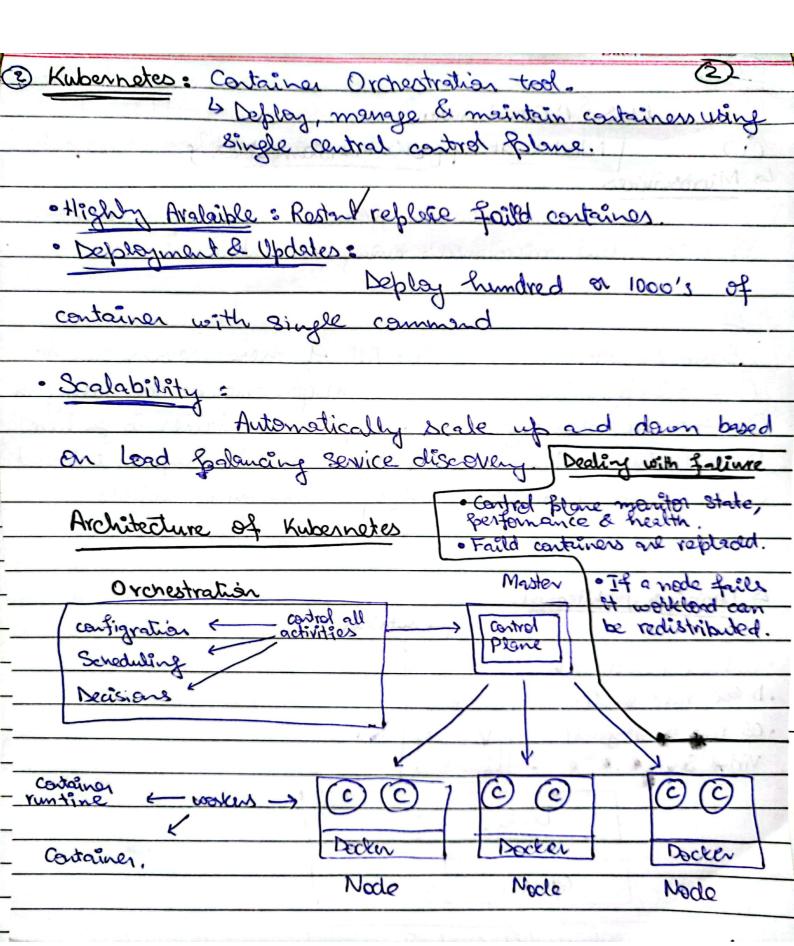
	Date:
The state of the s	or O your of the sale world
EKS & A Cloud Guru 3	133 - New
	S Fundamentals 3 Jali
Ly Microservices:	000(00000000000000000000000000000000000
="Many modron o	application made up of bunch
of independent microconvices r	ing sate in a sa
1996 2 Sciol William Street	and in assignment
10C	and the state of t
tomerse website	-All of these serices can be
O → Shopping Cart	a seprate microservice runing in
O → Reconcidation Engine 6	différent container. So you have
D→ Product Review	seprate modular component instead
D→ Marketig prefrances	of a bismonolithic wabsite.
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The second of th	
4 Container Architecture	newortherto y 0
shot division co house / (> co	itainer
· Continue rus on Dorken [Code]	I wind the
· bother runs on OS [Libraties]	the second of the second of
· OS rus on Physical Vestual	
Virtual Server (Grand Kannel)	
	2200 - help - a constant
Docken	WARREST TO THE PARTY OF THE PAR
Operating System	a bold
Sperancy system	
Virtual / Chysical S	erker
VIVIAN P JSIGN 3	



3 EKS 101 (Flootic Container Service for Kubentation)
TILLY EXCHEL ;
TFeatures
i) Certified Kubernetes Conformant (No code modification reguired)
ii) Provision & Scalling Cluster:
According 11:100 17'S 3m
high avalys bility
high avallagibility (iii) Self-Healing: Autonatically detects replace unhealthy worker modes. Patching for the control plane
worker nodes. Patiching for the control plane
(4) Adventure et EKS
(IT) Kubernates Terminalogy
- In the while with it prive that he trapped you it the
deployment) -> How to reate instances of your container.
control Blane will schedule, monitor &
restant instances.
(E) LAP Overview , "" "
image -> The docker container image that
Service > Entose the service enternally (using an electic Lord balancer)
Service > Entose the sorvice enternally (using an electic Lord balancer)
Store your container Pelastic Container Registry
Store your container Artifectory
_ Docka Prub.
Compared to the second of the
Pode - Grp et on more container.
State of the state
Node - Pad's runs on node. Shared IP Space.

	Date:
(III) Eksctl:	
Simple tool to create	e delete and get
information about our chister	
man and and	
(IV) Kubetl	
. The K8s command line util	lity of the little of the litt
· Use to control Kubernetes Chis	te.
Advantages of EKS	
	Louis to 10 to our met. Tel
· It is deply integrated with many	1 of the feetunes of
Aws.	
Santa Service and the control of the	
carrie CLI wi	thisusan
E LAB Overview Kubonetes admin	use
i) Create IAM (K8 admin)	
(11) EC2/10001/VM	7 (1)
· Install Aws (4) (V2) · Install elseth will create and	Ouster Control Panel
· Install exactl will create	15 = 15
· Install Kubectl will will	1,11
CHANGE TO THE PARTY OF THE PART	Defloyment
(C) am	(C) Pod (nfinx)
$\uparrow \rightarrow (\equiv \}$	Load Balancer
user	\$ toad balancer is use to
A - Table of 12 Constant Day and Call Son	The second secon
	and outside want 12

Date:
(5) Prerequisites for EKS.
Som adain conkstation
i) Aws console (ii) Ecz/VM & Acts as admin workstation
1) HOUSE THE STATE OF THE STATE
Project 2 0422 2 2 project 10 1000 1000 1000 1000 1000 1000 1000
Trajes 242 de 1 de
1) Iam (Create User)
· Create user -> Pregramatic Access
· Attack policy -> (Admistration Access)
· Create use
1,000 10,50
(ii) Croate EC2 Instance
· Goto Ecz -> (Amogon Linux AMI) -> Notworking -> Ado arign IP (trable)
· Ubdate vession of AWS CLI -> 2
* Download AWS CLI V2 (curl) -> unzip
* Install AWS CLI V2 (using aus documentation)
** 0 0. A
* Install Kubectl (Vin Ausdoc) -> chmod +x ./ Kubectl -> sin_
* Install electe (Via Ames doc)
(iii) Create Chuster (using els)
eksetl create cluster name dev-cluster version 1.16
region us-east-1 node-group-name worker node-type t2. micro
nodes 2 nodes-min 1 nodes-man \$3 managed.
1/ Enable us to corect to Christer.
ans eks update-kuberanfig name dev-cluster region w-east-1

11 first create suc