**RedHat Cheat Sheets**

Chapter 3: Managing Containers

* Manage a container's life cycle from creation to deletion.
* Save container application data with persistent storage.
* Describe how to use port forwarding to access a container.

Chapter 4: Managing Container Images

* Search for and pull images from remote registries.
* Export, import, and manage container images locally and in a registry.

Chapter 5:

* Describe the approaches for creating custom container images.
* Create a container image using common ‘Containerfile’ commands.

|  |
| --- |
| sudo podman images |
| command to list the available images |

|  |
| --- |
| sudo podman search {image name} |
| command to search for image |

|  |
| --- |
| sudo podman pull {image-name} |
| command to download the image |

|  |
| --- |
| sudo podman run {image-name} |
| command to run the image |
| -d => to run a container as a background service.  **sudo podman run -d rhscl/httpd-24-rhel7:2.4-36.8** |
| -it => to starts a Bash terminal inside the container(view file system)  **sudo podman run -it ubi7/ubi:7.7 /bin/bash** |

|  |
| --- |
| sudo podman inspect -l |
| Show All info about the latest running container |

|  |
| --- |
| sudo podman inspect my-httpd-container |
| Show All info about the specific container |

|  |
| --- |
| sudo podman inspect -l -f "{{.NetworkSettings.IPAddress}}" |
| Show All info about the latest running container |

|  |
| --- |
| sudo podman inspect -l |
| Show All info about the latest running container |

|  |
| --- |
| sudo podman ps |
| displays the container ID and names for all actively running containers: |
| You can specify a custom name using  **sudo podman run --name my-httpd-container rhscl/httpd-24-rhel7** |
| -a => List all local containers including the stopped ones  **sudo podman ps -a** |

|  |
| --- |
| sudo podman stop {image-name} |
| Stop a specific container. |
| -a => stop all containers  **sudo podman stop -a** |

|  |
| --- |
| sudo podman restart {image-name} |
| Restart a container |

|  |
| --- |
| sudo podman rm {image-name} |
| Remove a specific container. |
| -a => remove all containers  **sudo podman rm -a** |

|  |
| --- |
| sudo podman rm {image-name} |
| Remove a specific container. |
| -a => remove all containers  **sudo podman rm -a** |