**1. List Running Containers**

**Script: list\_containers.sh**

bash

Copy code

#!/bin/bash

docker ps

**Command:**

bash

Copy code

bash list\_containers.sh

**2. Stop All Running Containers**

**Script: stop\_all\_containers.sh**

bash

Copy code

#!/bin/bash

docker ps -q | xargs docker stop

**Command:**

bash

Copy code

bash stop\_all\_containers.sh

**3. Remove Stopped Containers**

**Script: remove\_stopped\_containers.sh**

bash

Copy code

#!/bin/bash

docker container prune -f

**Command:**

bash

Copy code

bash remove\_stopped\_containers.sh

**4. Remove Unused Images**

**Script: remove\_unused\_images.sh**

bash

Copy code

#!/bin/bash

docker image prune -a -f

**Command:**

bash

Copy code

bash remove\_unused\_images.sh

**5. Build and Run a Container**

**Script: build\_and\_run.sh**

bash

Copy code

#!/bin/bash

docker build -t $1 .

docker run -d --name $2 $1

**Command:**

bash

Copy code

bash build\_and\_run.sh <image\_name> <container\_name>

**6. Monitor Container Logs**

**Script: monitor\_logs.sh**

bash

Copy code

#!/bin/bash

docker logs -f $1

**Command:**

bash

Copy code

bash monitor\_logs.sh <container\_name>

**7. Backup a Container Volume**

**Script: backup\_volume.sh**

bash

Copy code

#!/bin/bash

docker run --rm -v $1:/data -v $(pwd):/backup busybox tar czf /backup/$1\_backup.tar.gz /data

**Command:**

bash

Copy code

bash backup\_volume.sh <volume\_name>

**8. Restore a Container Volume**

**Script: restore\_volume.sh**

bash

Copy code

#!/bin/bash

docker run --rm -v $1:/data -v $(pwd):/backup busybox tar xzf /backup/$1\_backup.tar.gz -C /data

**Command:**

bash

Copy code

bash restore\_volume.sh <volume\_name>

**9. Scale a Service**

**Script: scale\_service.sh**

bash

Copy code

#!/bin/bash

docker service scale $1=$2

**Command:**

bash

Copy code

bash scale\_service.sh <service\_name> <replica\_count>

**10. Restart a Container**

**Script: restart\_container.sh**

bash

Copy code

#!/bin/bash

docker restart $1

**Command:**

bash

Copy code

bash restart\_container.sh <container\_name>

**11. Copy Files into a Container**

**Script: copy\_to\_container.sh**

bash

Copy code

#!/bin/bash

docker cp $1 $2:$3

**Command:**

bash

Copy code

bash copy\_to\_container.sh <local\_file> <container\_name> <destination\_path>

**12. Inspect Container Details**

**Script: inspect\_container.sh**

bash

Copy code

#!/bin/bash

docker inspect $1

**Command:**

bash

Copy code

bash inspect\_container.sh <container\_name>

**13. Export a Container**

**Script: export\_container.sh**

bash

Copy code

#!/bin/bash

docker export -o $2.tar $1

**Command:**

bash

Copy code

bash export\_container.sh <container\_name> <export\_file\_name>

**14. Check Container Resource Usage**

**Script: check\_stats.sh**

bash

Copy code

#!/bin/bash

docker stats --no-stream $1

**Command:**

bash

Copy code

bash check\_stats.sh <container\_name>

**15. Run a Container with Cleanup**

**Script: run\_with\_cleanup.sh**

bash

Copy code

#!/bin/bash

docker run --rm -it $1

**Command:**

bash

Copy code

bash run\_with\_cleanup.sh <image\_name>

These scripts can be saved into .sh files and made executable using the following command:

bash

Copy code

chmod +x <script\_name>.sh

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