**Docker Practice Questions:1**

1) Which command will allow you to execute and commit the results of any command in a new layer on top of the current image?

a)FROM

b)RUN

c)CMD ans: b)RUN

d)INIT

2) What does the EXPOSE command do?

a)Informs docker to listen to all ports

b)Informs docker which directory container will expose to public on at runtime

c)Informs docker which network ports the container will listen on at runtime ans: c)

d)None of the above

3) Which default directory will docker store its image layers?

a) /run/layers/docker

b) /etc/docker/storage

c) /tmp/docker/layers ans: d)

d) /var/lib/docker/<storage-driver>/layers

4) What is the minimum number of managers nodes required for HA setup ?

a) 1 node

b) 2 nodes

c) 3 nodes ans: c)

d) 4 nodes

5) Which command will allow the user “John” to run docker commands without needing elevated privileges?

a) usermod –aG docker john

b) service start docker –enabled ans: a)

c) chown –R john:john /var/lib/docker

d) None of the above

6) Which command will allow the user to monitor the state of the docker daemon service?

a) cat /var/run/docker/info

b) service docker status=info

c) docker get status

d) systemctl status docker ans: d)

7) Which docker network interface will be used by default when you run a new container using “docker run” command?

a) docker0

b) bridge0

c) overlay0 ans: a)

d) eth0

8) Which of the following commands will automatically start the docker service on boot?

a) systemctl enable docker\

b) system start docker --on–boot=true ans: a)

c) service docker–ce on-boot=true

d) docker-ce --enable-on-boot

9) Which file contains the information of the PID(Process ID) of the docker service when it is running?

a) /run/docker.pid

b) /run/docker.sock ans: a)

c) /var/lib/docker/docker.pid

d) None of the above

10) Which UNIX socket file does docker used to determine which account can use the service?

a) /opt/run/docker.sock

b) /tmp/run/docker.sock ans: c)

c) /run/docker.sock

d) /run/docker/daemon.sock

11) Which file can be configured to modify the default docker storage driver?

a) /var/lib/docker/devicemapper.conf

b) /var/lib/docker/storage.conf

c) /etc/docker/daemon.json ans: c)

d) /var/lib/docker/volumes/driver.json

12) Which file can be configured to modify the default Docker logging driver?

a) /etc/docker/daemon.json

b) /var/lib/docker/logging.conf

c) /etc/docker/log.json ans: a)

d) /var/log/docker/daemon.conf

13) Which command will build a Docker image named “myapps:latest” using the Docker file available in the current directory?

a) docker build . --name=myapps:latest

b) docker build myapps:latest –t .

c) docker build –t myapps:latest . ans: c)

d) None of the above.

14) What command can be used to login to the docker repository “docker-registry.example.com” using user “john”?

a) docker login --username=john --server-url docker-registry.example.com

b) docker login --username=john docker-registry.example.com ans:b)

c) docker login -u john -h docker-registry.example.com

d) None of the above.

15) Which of the following commands will allow you to run an interactive shell on a running container?

a) docker run -it [containername] /bin/bash ans: d)

b) docker ssh [containername]

c) docker exec -d [containername] --interactive /bin/bash

d) docker exec -it [containername] /bin/bash

16) Which of the following commands will allow a user to view all member nodes of Docker swarm clusters when run on one of the manager nodes?

a) docker node ls ans: a)

b) docker node --show-members

c)docker swarm node show

d)None of the above

17) Which command can be used to display logs of a service in Docker swarm?

a) docker logs --service=[SERVICE NAME]

b) docker service cat --logs[SERVICE NAME]

c) docker service logs[SERVICE NAME] ans: c)

d) None of the above.

18) Which of the following commands will allow you to scale the service called ‘frontend’ to FIVE replicas?

a) docker service scale frontend=5

b) docker service scale --replicas=5 frontend ans: a)

c) docker run frontend --scale=5

d) docker scale swarm --nodes=5

19) Create a service called ‘webapp’ that contains three replicas based on image called “tomcat-custom”.

a) docker service create --name tomcat-custom --replicas 3 webapp

b) docker service create --name=webapp --number=3 tomcat-custom ans: d)

c) docker service start name=webapp replicas=3 tomcat-custom

d) docker service create --name webapp --replicas 3 tomcat-custom

20) Which of the following will list all the service processes currently running in a swarm cluster?

a) docker service ps

b) docker swarm service --list

c) docker ps –a ans: a)

d) docker swarm --service-list

21) Which of the following commands will allow you to get token needed for a ‘manager’ node to join an existing cluster?

a) docker swarm get-token manager ans: b)

b) docker swarm join-token manager

c) docker swarm token-retrieval --manager

d) None of the above

22) Which command allows you to leave a swarm when executed from the intended node?

a) docker swarm leave

b) docker swarm rm node

c) docker swarm unregister ans: a)

d) All of the above.

23)Which of the following command will allow you to scale the number of replicas in your swarm to SIX?

a) docker service scale [SERVICE NAME]=6 ans: a)

b) docker service replicas=6

c) docker scale swarm --nodes=6

d) docker swarm nodes=6

24) Which of the following commands would remove a service called ‘myapps’ on your cluster?

a) docker rm --service myapps

b) docker service rm myapps ans: b)

c) docker rm myapps

d) None of the above

25) Which of the following commands would temporarily stop a service called ‘myweb’ on your cluster without actually removing it?

a) docker service scale myweb=0 ans: a)

b) docker service stop myweb

c) docker service rm myweb

d) docker rm myweb

26) Which command will create a swarm service called ‘my\_api’ based on an image called ‘httpd’?

a) docker service create --name httpd my-api ans: c)

b) docker run --name my\_api httpd

c) docker service create --name my\_api httpd

d) None of the above

27) Which command will remove a service called ‘my\_apps’ from the running swarm?

a) docker service stop my\_apps

b) docker swarm remove my\_apps

c) docker service rm my\_apps ans: c)

d) docker rm my\_apps

28) Which of the following are the correct forms to use the CMD instruction on Docker file(Choose three)?

a) CMD [“executable”,”param1”,”param2”] ans: a,c,d)

b) CMD param1,CMD param2

c) CMD [“param1”,”param2”](as default parameters to ENTRYPOINT)

d) CMD command param1 param2

29) Which command will drain a specifies node to prevent future services to run on it?

a) docker node update --availability drain [NODE ID]

b) docker node drain=[NODE ID] ans: a)

c) docker node --availability=down --node=[NODE ID]

d) None of the above

30) What does DTR stand for in Docker EE?

a) Docker Team Repository

b) Docker Trusted Repository ans: d)

c) Docker Team Registry

d) Docker Trusted Registry

31) Given a token called ‘kdhglgjdighhsdfdf637’ and a manager listen on 10.0.1.100:2237, which of the following commands would allow a node to join a swarm cluster?

a) docker swarm join --token kdhglgjdighhsdfdf637 10.0.1.100:2237

b) docker swarm join swarm ip 10.0.1.100 –token kdhglgjdighhsdfdf637 ans: a)

c) docker swarm --token = kdhglgjdighhsdfdf637 –ip=10.0.1.100

d) docker join swarm token kdhglgjdighhsdfdf637 –manager=10.0.100

32) Which command can be used to pull a “nginx” with tag “latest” image from a default public repository?

a) docker pull nginx:latest

b) docker push nginx:latest ans: a)

c) docker download nginx:latest

d) docker get nginx:latest

33) Which of the following resources would be removed by the “docker system prune –a” command?

a) All stopped containers

b) All networks not used by at least one container

c) All volumes not used by at least one container ans: a,b)

d) All of the above

34) What is the name of the docker swarm features that enable each node in the swarm to accept connections on published ports for any service is running in the swarm,even if there’s no task running on the node?

a) ingress-haproxy ans: b)

b) routing mesh

c) Shared-nnetwork

d) f5-loadbalancer

35) Which of the following commands will allow you to get the token needed for a ‘worker’ node to join an exixting cluster?

a) docker swarm get-tokens worker

b) docker swarm join-token worker ans: b)

c) docker swarm token-retrievel –worker

d) All the above

36) Which command will restore the ‘drain’ task applied to a node so that it can be scheduled again for services?

a) docker swarm –node=[NODE ID] –set-active ans: b)

b) docker node update –availabilty active [NODE ID]

c) docker node undo [NODE ID]

d) docker node set-active[NODE ID]

37) Which of the following commands would clean up ALL container from a docker host?

a) docker image remove –all –force

b) docker rmi –all

c) docker system prune ans: d)

d) docker rm –f ‘docker ps –a-q’

38) Which of the following parameters would you use to allow the containers to have access to the host filesystem when using the –mount options?

a) type=host

b) bind=local

c) type=mount ans: d)

d) type=bind

39) What is the content of a client bundle zip that was downloaded from UCP (choose all that apply)

a) account security key

b) docker client binary

c) Environment variables files to set the connection destination ans: a,c,d)

d) UCP certificate files

40) What does UCP stand for in the Docker EE?

a) Universal Control plane ans: a)

b) User Control plane

c) Universal Control Panel

d) User Control Panel

41) When publishing a container service ports “80” using –P option,which ports will Docker open on the hosts?

a) The same ports as the container if available,otherwise it will try to use the closest port number

b) The same ports as the container if available,otherwise the operation fails

c) The –p option will not open any host port ans: d)

d) Random port numbers above port 32768 on the host

42)Which of the following network drivers will remove network isolation between the container and the Docker host and use the host’s networking directly?

a) host

b) docker\_gwbridge

c) overlay ans: a)

d) None of the above

43) Which of the following built in networks will connect multiple Docker daemons together and enable swarm services to communicate with each other?

a) Default

b) Host ans: c)

c) Overlay

d) Bridge

44) What command is used to stop a running container called “hello-world” without deleting it? Choose all that apply.

a) docker stop hello-world

b) docker stop container hello-world ans: a,c)

c) docker container stop hello-world

d) docker container pause hello-world

45) What does MTLS stand for?

a) Mini transport Layer System

b) Mutual Transport Layer Security

c) Main Transport Secure Layer ans: b)

d)None of the above

46) What is the main language used in docker?

a) Oracle

b) Java ans: c)

c) Go

d) C#

47) Which environment variable must be set on the host to instruct docker to ONLY download Docker trusted images?

a) DOCKER\_CONTENT\_TRUST=1

b) DOCKER\_TRUSTED\_CONTENT=1

c) DOCKER\_SIGNED\_IMAGE=1 ans: a)

d) DOCKER\_IMAGE\_TRUST=1

48) Which command will display ALL containers in a host,including the stopped one?

a) docker psaux ans: d)

b) docker run list container

c) docker container list all

d) docker ps –a

49) Which of the following commands will create a secret called “mysecret” using a file named “encrypted\_password.txt”?

a) docker register secret name=mysecret ./encrypte\_password.txt

b) docker secret create mysecret ./encrypted\_password.txt ans:b)

c) docker create secret name=myscret ./encrypted\_password.txt

d) docker create secret name=mysecret --from-file= ./encrypted\_password.txt

50) Which service does UCP 3.0 use for the application routing layer?

a) haproxy

b) f5

c) cisco router ans: d)

d) interlock