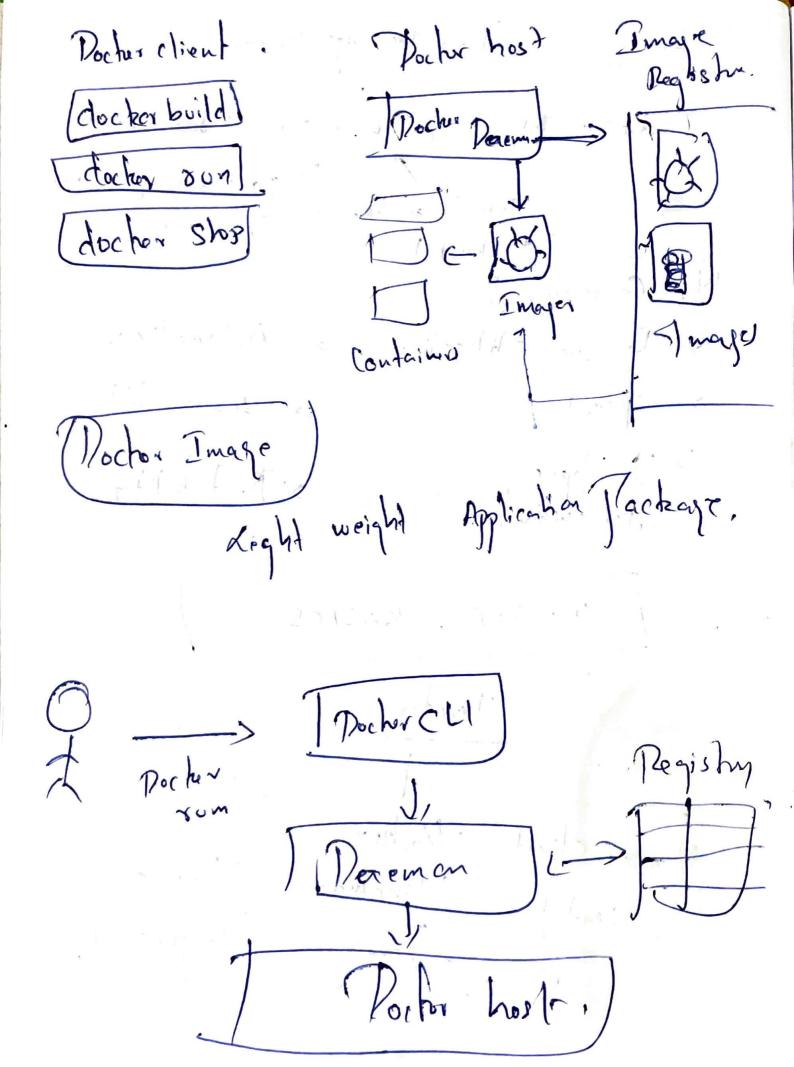
Con-langed Applications 11/23 Aws (outainer Bundles APP S System libs Ylade as an executables Open Plad form for - KINSHIP OCI - Open Containinged Anihablue Thallown Heubral Specs. larkos Docker Enque \_ Rely on & resources. dronky. dinor Kernel Namospace, limitation)

Virhaliza bion Confainer Appl Jappe Apps Map 1 Bins By By 13 mg quest 65 Guess Rocher Engine Hypervisor 1 Host OS 100) Host O'S Server W Server Fres Container Can Use How resource M. Nons Require - Same Os Jum. dots of hardwar Less Resource Mocalian, memora, dess time (quick) epus - Optimization of Resources . - portability.

| Docker Rum                            | - Rons the applica | about              |
|---------------------------------------|--------------------|--------------------|
|                                       | Toun - P 80 9 8080 |                    |
| - H                                   | Make it available  | post 8080 form tue |
| kly Confain                           | Make it available  | Container          |
| 1                                     | Ohlizahan >        | Automation.        |
| > speech                              | ,                  | Scalability        |
| > Product                             | hoily >            | Portability,       |
|                                       | CKER BASICS        |                    |
| · · · · · · · · · · · · · · · · · · · | Dochor             |                    |
| Dorber Cliv                           | ret Pocher         |                    |
| (client)                              | Paemar<br>Server   | Dogietry.          |
| , ,                                   | Card               | J                  |



Roctorfile Roctor Layer Doctor imagre Bunado up A Lot of Kayess. So this Kayers might be used accross Other image. 1 App 4 \ App 4 Agache. Apacher Socker of mode Souses Union file Syster.

| Portile. Klorking with Container)           |
|---|
| From 2 Base image >                         |
| WORKDIR & DIR >                             |
| 1) Doctur image le -> liste du Doctur Image |
| 3 Docher 800 (-d)-p) L >: L> 9mge           |
| deluched                                    |
| Mode  |
| (3) doctor exec -it scontains et            |
| docher Shop / Container )                   |
| 3 Kaunch Containir with eno variable!       |
| docker run -e Home=/Nocal mint/dambha       |
| - P 8080: 8080 < 9 mg Name >                |

| 6) To make a file available inside Container.  |
|--|
| clocher run - v ~/input.txt:/applinput.txt   |
| -P 8000: 8080 < Image name >   |
| Ex-1 Create a Container  Aws Cloudy Instance   |
| Dynamo DB table  |
| Aws ChudFormation:   |
| 1) -> How can we run a Container in Aws ECS  Flashic Container Service  - Faut Container Management Service  - Manage Container on cluster |
| @ Amazon Ec2? Amazon Elastic Compute Cloud.  |
| - provides Grapuling Capacity in AWS<br>- No need of Handware for ur development   |
| we can use this to lownch as many the  |
| Vichel Servers as we read  |
| - Virhal Compuling Env -> Instance.  |

| - 8 bruge Volum -s temp, so it your med  |
|--|
| Permanant shorage - Use Amagon Elastic Block   |
| Permanual Short  |
| glare.   |
| Aws Cloud Formation  |
| - Service That helps us model ?  |
| ANS Recources.  - We can Create a template that describes  - Cos instance (d)  |
| - We Can Create a templat  |
| all the Aws resource (Kite Amoreon Ecz instaine 100)   |
| a demail   |
| 1 a muisianin and  |
| - This takes cause of 13000130   |
| This takes cause of provisioning and Configuring Thoses resource for US.   |
| TOURS TOE 2 ON WINE  |
| Aws Clouds -> IDE  Aws Code Commit  is Shored  here.   |
| Aws Cocketon here.   |
| · les all land   |
| The state of the s |
| Aus EC2 eme instance d   |
| Aws clouds can   |
| 1  |
| Compular + IDE in (Aws Cloud9)   |

Boows ex

Registry -> Tenishy is the place where we shore the Protor images. For exam -> Docherhub. for private Regimy! ECR (Flashic Contains Registry) FCR - Public. for public Registry: AWS App Runner: - Just a way to sun our Cantainingsel app on Aws infra. - we need to supply a I mage name kas, app source con - App runner it creaks all the in fra need to hors! Our app. 2 supplies htlp endpoint

in all of the straight in

And the state of the state of the state of the state of

| AMAZON ELASTIC CONTAINER SERVICE                            |
|---|
| Amongon Ecs -> Fully managed Confiner Orchestration Service |
|   |
| Amazon Ecz  [111]  Container  Container                     |
| Ecs handles fire schooling & placement                      |
| a Containers on the clusters.                               |
| - Compute Resource com be EC2 instance<br>in your account.  |

AWS Kambola: 15 a Serverbes Compute service.

Tust To know

- (1) Aws Batch: A service for your batch Compubing workloads
- Amazon Sage Mahr: Service la build, train and de play ML models.
- 3) AWS Tot Preengrouss: Runhime and Cloud Service For osto build, manage e deploy our.
- 4) Aws Code build: July managed Continuous Integration Service trat Compiles Sovice Code, von tests ?

  produces solhours package que tems
- & scaling web development. Handles the deployment ? configuration q EC2 instances, doad bandances, autoscaling & health nanibrity