**DOCKER PRACTICE EXAM 4:**

1)What is the default service mode on docker swarm,if not specified?

a) replicated

b) global

c) unified ans: a)

d) standalone

2)What are the possible methods to deploy app containers on Docker EE?

a) deploy through UCP Web ui

b) deploy using docker client

c) deploy using kubectl ans:d)

d) All of the above

3)Which options can be added to reserve a given amount of memory and number of CPUs for a service?

a) –limit-memory and –limit-cpu

b) –memory and –cpu ans: c)

c) –reserve-memory and –reserve-cpu

d) –m and –c

4) Which option will enforce a service to only run on nodes with the label “region” set to “east” and will fail if no appropriately labelled nodes are availabale?

a) –constraint region==east

b) –region=east

c)—node-region=east ans: a)

d) –label region=east

5) Which option will try to spread tasks evenly on every node which has a “datacenter” node label attached to it,but will not fail if node appropriately labeled nodes are available?

a) --constraint datacenter

b) --label datacenter ans: c)

c) -- placement-pref ‘spread=node.labels.datacenter’

d) – spread datacenter=

6) Which command will rollback to the previous version of the service called “myapp”?

a) docker service update –rollback myapp

b) docker service rollback myapp

c) docker rollback service myapp ans: a)

d) None of the above

7) Which of the following command only removes stopped containers older than 24 hours?

a) docker container prune ans: d)

b) docker container rm –filter “until=24h”

c) docker rm --until 24h

d) docker container prune –filter “until=24h”

8) Which of the following commands will display information regarding the amount of disk space used by the docker daemon?

a) df –filter docker

b) docker system df ans:b)

c) docker disk usage

d) docker get diskusage

9)Which command can be used to get real-time events from the service?

a) docker system events

b) docker system logs ans:a)

c) docker system realtime-events

d) docker system info

10) Which command can be used to ensure a worker node has successfully joined a swarm,if run from the specified worker node?

a) docker node ls

b) docker swarm node

c) docker info ans: a)

d) docker get node

11) Which command will display logs for service called “helloapp”?

a) docker logs helloapp

b) docker service logs helloapp ans: b)

c)docker get logs helloapp

d) docker logs –service helloapp

12)Which command when run on a manager will list services running in the swarm?

a)docker get service

b)docker list service ans: c)

c)docker service ls

d)docker service list

13)Which port is used for communication between swarm nodes by default?

a)8080

b)443 ans: d)

c)21

d)2377

14)If you have UCP clusters with 5 managers how many managers can you choose and still be able to schedule services?

a)1

b)2 ans:c)

c)3

d)4

15)Which command will allow us to inspect the build cache history of an image?

a) docker image inspect <image id>

b) docker image cache<image id>

c) docker image history<image id> ans: c)

d) docker image ls –cache

16) which of the following instruction is not permitted to be used more than once in a Dockerfile?

a) FROM

b) RUN

c) CMD ans: c)

d) a and c

17)Which file,when present on context directory can increase the build’s performance by excluding irrelevant files and directories specified on it?

a).dockerignore

b).gitexclude

c).exclude ans: a)

d).skipthis

18) Which command will build an image and tag it into multiple repositories?

a)docker build –t example/myapp:1.0.3:example/myapp:latest

b)docker build –t example/myapp:1.0.3 –t example/myapp:latest ans: b)

c)docker build –t example/myapp:1.0.3 example/myapp:latest

d)docker build –t example/myapp:1.0.3:latest

19) Which Dockerfile instruction will add metadata to an image?

a)ARGS

b)ENV

c) LABEL ans: c)

d) METADATA

20) Which Dockerfile instruction will inform Docker that the container listens on the specified network ports at runtime?

a)EXPOSE

b)PORT

c)LISTEN ans: a)

d)PUBLISH

21)Which Dockerfile instruction will tell Docker how to test a container to check that it is still working?

a)TEST ans: d)

b)LIVERESPONSE

c)PROBE

d)HEALTHCHECK

22)What is the default logging driver for Docker service’s containers?

a)syslog ans: b)

b)json-file

c)rsyslog

d)None of the above

23) Which command can be used to create a secret to be used by the swarm orchestration?

a)docker secret create

b)docker new secret

c)docker add secret ans: a)

d)docker secret add

24)Which of the following statements is incorrect?

a)A volume can be used by multiple containers

b) You can create a volume on the fly when you run new containers with –v options

c)You can specify hostpath mount option on Docker file ans: c)

d)You can specify the volume to be Read Only

25)Which command will create a service named “test-service” based on “nginx:latest” Image,that uses a volume named “myvol” mounted /app inside the container?

a) docker service create –name test-service –mount source=myvol,target=/app nginx:latest

b) docker service create –name test-service –v myvol:/app nginx:latest ans:a)

c)docker service create –name test-service –volume myvol:/app nginx:latest

d) b & c correct

26) Which network adapter will be used by default when you run “docker network create my network”without additional parameters?

a)overlay

b)overlay2 ans:c)

c)bridge

d)host

27)If containers “c1” are only attached to default network, container “c2” only attached to “my-bridge” network and container “c3” attached to both the default network and “my-bridge”. Which of the following statements is true?(choose 3 answers)

a)c1 can reach c2 through it’s ip address

b)c2 can reach c3 through it’s hostname

c)c1 can reach c3 through it’s hostname ans:a,b,d)

d)c3 can reach c1 through it’s ipaddress

28) Which command can be use to list the published ports of a container?(Choose 3 answers)

a)docker port

b)docker ps

c)docker network ans: a,b,d)

d)docker container inspect

29) Which command can be used to remove an existing network named “my\_bridge”?

a)docker rm my\_bridge

b)docker rmi my\_bridge

c)docker network rm my\_bridge ans: c)

d)docker rm –network my\_bridge

30)Which command will connect the specified container to the specified network after the container is running?

a)docker network connect <network name><container name or id>

b)docker network attach <network name><container name or id> ans :a)

c)docker create network <network name><container name or id>

d) )docker create add<network name><container name or id>

31) Which command will change the certificate rotation period from the default of 90 days(168 hours) to one week, and rotate the certificate now?

a) docker swarm ca --rotate –cert 168h

b) docker swarm ca --rotate --cert –expiry 168h ans:b)

c) docker ca --rotate --cert-expiry 168h

d) docker rotate ca --cert-expiry 168h

32) Which command will promote two worker node named “node-a” and “node-b” into manager nodes?

a) docker node node-a node-b --promote

b) docker node node-a promote node-b

c) docker node modify node-a node-b role=manager ans: d)

d) docker node promote node-a node-b

33)If you run “docker network create --driver overlay my\_overlay”,when does the driver actually created on the swarm nodes?

a) It will be created on all nodes only when the command is executed.So it won’t be available on new nodes created after.

b) when the command is executed and additionally created when new worker nodes are added.

c) when the service that is using “my\_overlay” is scheduled on a node,the driver will be created on the specified node.

d)None of the above ans: c)

34) Which of the following are the 3 main Docker Container Network Model components?(Choose 3 answers)

a)Sandbox

b)Endpoint

c)Network ans: a,b,c)

d)Tunneling

35)Which command will create a container with custom DNS server(s)?

a) docker container create --dns=IP\_ADDRESS

b) docker container create --dns-search=IP\_ADDRESS

c) docker run --add-dns=IP\_ADDRESS ans: A)

d) docker container create --resolve=IP\_ADDRESS

36)Which network driver is the best when you need containers running on different Docker hosts to communicate?

a) macvlan

b) Host networks

c) overlay networks ans: c)

d) User-defined bridge networks

37)What is the Docker EE networking feature that allows you to specify information in the HTTP header which UCP uses to route subsequent requests to the same service task,for applications which require stateful sessions?

a) Session Stickiness

b) HTTP Routing mesh ans: a)

c) Interlock

d) haproxy

38) What is the Docker EE networking feature that allows you to Publish a service’s port and makes the service accessible at the published port on every swarm node?

a) Session Stickiness

b) HTTP Routing mesh ans: b)

c) Interlock

d) haproxy

39) Which environment variable needs to be set on the OS to sign an image before pushing it to the repository?

a) SIGN\_DOCKER\_IMAGE=1

b) DOCKER\_IMAGE\_SIGN=1 ans: d)

c) NOTARY\_SIGNING=1

d) DOCKER\_CONTENT\_TRUST=1

40) Where is the Role Based Access Control configuration available?

a) docker client

b) docker swarm command ans:c)

c) Universal Control Plane

d) b and c correct

41) Which of the following options when added to ‘docker container inspect’ command will show JUST the IP address of a running container?

a) --show-ip

b) --format=”{{.NetworkSettings.Networks.bridge.IPAddress}}”

c) --limit=IPAddress ans: b)

d) None of the above.

42) Which tools can be used to deploy multiple containers using one configuration file without creating a cluster?

a) kubernetes

b) dockerd

c) docker toolbox ans: d)

d) docker-compose

43) A user reported that a service called “myweb” is not working properly.Your cluster is still using the default logging drivers. Which command should you use to gather information for troubleshooting?

a) docker service logs myweb

b) docker logs myweb

c) cat /var/log/messages | grep myweb ans: a)

d) cat /var/log/docker

44) Which of the following commands will allow you to display the token and command needed to join the existing cluster as a worker?

a) docker swarm list-tokens ans: B)

b) docker swarm join-token worker

c) docker swarm token --worker

d) None of the above

45) Which of the following commands will display all of the base images available on local docker storage?

a) docker list

b) docker view imagesans ans: C)

c) docker images

d)docker list image

46) In what format is the output printed to terminal when you run ‘docker inspect [container name]’ command(by default)?

a) JSON

b) YAML ans: a)

c) CSV

d) HTML

47)Which of the following statements is not true?

a) you can attach multiple volumes on a container

b) you can attach multiple networks on a container

c) you can attach a volume to multiple containers ans:d)

d) you can install multiple version of dockers in one host

48) Which command can be used to remove an image even if that image has containers that are based on it?

a) docker image remove –all

b) docker rm [image name] --force

c) docker rmi [image name] --force ans: c)

d) docker remove [image name]

49) Which option ,when provided to a container at startup,will automatically clean up the container and remove the file system when the container exits?

a) --clean-up

b) --rm ans:b)

c) --exit

d) --delete-on-exit

50) Which restart policies will make the docker daemon try to restart the container indefinitely and also always start on daemon startup, regardless of the current state of the container?

a) on-failure ans:c)

b) unless-stopped

c) always

d) no