**Exam Details**

* 55 multiple choice questions in 90 minutes
* Remotely proctored on your Windows or Mac computer
* Available globally in English
* USD $195. ( Around Rs 16,888 all-inclusive of GST )
* Results delivered immediately.

**Register:**

Please use the below link to schedule your DCA exam.

<https://prod.examity.com/docker/>

**Step : 1**

Create Login id and password.

**Step : 2**

Update your Profile

**Step : 3**

Make sure you verify your [Computer Requirements](http://prod.examity.com/systemcheck/ComputerReadinessCheck.aspx)

* Web camera
* MicroPhone
* Operating system Windows 10
* Browser Edge
* Internet Speed

Step : 4

Schedule your DCA exam

* Select Program name
* Select Exam name
* Select Date and Time

**Security Procedures** - The following security procedures will apply during the examination:

* No notes or books will be allowed
* You may not exit the room during the examination.
* Access to all personal items, including, but not limited to, electronic devices (including mobile phones), watches, food and beverages, cameras or other recording equipment, bags, briefcases, purses, and notes will not be allowed during the examination.
* No smoking, eating, or drinking will be allowed during the examination.
* Copying or communicating examination content is a violation of security regulations. Either one may result in the disqualification of examination results and may lead to legal action under copyright Docker.
* **Identification Requirements** - You must provide a proper form of identification: One form of identification must be a VALID form of government-issued identification (e.g., Driver's License, State ID, Passport) which bears your signature, your full legal name, and your photograph. A second form of identification may be required. If required, such identification must have your signature and full legal name. All identification provided must match the name on the registration form and your Examination Eligibility Form. Failure to provide ALL required identification at the time of the examination is considered a missed appointment, and you will not be able to take the examination at such time. In such case, you will forfeit your examination fees. NOTE: If you recently changed your name, or if your last name includes a generation indicator (e.g., Jr., III), be sure that your name is the same on your education verification, your examination registration form, and each of your required forms of identification.
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**Sample Questions:**

1. Which of the following commands will automatically create a volume when a container is started
2. Docker container run –name nginx –volumes=/app nginx
3. Docker container run—name nginx –v myvol:/app nginx
4. Production ready device- mapper configuration for the docker engine.
5. Create a volume group in device mapper
6. Nothing, device –mapper comes
7. What command can be used to login to the docker repository “docker-registry.example.com” using user “john”?
8. docker login --username=john --server-url docker-registry.example.com
9. docker login --username=john docker-registry.example.com
10. docker login -u john -h docker-registry.example.com
11. None of the above.
12. Which of the following will list all the service processes currently running in a swarm cluster?
13. docker service ps
14. docker swarm service --list
15. docker ps –a
16. docker swarm --service-list
17. C1, c2 in default bridge network, c3,c4 use defined bridge network. Which are all the statement true to communicate each other?
18. C1 and c2 with hostname & c1 and c3 with IP address
19. C1 and c2 with ip address & c2 and c3 with hostname
20. Annie facing some issues in her swarm cluster, After leaving the particular node from swarm, how will you verify that node is successfully removed?
21. docker node ls
22. docker node --show-members
23. docker swarm node show
24. None of the above
25. Created a service( nginx) with replicas=1, A tries to issue command docker service scale nginx=3. B tries to issue command docker service update –replicas 3 nginx.what will be the result. Choose the correct one.
26. Both operation will get fail.
27. A operation will get success but B operation will get fail
28. Both Operation will get success
29. How to build an image with multiple tag syntax
30. Docker build –t name1:tag1 –t name2:tage2 .
31. Docker build –t name1:tag1, name2:tag2 .
32. Docker build –name name1, name2 –tag tag1, tag2 .
33. Which environment variable must be set on the host to instruct docker to ONLY download Docker trusted images?
34. DOCKER\_CONTENT\_TRUST=1
35. DOCKER\_TRUSTED\_CONTENT=1
36. DOCKER\_SIGNED\_IMAGE=1
37. DOCKER\_IMAGE\_TRUST=1
38. There is some issue in running docker. What could be your first step to troubleshoot
39. Configuration path for Storage driver/Logging Driver?
40. Questions on Soft limit and hard limit
41. Containers running on different host and how will you connect with each other through networking concept?
42. Questions on Docker CLI commands. (3 to 4 Question).
43. Add and copy difference
44. CMD and entrypoint difference
45. In Bridge network, how will you connect the container to outside the world.
46. Running the container c1 with v1 volume. How can I run the container c2 with same v1 volume?
47. Pick the correct namespace which are disable by defaults?
48. Namespace
49. Control groups
50. How can I run the container with interactive mode which is already running state?
51. How will you rotate the secured key. Select the correct one?
52. Which command will restore the ‘drain’ task applied to a node so that it can be scheduled again for services?
53. docker swarm –node=[NODE ID] –set-active
54. docker node update –availabilty active [NODE ID]
55. docker node set-active[NODE ID]
56. which command will rollback the previous version of the service called “myapp”
57. docker service rollback myapp
58. docker service update –rollback myapp
59. docker rollback service myapp
60. List the command to view the disk space used by deamon
61. Docker disk usage
62. Docker system df
63. Docker system logs
64. None of the above
65. Which command will list the service running in the swarm?
66. Docker get service
67. Docker list service
68. Docker service ls

I gave my DCA exam on sep 1st 2018 and following are my exam experiences

**Standard rules for DCA exam**

* Alone in room
* Clear desk and area
* Connected to a power source
* No phones or headphones (I had my headphones but proctor asked to keep it outside)
* No dual monitors
* No leaving seat
* No talking
* Webcam, speakers and microphone must remain on throughout the test (you should not mute the microphone)
* The proctor must be able to see you for the duration of the test
* I had my driving license as my ID proof, I was asked by the proctor to show name and expiration date near webcam for verification
* I was asked to show the room and whole desk in camera before and also after the exam

**Sample questions:**

* Which of the following commands will automatically create a volume when a container is started

A. Docker container run –name nginx –volumes=/app nginx

B. Docker container run—name nginx –v myvol:/app nginx

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

1. docker service ps
2. docker swarm service --list
3. docker ps –a
4. docker swarm --service-list

* remove a node from swarm, how will you verify the removal **from same node?**

1. docker node ls
2. docker node --show-members
3. docker swarm node show
4. docker info

* Created a service( nginx) with replicas=1, A tries to issue command docker service scale nginx=3. B tries to issue command docker service update –replicas 3 nginx.what will be the result. Choose the correct one.

1. Both operation will get fail.
2. A operation will get success but B operation will get fail
3. Both Operation will get success

* 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

D. DOCKER\_IMAGE\_TRUST=1

* Theoretical difference between limit memory and reserve memory flags
* And one scenario based on limit and reserve flag
* You have 4 CPU and 2 Containers, 1st container should get 2 cpu and 2nd should get 2 cpu, achieve this using cpuset flag
* How to feed in secrets file while creating a service ?
* Difference between ADD and COPY
* When to use ADD and when to use COPY?
* Whether ENTRYPOINT can be overridden or not ?
* While running a DTR backup what and all will be included in the backup?
* Different modes of service discovery (vip & dnsrr )
* CLI command testing the understanding of **docker system events** command
* What default mode a service runs , replicated or global ?
* Which is used for resource isolation, namespace or cgroups or others?
* devicemapper production mode, loop-lvm or direct-lvm ?

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2. 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

c) docker swarm token-retrievel –worker

d) All the above

3.Which of the following command will allow you to scale the number of replicas in your swarm to 10?

a) docker service scale [SERVICE NAME]=10

b) docker service replicas=10

c) docker scale swarm --nodes=10

d) docker swarm nodes=10

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

a) 1 node

b) 2 nodes

c) 3 nodes

d) 4 nodes

5. What is the service that automatically starts serving all UCP components,including the UCP web UI and data stores used by UCP?

1. Ucp-daemon
2. Docker-engine
3. Ucp-agent
4. Docker-ucp

6. Which command-line flag will enable the user to create a new container mount from a specific volume?

1. –volume
2. –volumes-from
3. –mount-from
4. –mounted-in

7. Which one of the following option in LDAP authentication ensures that the only LDAP accounts,that exixt in UCP are those that have had a user login to UCP?

a)post-login User Provisioning

b) User-Defined User Provisioning

c) Auto User Provisioning

d) Just-In-Time User Provisioning

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

c) docker disk usage

d) docker get diskusage

9. Which command can be use to list the published ports of a container?

10. What are the types of service deployments

11. What command can be used to use same image in different host?

12. How do you prevent image tags from being overwritten on Docker Trusted Registry

13. Created a service( nginx) with replicas=1, A tries to issue command docker service scale nginx=3. B tries to issue command docker service update –replicas 3 nginx.what will be the result.

14. You have 4 CPU and 2 Containers, 1st container should get 2 cpu and 2nd should get 2 cpu,which command can be used?

a)—cpuset-cpu (1,3 2,4)

b)—cpuset-mems(1,3 2,4)

15. Different modes of service discovery

16.Configuration of device mapper in production

17.What are the components present in Client bundle ?

18.usage of add & copy

19.question on docker secret

20. 3 questions on daemon.json file configuration

21.questions on dockerd

22.diff b/w reserve memory and memory limit

23.What happen if DTR is in read only mode

24. 3 questions on docker commands related to orchestration

25.After performing docker swarm leave cmd how will you check node has left the swarm or not

26.You have created overlay network and 3 container. How will you connect the container to the host?

27. During Backup operation DTR backups which data?

28. Question on Namespace and Controlgroups