What challenges will the microservice architecture face?

A. Distributed system. High complexity (answer)

B. Partitioned database architecture. Data consistency is difficult

C. The function involves multiple modules. It is not easy to test

D. Inevitable extension of lead time

94. What are the benefits of microservice architecture?

A. The boundary of the service module is clearer: microservices emphasize the modular structure (REST interface adjustment Use). This is very important for large teams want. (answer)

B. Support independent deployment: simple service is easier Department. Since the service is autonomous, there is a problem Will not cause system crash afterwards. (answer)

C. Simple operation and maintenance: stateless, self-service operation and maintenance

The system does not need a mature operation and maintenance team (machine System). Great cost savings.

D. Allow technical diversity: with microservices. You can mix multiple programming languages, open Development framework and data storage technology. (answer)

95. Which of the following is a function of the Huawei Cloud Distributed Database DDM Service?

- A. Database distributed expansion (answer)
- B. Hot data cache
- C. Mass data migration
- D. Mass data transaction (answer)

97. Which of the following is a component used for persistent storage in Kubernetes? ()

- A. api-server
- B. etcd (answer)
- C. kubelet
- D. event-controller

98. What is the internal access of service in the kubernetes cluster?

- A. nodePort
- B. loadBalancer
- C. ClusterIP (answer)
- D. namespace

99. The user must manually bury points in the business code to allow the HUAWEI CLOUD application operation and maintenance service to collect user responses Various performance information used.

- A. Correct
- B. Wrong (answer)

100. Which of the following operation and maintenance capabilities can be provided by the application operation and maintenance of the microservice cloud application platform (serviceStage) force?

- A. Call chain analysis (answer)
- B. Node resource monitoring (answer)
- C. Warning (answer)
- D. Log analysis (answer)
- E. Elastic scaling

101. When using the CES Microservice Framework SDK to develop microservices, you must introduce external web server support yourself. The service is running

- A. Correct
- B. Wrong (answer)

102. Create an elastic scaling group on the ServiceStage application operation and maintenance interface. Which of the following is not an application Example of an elastic scaling strategy? ()

- A. Alarm trigger
- B. Timing trigger
- C. Periodic trigger
- D. Manual trigger (answer)

106. CSE provides a series of supporting development tools, including

- A. Local/cloud engineering (answer)
- B. Automatic code/document generation (answer)
- C. Microservice pipeline (answer)
- D. Local/remote debugging (answer)
- E. Test management (answer)

107. Distributed service architecture applications deployed on HUAWEI CLOUD use traditional operation and maintenance methods to go to cloud services It is also very convenient and quick to download logs on the device to locate bugs. ()

- A. Correct
- B. Wrong (answer)

109. Microservices under the microservice architecture naturally support DevOps, and microservices and DevOps complement each other. DevOps The development, testing and operation and maintenance of business components are required to be undertaken by a team (two pizza team), rapid iteration, Continuous delivery. ()

- A. Correct (answer)
- B. Error

110. If you develop a microservice based on the CSE Java SDK from scratch, which method is recommended to create Build microservices?

- A. Cloud engineering (answer)
- B. Build management
- C. Pipeline
- D. Local engineering

111. Microservices are centered on continuously improving delivery efficiency and shortening the delivery cycle. Based on the cloud-native approach, The result of architecture optimization. ()

- A. Correct (answer)
- B. Error

114. What types of cloud computing services use the platform as a service?

- A. IaaS
- B. None of the above
- C. SaaS
- D. PaaS (answer)

116. Kubelet is a management component located on the master node of the cluster. ()

- A. Correct
- B. Wrong (answer)

117. Static POD in Kubernetes requires the intervention of api server.

- A. Correct
- B. Wrong (answer)

118. In Kubernetes, which component of the cluster does Kubectl interact with? ()

- A. etcd
- B. event-controller
- C. kubelet
- D. api-server (answer)

119. When using the HUAWEI CLOUD Distributed Message DMS service, after the Kafka queue is created, which one needs to be obtained? What information can complete customer access?

- A. Client certificate (answer)
- B. Access point information (answer)
- C. AS/SK
- D. Consumer Information

120. Which of the following middleware services can solve the hot data caching problem of business applications?

- A. DMS: Distributed Message Service
- B. DCS: Distributed Cache Service (answer)
- C. RDS: Relational Database Service
- D. DDM: Distributed database service

121. When the business needs a highly available, highly reliable, but not large-capacity, high-concurrency data cache, it should Which type of Huawei Cloud Distributed Cache DCS service should I choose for my application? ()

- A. Primary and secondary (answer)
- B. Stand-alone
- C. Cluster
- D. None of the above

122. If an enterprise develops or directly uses open source middleware, it needs to resolve hardware failures, Issues such as software installation and deployment, middleware software bugs, and security fixes require a lot of manpower from the enterprise. ()

- A. Correct (answer)
- B. Error

123. What benefits can the enterprise application zero transformation cloud solution bring? ()

- A. Improve resource utilization (answer)
- B. Rolling deployment, gray release
- C. Automatic deployment, high efficiency and error rate Low (answer)
- D. Automated monitoring operation and maintenance service (answer)

124. Middleware can help users develop and integrate complex application software flexibly and universities.

A. Correct (answer)

B. Error

125. When the business needs a high availability, high reliability, but also a large-capacity, high-concurrency data cache, At this time, which type of Huawei Cloud Distributed Cache DCS service should the application choose?

A. Active and standby

B. None of the above

C. Stand-alone

D. Cluster (answer)

126. What challenges does the application switching middleware solution mainly deal with? ()

A. Manual deployment of business, low efficiency and error rate high

B. The cost of self-operation and maintenance of enterprises is high (answer)

C. Poor performance and insufficient capacity expansion (answer)

D. Insufficient high availability capability of open source version (Answer)

127. What dimensions does the cloud architect's capability model include?

A. System optimization (answer)

B. Operation and maintenance (answer)

C. Planning and design (answer)

D. Deployment implementation (answer)

E. Needs analysis (answer)

128. From the perspective of application development and deployment, which areas of cloud architecture design include the following?

A. Scalability and automatic scaling design (Answer)

B. Loose coupling and stateless design (answer)

C. Safe design (answer)

D. Fault-tolerant design for system failure (answer)

E. API interface design

129. Which of the following statements about SOA and ESB is not to fight for

A SPA service can be developed in different languages

B ESB is an enterprise-level implementation of the SOA concept Present

C When using ESB to connect the internal web services and external non-web services

Time, you need to redevelop web services into non web service (answer)

D ESB has both commercial products and enterprises Self-study

130. There are many driving factors for the rise of DevOps. Which driving factor does cloud computing belong to? ()

- A. Business needs
- B. Engineering basis
- C. Capacity requirements
- D. Technical basis (answer)

131. Application Orchestration Service (AOS) can complete application resource orchestration and application design. ()

- A. Correct (answer)
- B. Error

132. Regarding the difference between stateless applications and stateful applications, which of the following statements are correct?

- A. Stateful applications need to remember to initiate requests Specific user (answer)
- B. Stateful applications can be modified through code Get better scalability
- C. Stateless applications are compared to stateful applications Have higher performance (answer)
- D. Stateless applications can be deployed more easily In the container (answer)

133. Which aspects of the architect's work practice include the following? ()

- A. Focus on the project implementation stage, throughout the entire Product development cycle
- B. Oriented by strategic issues, paying attention to tactical issues Question (answer)
- C. Focus on high-level design and participate in functional models Block design (answer)
- D. Take the overall situation as the leading factor and guide the local reality Shi (answer)

134. DDM middleware can be used to replace the Redis service in the original application in the process of application transformation to the cloud.

- A. Correct
- B. Wrong (answer)

135. When a ticketing website carries out a big promotion, the website is easily paralyzed due to the huge amount of instant visits. In response to Traffic peaks, which of the following microservice governance methods can effectively cope with this scenario and prevent the system from overloading and crashing?

- A. Current limit (answer)
- B. Load balancing
- C. Fuse

136. If you deploy an e-commerce website on HUAWEI CLOUD, in order to benefit old customers, One day's big sale, what preparations should O&M personnel make on HUAWEI CLOUD in advance?

A. Design of key application performance indicators of the website Threshold alarms are set, and the alarms are automatically notified to operation and maintenance personnel

Member (answer)

B. Add the indicators that need to be checked in routine operation and maintenance Add it to the dashboard for real-time Bureau (answer)

C. Use Huawei Cloud's Cloud Eye to perform in advance Practice the high-traffic service capabilities of the website

D. Prepare resources in advance and set up elastic scaling Group, according to the resource usage in the promotion process Increase capacity in time (answer)

137. The probe technology of APM non-intrusive data acquisition is passive monitoring, which does not consume CPU and memory

~~A. Correct (answer)~~

**B. Wrong** Correct Answer

139. SOA is used for the architectural design of enterprise internal business systems, and ESB is mainly used for business system interaction between enterprises.

A. Correct

**B. Wrong (answer)**

141. The following description is related to the container mirroring service SWR

A. High performance, self-developed high performance container network, Automatic elastic scaling in seconds

**B. Mirror/Image management. . . (answer)**

C. Multi-platform deployment, support CCE\SERVICESTAGE\SWR User's Department Office call (answer)

**D. Safe and reliable, multi-rental mirror warehouse Away (answer)**

142. Which of the following is the positioning of DCS?

**A. Can effectively improve the access speed of hotspot data Degree (answer)**

B. Support strong consistency transactions

**C. Can greatly reduce database pressure (Answer)**

**D. Provide key-value data for the application system Cache (answer)**

144. What is the command to view the running container in docker?

A.docker images

B.docker images

C.docker run

**D. docker ps (answer)**

145. Which of the following is the correct procedure for CCE deployment application? ()

- A. Application access settings, container settings, applications Basic information settings, advanced settings
- B. Application basic information settings, container settings, Application access settings, advanced settings (answer)**
- C. Application basic information settings, application access settings Settings, container settings, advanced settings
- D. Container settings, application access settings, application Basic information settings, advanced settings

146. The strategies supported by the automatic load balancing mechanism provided by the microservice engine include: sequential, random local, sticky Hysteresis, based on instance load, etc.

- ~~A. Correct (answer)~~
- B. Error **Answer is False**

147. Which of the following is not a programming model supported by CSE?

- A. JAX-RS
- B.gRPC (answer)**
- C.POJO
- D. SpringMVC

148. if  $0.3 < \text{Apdex} < 0.75$ , user experience

- A. Unsure
- B. Poor
- C. General (answer)**
- D. Better

150. Which of the following commands does not belong to the category of dockerfile commands?

- A. FROM
- B.CD (answer)**
- C.COPY
- D.MAINATNER

151. In the POJO mode, what information does the consumer need to formulate when calling the service provider? ()

- A.instanceId
- B.schemaId (answer)**
- C.operationId
- D.microserviceName (answer)**

152. DevOps refers to the provision of a series of tool chains to achieve automated continuous delivery.

A. Correct (answer)

B. Error

1. Huawei's PaaS layer applications are divided into: GPaaS and APaaS

A. Correct (answer)

B. Error

2. The architecture of SOA introduces the concept of ESB enterprise service bus, and builds application modularization into independent Service

A. Correct (answer)

B. Error

3. What are the three logical layers of a general web application?

A. Access layer

B. Business logic layer

C. Data access layer

D, persistence layer

4. What are the advantages of microservices?

A. Different technology stacks can be used to build services

B. Lightweight protocol, can use HTTP protocol communication

C. Flexible expansion of the architecture

D. Microservices are a silver bullet, suitable for various business scenarios

5. The general principles of cloud architecture design are:

A. Fault-tolerant design considering system failure

B. The application uses loose coupling and stateless design

C. Scalable and auto-scaling design

D. Consider incorporating safety factors into design principles

6. Which of the following are the uses of middleware? (Multiple choice)

A. Support for very large scale applications

B. Support massive access

C. Support massive data

D. Module asynchronous decoupling

E. Hot data cache

7. Which of the following is not a benefit of using cloud middleware services? (Single choice)

A. Out of the box

B. Reliable and safe

C. Automatic upgrades and patches

D. After using middleware services, companies need to invest a lot of manpower to maintain the correct middleware software

8. Which of the following are the key features of DCS services (multiple choice)

- A. Flexible specifications
- B. Compatible with open source
- C. Flexible expansion
- D. Reliable data
- E. Autonomous operation and maintenance

9. When the business needs a high-availability and high-reliability data cache, but does not require a high-standard data cache, At this time, which type of DCS service should the application choose? (Single choice)

- A. Stand-alone
- B. Primary and secondary
- C. Cluster

11. Huawei is a major contributor to the container open source community and a leader in the container ecosystem. It is a startup meeting of the CNCF Foundation Member, platinum member, Kubernetes community contribution domestic first, third in the world, but also the domestic first Manufacturer of Windows Container and Gene Container Service GCS.

True

False

12. The name of Huawei Cloud Enterprise Integration Platform ROMA means "all roads lead to Rome", which can connect enterprises IT systems, data, messages, APIs, devices, and cloud services provide a unified application and data integration platform.

True

False

13. Blockchain is a versatile technology that can replace databases and the Internet. Huawei blockchain service (Blockchain Service, BCS), is a high-performance, high-availability and high-security for enterprises and developers Blockchain technology platform services, suitable for data transactions, identity authentication, new energy, Internet of Vehicles, supply chain Traceability and other scenarios.

True

False

14. HUAWEI CLOUD container has the advantages of fast startup speed, small resource occupation, high operating efficiency, etc., rapid expansion and calmness Responding to the sudden impact of large traffic, fundamentally avoided "official announcement" downtime.

True

False

15. Today's digital transformation in various industries is facing all-round integration challenges, and Huawei's ROMA integration platform can support

"ABCD" is fully integrated. What does "B" mean?

- A. Devices: Cross-device integration, device-to-device, OT and IT integration
- B. Application: cross-application integration, application to application, data, message, API, process integration
- C. **Business: Cross-enterprise business integration, cross-enterprise data exchange**
- D. Clouds: Cross-cloud integration, collaboration between public cloud to private cloud, and multi-cloud

16. The value of the blockchain is to establish trust between organizations that do not trust each other, reduce transaction costs, and increase transaction costs.

Ease efficiency and promote mutual trust. Which of the following descriptions about blockchain is wrong?

- A. Blockchain features: distributed ledger, written into the ledger through multi-party consensus, non-tamperable, traceable, public Transparent
- B. Blockchain value: promote trust, reduce transaction costs, and improve efficiency
- C. HUAWEI CLOUD blockchain platform BCS is open, easy to use, efficient, and secure
- D. **Blockchain is a versatile technology that can replace databases and the Internet.**

17. Container technology is the key to enterprise cloud strategic transformation, and it is also the core of Cloud Native. Mind, which of the following is not the three major benefits of containers?

- A. Improved resource utilization
- B. Second-level flexibility
- C. Environmental consistency and simplified delivery
- D. **Increase in complexity**

18. At the HUAWEI CONNECT 2018 conference, Huawei officially released the Huawei Cloud Intelligent Edge Platform (Intelligent EdgeFabric, IEF) and Atlas 500 intelligent small station, providing from AI chips, intelligent Full-stack capabilities from hardware to edge cloud services. Which of the following are not part of its typical application scenarios?

- A. Anping surveillance scene. Through video pre-analysis on the edge side, video screens such as parks, residences, and supermarkets can be realized
- B. Real-time perception of security events and monitoring linkage in monitoring scenarios Industrial visual scene. The visual model trained in the cloud is deployed on the edge to realize real-time product prediction. Improve inspection efficiency and improve product quality Predictive maintenance of industrial manufacturing.
- C. Predictive maintenance of equipment is a typical scenario of industrial IoT, and the edge can Pre-process large amounts of data in time and use edge model prediction to improve equipment operation and maintenance efficiency and reduce equipment Unplanned downtime
- D. **Remote disaster tolerance. Connect the user's local data center and HUAWEI CLOUD's VPC through a cloud dedicated line to cooperate with the VPC Cross-AZ deployment**

enables users' data and services to be backed up to different regions, achieving the purpose of remote disaster recovery

19. In 2018, the "Double Eleven" reached its tenth year, and it has evolved into a nationwide platform for all e-commerce platforms. Which of the following services can be applied to e-commerce "promotion" and "rush buying" scenarios?

- A. Cloud Container Engine CCE: Flexible elastic scaling strategy to cope with changing sudden surges.
- B. Microservice engine CSE: Support microservice interface-level SLA indicator monitoring and governance (load balancing, automatic capacity Error, service degradation, service current limit) to ensure continuous service of application operation. Application performance management
- C. APM: Provides application performance tracking capabilities from end to cloud, through the application of panoramic topology, Real-time monitoring and fast fault diagnosis.
- D. Cloud performance test CPTS: one-stop performance test solution, e-commerce rush to buy real scene simulation, advance Found system bottlenecks.

20. ServiceStage is a one-stop full-stack cloud native application development and management platform. Which advantages can support the creation of the strongest cloud-native PaaS service?

- A. Container: The strongest AI container platform, a complete hybrid cloud/multi-cloud solution (cluster federation), K8s Open source community leader
- B. Microservices: service-oriented architecture, agile DevOps
- C. Development pipeline: help companies quickly build application Alpha, Beta, Gamma, and production environments
- D. APM/AOM: full link, real-time monitoring, AIOps

21. Which of the following are the characteristics of microservices?

- A. Small: small granularity and focus on one thing
- B. Alone: separate process
- C. Lightweight: Lightweight communication mechanism, HTTP/REST interface
- D. Loose: Loosely coupled and independently deployable

22. HUAWEI CLOUD PaaS insists on the company's proposition in the field of open source "from open source, higher than open source, and giving back to open source", Continue to innovate based on cloud-native technology to promote a prosperous ecosystem. The following are the contributions of PaaS in the open source field Yes?

- A. Container field: CNCF start-up member, platinum member, Kubernetes community contribution domestic first, global third
- B. Microservice field: Self-developed microservice framework ServiceComb, the industry's first top-level Apache microservice project
- C. Blockchain field: joined the Hyperledger community in 2016, the maintainer of Fabric and STL, Only in Asia
- D. Kubernetes ecology: In response to industry problems in gene sequencing and edge scenarios, open source container technology One-stop gene sequencing computing framework KubeGene and a management framework based on Kubernetes architecture platform KubeEdge

28. Which of the following Huawei Cloud services are not in the scope of PaaS?

- A. DevCloud
- B. ECS
- C. Cloud Desktop
- D. ServiceStage

29. Which services are the internal capabilities of the enterprise open to the outside world through API?

- A. Google Map
- B. salesforce.com
- C. Weather data from the Meteorological Bureau
- D. Real-time and historical stock market information

30. Application performance management (APM) supports non-intrusive performance data collection, which can be used without modifying the business code Can be easily accessed.

- True
- False

31. PaaS is divided into APaaS (Application PaaS, application PaaS) and GPaaS (General PaaS, General PaaS). GPaaS's capabilities cover: orchestration and deployment, monitoring operation and maintenance, container engine, microservices, Engine, software warehouse, middleware, function service, etc.

- True
- False

32. A software developer specializing in small and micro financial systems has a large number of users, but due to the current The operating mode is mainly based on selling licenses, so it is necessary to configure pairs for customers scattered across the country. This has caused a lot of waste of operation and maintenance costs. The company wants to change this business model, Which solution can be used?

- A. Use cloud middleware to transform software architecture and improve efficiency
- B. Software SaaSization is correct
- C. Application microservices solution
- D. Use serverless function computing platform

33. NIST (National Institute of Standards and Technology, American National Standard And Technology Research Institute) summarized PaaS as an application-oriented core platform, from the definition of function and core value  
Look, what are the characteristics of PaaS?

- A. Provide standardized programming frameworks and services to enable continuous development and integration
- B. Application automation operation and maintenance (including configuration, upgrade, scaling, etc.) without perception of underlying resources
- C. Including computing services, storage services and network services, etc.
- D. Automatically obtain cloud resources for application deployment

34. What benefits can business bring after using containers?

- A. Suitable for agile scaling scenarios
- B. Shorten the application launch time
- C. Reduced application deployment costs
- D. Improved security for business

35. Distributed systems have the characteristics of transparency, scalability, concurrency and openness.

Right  
Wrong

36. Which of the following are not part of Huawei Cloud PaaS middleware services?

- A.DMS
- B. DCS
- C. RDS
- D.DDM

37. HUAWEI CLOUD Middleware DCS can meet the business demands of users for high read and write performance and fast data access, but Insufficient compatibility with mainstream cache engines (Redis, Memcached, Ignite).

Correct  
Wrong

38. Which of the following scenarios are typical DCS application scenarios?

- A. Event caching of social applications
- B. The user login information**
- C. Static pages
- D. Push notifications

39. Which of the following scenarios are typical application scenarios of DMS?

- A. Handling user upload tasks**
- B. Report generation**
- C. Log transfer**
- D. Push notifications**

40. DDM, as the distributed database access service at the back end of RDS, uses the technology of read-write separation and data fragmentation. The technology can withstand PB-level data volume and million-level concurrency, ten times the number of single-machine database connections.

Correct

**Wrong**

41. Which of the following scenarios are typical application scenarios of DDM?

- A. Social networking site friend relationship data**
- B. Chat data of social applications**
- C. Internet user information**
- D. SMS verification code

42. DDM middleware can be used to replace the Redis service in the original application in the process of application transformation to the cloud.

Correct

**Wrong**

43. The use of cloud service middleware to transform applications requires a lot of code changes, and the cost of transformation is very high.

Correct

**Wrong**

44. Comparing self-built components with cloud services, cloud services are easier to use, reliable and maintenance-free.

**Right**

Wrong

45. Which of the following Huawei Cloud middleware services can solve the asynchronous message decoupling problem of business applications?

- A. RDS: relational database service
- B. DDM: Distributed database service
- C. DMS: Distributed message service
- D. DCS: Distributed Cache Service

46. Which of the following are the key features of Huawei's DCS service?

- A. Standard specifications: support stand-alone, active and standby modes
- B. Elastic expansion: One-click elastic expansion, transparent to the business, and unaware of the business
- C. Data reliability: data persistence and backup and recovery ensure high data reliability
- D. Autonomous operation and maintenance: Pre-provide a large number of monitoring indicators, support custom monitoring thresholds and alarm strategies

47. An ECS virtual machine can only run one container.

Correct

Wrong

48. Are the following descriptions about Kubernetes wrong?

- A. Kubernetes is Google's open source container cluster management system, built on Docker technology
- B. Kubernetes cannot manage the life cycle of the container
- C. Kubernetes provides cross-node service discovery and load balancing
- D. Kubernetes' self-healing mechanism makes the container cluster always run in the state expected by users

49. Huawei CCE cloud container engine currently only supports Huawei FusionSphere and open source OpenStack.

Correct

Wrong

50. Which of the following are the key features of Huawei's CCE cloud container engine?

- A. Apply full-stack modeling
- B. Resource attribute description
- C. Resource scheduling algorithm
- D. Cross-aaS resource management

Personally think it is ABCD

●'Key features:

- 1. Application full-stack modeling: Obtain the association relationship between application instances based on the full-stack model;
- 2. Resource attribute description: Multi-dimensional label description on the resource, such as indicating the purpose of use;

- 3. Resource scheduling algorithm: According to the relationship between application instances, determine whether to deploy with affinity or anti-affinity, And deploy the application instance to the resource matching the label to ensure that the application still has high performance after distributed deployment, And meet the SLA requirements.
- 4. Cross-I layer resource management: support FusionSphere, OpenStack, Vmware,...

51. Compared with virtual machine clusters in bare metal private cluster application scenarios, container deployment density has increased significantly.

Right

Wrong

52. Which of the following are the application scenarios of Huawei CCE?

- A. Stateful container applications
- B. Stateless container applications
- C. DevOps continuous delivery
- D. Automated operation and maintenance and high availability

(Not sure 100%)

53. Docker's resource limit uses Linux's Cgroup feature

Right

Wrong

54. Huawei Container Cloud Engine supports statefull container applications and stateless container applications.

Right

Wrong

55. Which of the following does not belong to the service advantage that Huawei CCE provides for stateful containers?

- A. Data persistent storage
- B. Support a storage type
- C. Multiple instances can share storage
- D. Data will not be lost when the container instance fails or is migrated

56. What are the components that contain application construction and configuration information when publishing Docker-based container applications?

- A. Docker image
- B. Docker registry
- C. Docker file
- D. Docker Hub

57. Which of the following scenarios are applicable to cloud container engines?

- A. Scenarios for the gradual transformation of traditional IT architecture
- B. Scenarios with obvious fluctuations in business load
- C. Scenarios for reducing resource costs
- D. Scenarios for improving business online efficiency

58. The functions of the Huawei Microservice Engine CSE include microservice operation and maintenance lifecycle management.

Correct

Wrong

59. What are the main modules of the Huawei Microservice Engine CSE?

- A. Microservice Management Center
- B. Consistency management
- C. API Gateway
- D. Service Configuration Center

61. Which of the following is the goal of the microservice engine CSE?

- A. Microservice development life cycle management
- B. Full microservice lifecycle management
- C. Lifecycle management of microservice launch or online
- D. Microservice operation and maintenance lifecycle management

62. When a ticketing website carries out a big promotion, the website is easily paralyzed due to the huge amount of instant visits. In response to Traffic peaks, which of the following microservice governance methods can effectively cope with this scenario and prevent the system from overloading and crashing?

- A. The current limit
- B. Load balancing
- C. Fuse
- D. Disaster tolerance

Multiple choice

63. What are the deployment methods supported by the microservice engine CSE?

- A. Manual deployment
- B. Automatic deployment to third-party cloud platforms
- C. Pipeline one-click deployment
- D. Orchestration and deployment based on AOS applications

64. What challenges will the microservice architecture face?

- A. Inevitable extension of lead time
- B. Distributed system, high complexity
- C. Partitioned database architecture, data consistency is difficult to guarantee

D. The correlation between services increases, and the complexity of operation and maintenance increases

65. On the topological map of HUAWEI CLOUD application operation and maintenance, different colors represent the health of the instance. The colors are determined by Apdex value is determined. If the instance color is gray, what does it represent?

- A. The instance is normal
- B. The instance is not called by other applications
- C. This example is sub-health
- D. All instances of the service are faulty

67. Using the log function of HUAWEI CLOUD application operation and maintenance service, operation and maintenance personnel do not need to log in to the nodes in the cluster. Download the log, you can view and search the log online to locate the problem.

Right

Wrong

68. The probe technology of APM non-intrusive data collection is passive monitoring, which does not consume CPU and memory.

Correct

Wrong

69. On the topological diagram of HUAWEI CLOUD Application Operation and Maintenance, as shown by the arrow in the figure below, the circle is divided into three segments, but the length of the three paragraphs is different. What does it mean?

- A. Three faults are monitored
- B. There are three Tomcat instances, but the load imbalance between the instances
- C. The microservice was called three times
- D. All instances of the service have failures, and the number of failures is different

72. Monolithic applications can use middleware.

Right

Wrong

73. Based on Application Orchestration Service (AOS), automated operation and maintenance of applications can be realized.

Correct

Wrong

75. Applications are evolving to CloudNative, and microservices are the de facto standard of CloudNative.

Right

Wrong

76. Use the log query function of HUAWEI CLOUD application operation and maintenance service to analyze the problem, which can only be viewed on the operation interface. The application log cannot be exported to the local view.

Correct

Wrong

78. In the IoT industry, the amount of data transmitted by devices is very small and usually has a fixed time interval. In this case, the utilization rate of CPU is very low. In order to save capital, which solution of Huawei Cloud PaaS can be used Program?

A. Serverless function computing platform

B. Application microservices solution

C. Capability Opening API Gateway

D. Apply the SaaS transformation plan

80. When the business does not require high availability of the cache, and want to lower the cost, you should choose for the application at this time Which of the following types of Huawei Cloud Distributed Cache DCS service?

A. Single machine

B. Active and standby

C. Cluster

D. None of the above

81. HUAWEI CLOUD distributed database middleware DDM service is a distributed data access service before ().

A. DCS

B. DMS

C. RDS

D. Oracle

83. Among the capabilities provided by the microservice engine, which of the following is related to microservice discovery?

A. The registration center

B. Configuration Center

C. Governance Center

D. Service monitoring

84. If you develop a microservice based on Huawei CSE Java SDK from scratch, which way is recommended? Create a microservice?

A. Migrate to the cloud after local development

B. Pipeline

C. The project on the cloud

D. Service Mesher method

86. Which of the following cache engines does Huawei Cloud Distributed Cache DCS service include?

- A. Redis
- B. Memcached
- C. IMDG
- D. MySQL

87. Which of the following are container engines?

- A. Docker
- B. rkt
- C. Warden
- D. eclipse

88. What are the advantages of the services provided by Huawei CCE for stateful containers?

- A. Data persistent storage
- B. Multi-instance data sharing
- C. Support a storage type
- D. Data will not be lost when the container instance fails or is migrated

89. What are the benefits of microservice architecture?

- A. The boundaries of service modules are clearer: Microservices emphasize modular structure (REST interface calls), which Large teams are very important.
- B. Support independent deployment: Simple services are easier to deploy. Since services are autonomous, they will not Will cause the system to crash.
- C. Simple operation and maintenance: Stateless, self-service operation and maintenance makes the system do not need a mature operation and maintenance team (mechanism), extremely The earth saves costs.
- D. Allow technical diversity: With microservices, you can mix and use multiple programming languages and development frameworks  
And data storage technology.

92. Which of the following are the uses of middleware? (Multiple choice)

- A. Support for very large scale applications
- B. Support massive access
- C. Support massive data
- D. Module asynchronous decoupling
- E. Hot data cache

93. Which of the following is not a benefit of using cloud middleware services? (Single choice)

- A. Out of the box
- B. Reliable and safe
- C. Automatic upgrades and patches
- D. After using middleware services, companies need to invest a lot of manpower to maintain middleware software

94. Which of the following are the key features of DCS services (multiple choice)

- A. Flexible specifications
- B. Compatible with open source
- C. Flexible expansion
- D. Reliable data
- E. Autonomous operation and maintenance

95. When the business needs a highly available, highly reliable data cache, but does not require a high-standard data cache At this time, which type of DCS service should the application choose? (Single choice)

- A. Stand-alone
- B. Primary and secondary
- C. Cluster

96. Which of the following are the key features of DDM services? (Multiple choice)

- A. The business is not interrupted, and the horizontal split and smooth expansion are automatically completed.
- B. It can withstand PB-level data, a million-level concurrency, ten times that of a single-machine database connection.
- C. The cluster is highly available and automatically recovers from failures in seconds.
- D. Compatible with MySQL protocol
- E. Compatible with Oracle protocol.

97. Huawei is a major contributor to the container open source community and a leader in the container ecosystem. It is a startup member of the CNCF Foundation and a platinum club Member, the Kubernetes community contributes first in China and third in the world. It is also the first domestic Windows container and gene content The manufacturer that serves GCS.

Right

Wrong

98. The naming of Huawei Cloud Enterprise Integration Platform ROMA means "all roads lead to Rome". It can connect enterprise IT systems, data, Messages, APIs, devices, cloud services, provide a unified application and data integration platform.

Right

Wrong

100. HUAWEI CLOUD containers have the advantages of fast startup speed, small resource occupation, high operating efficiency, etc., rapid expansion and calm response to emergencies. The impact of large traffic fundamentally avoided "official announcement" downtime.

Right

Wrong

101. Nowadays, digital transformation in various industries is facing all-round integration challenges. Huawei's ROMA integration platform can support the comprehensive "ABCD"

- A. Integration, what does "B" mean?
- B. Devices: Cross-device integration, device-to-device, OT and IT integration
- C. Application: cross-application integration, application to application, data, message, API, process integration Business: Cross-enterprise business integration, cross-enterprise data exchange
- D. Clouds: Cross-cloud integration, collaboration between public cloud to private cloud, and multi-cloud

103. Container technology is the key to enterprise cloud strategy transformation, and it is also the core of Cloud Native. Which of the following Three benefits of not belonging to containers?

- A. Improved resource utilization
- B. Second-level flexibility
- C. Environmental consistency and simplified delivery
- D. Increase in complexity

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105....In the tenth year of Double Eleven in 2018, it has evolved into a national carnival for all e-commerce platforms. Excuse me Which of the following services can be applied to e-commerce "promotions" and "rush to buy" scenarios?

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108. HUAWEI CLOUD PaaS adheres to the company's proposition in the open source field, "from open source, higher than open source, and rewarding open source", based on cloud native Continue to innovate in technology to promote a prosperous ecosystem. The following are the contributions of PaaS in the open source field?

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- C. Blockchain field: joined the Hyperledger community in 2016, the maintainer of Fabric and STL, the only one in Asia
- D. Kubernetes ecology: In response to industry problems in gene sequencing and edge scenarios, open source a one-stop shop based on container technology KubeGene, a gene sequencing computing framework, and KubeEdge, a management framework based on the Kubernetes architecture platform

109. What are the advantages of CCE? (Multiple choice)

- A. Diverse ecological access
- B. Enhanced commercialization features
- C. Fully open native platform
- D. High-performance infrastructure

111. Huawei Container Cloud supports node affinity and anti-affinity, and supports application affinity and anti-affinity.

- A. Correct
- B. Error

112. Which of the following is not an advantage of the container (single choice)

- A. Fine-grained resource isolation through shared kernel
- B. Defines the delivery and deployment specifications of environment-independent standards
- C. Use Hypervisor to achieve a more effective use of hardware resources.
- D. Quick start and stop in seconds

114 Independent unit to provide services

- Right
- error