| Decker - |
|--|
| A platterm for building, swaning & Shipping applications. |
| form we need docker - |
| Che ose moso files |
| Comment of the commen |
| 3) Different configuration settings |
| Containers/Provens |
| I'm isolated sing for Idi As hotor is of a ratio |
| 2) All an application. (Pysical hardware). |
| active aronning multiple and & - |
| |
| 3) Are lightweight Nodell Han3 water Man2 |
| 4) Use OS of the host. 5) Start quickly. |
| 6) Need less horidocare repaired |
| Hypervisor - Used to 12 11 11 10 1 |
| Hypervisor - Used to manage virtual machines. |
| Bex Conty) Winder + Linex |
| 1 |
| Mac |
| |
| Dockey auchitecture - |
| |
| Chient REST API Server/Dockey Engine |
| Engline |
| |

| Kernel - It manages applications and hordware suponice |
|---|
| Note - All the containers shower Kennel of the system has |
| app Linexapplications Linexappeally Linex VM apps |
| windows Linx I mac |
| - Supported applications |
| |
| Install docker for version 20.10-5- |
| Google - Feltps: 11 docs docker om/get - docker |
| |
| Development work flow - |
| 1) Add docker file to the application |
| docker file & Plain text file contain instruction |
| 2) Addred package of the application into a image 3) Image Contains - |
| i) (Image) A cut down OS |
| 11) A suntine Env. (6g-node) |
| il') Application files |
| V) Ens variables |
| V) ENO VICTORIAND |
| Dockey Actions - |
| Commando - |
| mkdiy thello-dockey |
| Code: |
| |
| |

| NS code Editory |
|--|
| A) create five named appris in some disc. |
| (pp. 18) |
| Consolo log ("Hollo Dockey!"); |
| command fine to same div. |
| node app. is |
| Op- Hello Dockey! |
| |
| Instruction - |
| 1) Stard with an OS |
| 2) Install note |
| 3) Copy app files |
| 3) Copy app files 4) Run node app.js |
| |
| B) treate file named Dockerfile in some dos |
| (DOCK BATH YE) |
| og FROM linux - Base mages (like inhertence) |
| 1 FROM node |
| liner distribution |
| i) FROM node: alpine |
| 11)COP 7 · 1 app |
| inp CMD node app. is |
| ind WORKDIR Japp |
| Terminal Commands - |
| i) dockey build-t hello-dockey. |
| ii) dockey images 18 |
| (ii) dockey your hello-dockey |
| |
| relay to docker hob - (online) |
| stetuyn to docker hub - (online) (Sign in) -) release "codewithmost" repo: |
| |
| |
| |

| Docker playground - |
|--|
| of deriver and se ve |
| & docker own code with most / hello-dockery |
| |
| Linux commands fare docker (Preferred) - |
| |
| Linux distributions Distros |
| 1) Obunto (Oséva) |
| a) Debian |
| 3) Alpine |
| 4) Fedaleg |
| 5) Centos |
| |
| back to Rub. daker. com/ / ubunto (install). |
| command i) decker son de ubanda |
| 11) darker ps -a |
| III) docker run -it ubjust |
| roof: /# Ectro hello |
| Op-helo |
| scool : Ht whoging |
| 0/b - 0/00l |
| 200 f: 1# Echo 50 |
| of birl bosh |
| |
| op- 1. * Triporty or! (Past commands will be off |
| a. whoqui |
| 3 Echo \$0 |
| 4. history |
| Stoot : 1# 12 |
| Off 1. Whoani |
| d. Echo \$0 |
| |
| |

Managing packages Package managers - (tool for open) 1) npm 2) Jam 3) pip 4) nuget (- root : 1# opt Most used commands list - list packages based on package names search - search in package descriptions & how - Show package deleils install - install packages reinstall - reinstall " Hemore - nemove autoriemore - remove automatically all unused " Update - update list of available packages upgrade - upgrade the system by installing [upgreading") fulloppede - Upgrade the system by removing/installing/ Upgreding Edit-Bources - East the source information file postsfy - satisfy dependency strings roof: 1# apt-get ay read: [# nano ax (if not available) root: It and install nano root: 1# gpt list Hoot : 1# apt up above Proof: # apt viemave nano

| sucot: 1# python |
|---|
| 2000t: 1# |
| |
| Linux File system - |
| |
| Windows - C: |
| * Recognium Files |
| * Windows |
| |
| Linux - / - (Backplash) |
| bin - binary files. |
| |
| * dev - strong tox devices |
| · Areibe test |
| Table 18 Class |
| 108/ 0180 |
| i horayi sh |
| * Voy - Short for variable |
| * peoc - file represent running processes |
| |
| Novigating the file system - |
| rest: /# pwd |
| db - |
| Scot: # 15 |
| ofp - (packages list) |
| 200+: 1+ ls -1 |
| 900f: [# lb-l |
| olp- (long lipt) wood : 1# cd bood etc/9 |
| dp- adduser-conf afternatives/ apt/ |
| db- dago ses. com anternantes/ db/ |

sucot : # cd etc/apt/ scoot: / etc/apt # ls root: / etc/apl # cd :-/.. 2001: 1# rat: Hls of packages) Manipulating files and discertagies root: # Gd v Droot: with mildion lest doot: not lo Op - test Troot: N# DN lept docker Jeoof: MH ls Olp-docicer Hoof: WH to id dockery reat: 60 docker # touch hello. bet Used for creating multiple - (xt files to) roof: of darkey # sim hello-bet an root: Midockerett orm file * fire removing tales ar dis Editing & viewing files -Good :# nano root : # apt install nano root: # nano file 1. tel secot: # Op opfilel. bet sucht out cot files. (xt

Hello

goot "# mode root: n# more /etc/adduper. conf recet : vitt apt install less scot: on# less root: n# Ress letel adduser. conf suport: n# head -n & lete ladduser . conf scoot: w# Sail -n 5 leteladouser conf Redidection scoot: v# cof file 1. txl Op- Hello " World Good: intt col file 1. txt > filed. txt vinct: vitt la -l/ets > files. txt rest: v# cale files. Ixt