**DOMAIN -1-4**

**Questions : 40**

**Duration : 30 minutes**

1.The 'docker' service can be queried for its state (whether it is stopped or running) with which of the following commands?

Choose the correct answer:

* docker status ûnow
* service docker status=true
* systemctl status docker
* cat /run/docker/runtime

2. Which command will enable the 'user' account to access the Docker application, and the system resources necessary to execute Docker commands, without needing elevated privileges?

Choose the correct answer:

* usermod -aG docker user
* None of the Above.
* systemctl restart docker enable-user=user
* echo 'user' > /etc/group

3. Which of the following commands will display a summary of the system configuration as seen by the Docker service?

Choose the correct answer:

* docker info
* docker show syslog
* docker init
* docker setup system

4. Which of the following configuration files can be used to override the default Docker logging driver?

Choose the correct answer:

* /var/lib/docker/daemon.conf
* /var/run/docker.pid
* /etc/docker/daemon.json
* /etc/docker/key.jso

5. What information is contained in the '/run/docker.pid' file when the Docker service is running?

Choose the correct answer:

* The Programming ID of the Docker Application when built.
* None of the above.
* The process name of the Docker service.
* The PID (Process ID) of the Docker service.

6. Which directory will contain the Docker image storage layers (by default) on a host?

Choose the correct answer:

* /var/lib/docker
* /tmp/docker/storage
* /opt/docker/layers
* None of the above.

7. Which of the following commands will enable and start the Docker CE service?

Choose the correct answer:

* systemctl enable docker && systemctl start docker
* service docker-ce start=true
* system start docker --true
* docker-ce run

8. Which of the following are requirements for Docker to run but are NOT installed as dependencies? (Choose all that apply)

Choose the 3 correct answers:

* device-mapper-persistent-data
* yum-utils
* lvm2
* storage-utils

9. Which file, owned by Docker in the /run directory, determines which accounts can use the service?

Choose the correct answer:

* /run/docker.sock
* /run/docker/privileged
* None of the Above.
* /tmp/docker.pid

10. Which of the following configuration files can be used to override the default Docker storage driver?

Choose the correct answer:

* /var/lib/docker/daemon.conf
* /var/run/docker.pid
* /etc/docker/daemon.json
* /etc/docker/key.jso

11. Which of the following commands will allow you to interact inside a container and will NOT cause the container to stop when you exit the running shell?

* docker attach [containername]
* docker run -d [containername] /bin/bash
* docker exec -d [containername] --no-exit /bin/bash
* docker exec -it [containername] /bin/bash

12. When creating a Dockerfile intended to be used for local image creation in the current directory, which of the following commands will build the file into an image and create it with the name 'myimage:v1'?

* docker build myimage:v1 -t .
* None of the above.
* docker build -t myimage:v1 .
* docker build-image -t . myimage:v1

13. What Dockerfile option LABEL does?

* Label a container that will run as an executable
* Provide defaults for an executing container
* Tells Docker how to test a container to check that it is still working
* Adds metadata to an image

14. Which of the following Dockerfile options creates a mount point with the specified name and marks it as holding externally mounted volumes from native host or other containers?

* RUN
* VOLUME
* WORKDIR
* ONBUILD

15. What docker image prune command does?

* Show the history of an image
* Display detailed information on one or more images
* Remove one or more images
* Remove unused images

16. What Dockerfile option EXPOSE does?

* Informs Docker that the container listens on the specified network ports at runtime
* Label a container that will run as an executable
* Adds metadata to an image
* Expose defaults for an executing container

17. What does docker image rm command do?

* Show the history of an image
* Remove one or more images
* Display detailed information on one or more images
* Remove unused images

18. Dockerfile option EXPOSE publish the port to external systems. True or false?

* False
* True

19. Which of the following docker image commands display detailed information on one or more images?

* docker image history
* docker image detail
* docker image inspect
* docker image ls

20. Which of the Dockerfile options executes any commands in a new layer on top of the current image and commit the results?

* ONBUILD
* CMD
* RUN
* FROM

21. When run on the master, which of the following will list all the service processes running in a swarm?

* docker service --list-PID
* docker service ps
* docker swarm --list services
* docker swarm --service-list

22. One of the commands below will drain the indicated node so that future services will not run on it unless the command is undone (when run from the manager node).

* docker node update --availability drain [NODE ID]
* docker node drain=[NODE ID]
* docker node --availability=down --node=[NODE ID]
* None of the Above

23. When run on the manager node, this command will remove the indicated node from the swarm it is a member of.

* docker swarm rm --node=[NODE ID]
* docker node rm [NODE ID]
* docker node --remove [NODE ID]
* docker rm --node=[NODE ID]

24. Create a service called 'my\_api' with one of the following commands as if it is being run on the manager node based on a locally installed image called 'httpd'.

* docker service create --name my\_api httpd
* docker create service --name my\_api httpd
* None of the above.
* docker create --service=my\_api httpd

25. Once a node in a cluster has been marked 'down', which of the following commands will allow you to remove that node from the cluster?

* None of the above.
* docker node --leave [NODE ID]
* docker node rm [NODE ID]
* docker node --exit [NODE ID]

26. Which of the following commands will allow you to retrieve the command needed for a node to join a cluster?

* docker swarm list-tokens
* docker swarm token-retrieval --all
* None of the above.
* docker swarm join-token worker

27. One of the following commands, when executed on one of the master nodes, will display the logs for the indicated service running on the swarm.

* docker logs --service=[SERVICE NAME]
* docker service cat --logs [SERVICE NAME]
* docker service logs [SERVICE NAME]
* None of the above.

28. Choose the command that will remove a service called 'my\_api' from the running swarm.

* docker swarm remove my\_api
* docker swarm --remove=my\_api
* docker service rm my\_api
* docker rm my\_api

29. Which of the following commands will allow you to scale the number of replicas in your swarm to FIVE once the cluster is already running?

* docker service scale [SERVICE NAME]=5
* docker swarm nodes=5
* docker service replicas=5
* docker scale swarm --nodes=5

30. Which of the following commands will allow you to scale your service, called 'my\_api', from whatever its current replica count is to TEN replicas in the cluster?

* docker history [image id]
* docker scale swarm --nodes=5
* docker service scale --replicas=10
* docker service scale my\_api=10

31. Which of the following built-in network drivers is often referred to as the 'Host Only' network driver?

* None
* Host
* Docker\_gwbridge
* Overlay

32. Which of the following built in network types has 'swarm' level scope?

* Overlay
* None
* Bridge
* Host

33. When publishing a container/service's service ports (like HTTP port 80) to the underlying host(s) with the -P option, which ports will Docker map the container ports to?

* The same ports as the container if available, otherwise the operation fails
* The same ports prepended with '80' (i.e. port 80 becomes 8080)
* The -P option does not remap container ports to the host
* Port numbers above port 32768 on the host

34. What is the docker command to connect a running container to an existing user-defined bridge?

* docker network connect
* docker network attach
* docker connect network
* docker network join

35. What is the docker command to display detailed information on one or more networks?

* docker network inspect
* docker inspect network

|  |
| --- |
| * docker network status |
|  |

* docker network display

36. Which network driver type is best when the network stack should not be isolated from the Docker host, but you want other aspects of the container to be isolated?

* Macvlan networks
* Overlay networks
* Host networks
* User-defined bridge networks

37. Which of the following docker command can be used to find out all the ports mapped? (select three)

* docker network ls
* docker inspect
* docker ps
* docker port

38. What is the docker run option to publish a port so that an application is accesible externally?

* docker run --publish-port
* docker run --open-port
* docker run –publish
* docker run –expose

39. Which network driver type is best when you need multiple containers to communicate on the same Docker host?

* Overlay networks
* Macvlan networks
* Host networks
* User-defined bridge networks

40. Which network driver type is best when you are migrating from a VM setup or need your containers to look like physical hosts on your network, each with a unique MAC address?

* Overlay networks
* Macvlan networks
* Host networks
* User-defined bridge networks