Lec1
- Cloud Computing main components
1-Network with well-performing Computer -huve high throughput -
-hure high throughput -
2-Internet
3- Payment bused on how much I writized it.
The most famous cloud providers: Google Microsoft Amazon
- There are 3 models of the cloud:
- laus: Intrastructure as a Service. Paus: Plutform as a Service. Sous: Soflware as a Service.
I aas - , build a machine with un OS
Paas , luas + Middleware: Special
Paas , luas + Middleware: Special Bind of software that makes sure your applications run smoothly regardle your 0s.
2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1

week 1	1ec1
Saus you get a use	application,
you use the application heading to install it of	n your muchine
Private clouds: only	a certain
There are 3 types of a Private clouds: only Company linstitution a Company infra on the cloud	d is just for you
Community Clouds: hyb privete und public.	
-public clouds: you st infra with every body	hare the cloud
. Actual V3 Virtual	Servers
when you get a machine most probably it is a hyperbuild on top of huge big se many such muchines (tenant	on the Cloud,
build on top of huge big se	over, that hosts
many such muchines (tenan	ts[)
_ study P1-11-14 from - (chapter 1 page 11 o	the slides -
(chapter 1 page 11 o	ind 14 and 15)
And the second s	
-2-	

Week 1 Lec 2 web servers use to talk to each other. · Parts of a massage :-1. the request or the response line. 2- A header Section. 3 the body of the massage The HTTP methods (communeds): GEF or POST are the most famous. - HEAD: like GFT, but usk that only exhauder be returned -PUT: Request to stone the entity body - DELETE: Request removal of data at the URI LINK: Request header information be asociated with a document on _VNLINK: Request to undo a link reg _OPTIONS: Request information about Communications options on the server. Be returned as received. used for debugging

week 1	Lec 2
REST: Representational	State Transfer.
Elements of REST styl	c:
- Connectors (Client, e	Server etc)
- Vata (resource, rep.	resentation etc)
Client ouxaca weather	Resource
- REST bused web Serv	
Online shopping.	
- Seurch Sevices - Dictionary Services	
Go to puge 9 in Ge	orge-Ann REST file-
stateless: each request	- from client to
Server must Contain necessury to understun	all the intermation
· Client-server: a publi	1-based interaction
Style (client request a and when needed).	lata from Servers

Week 1 Lee 2
- Cache: to improve network efficiency
responses must be cupuble of being - lubated as cacheuble or not.
Uniform interface: all resources are
Coccessed with a generic interface. (e.g. HTTP GET, POST, PUT, DELETE)
Named resources: the system is Comprised of resources which are named using a URL.
Interconnected resource representation
the representations of the resources are
the representations of the resources are inter connected using URLs, thereby enabling a client to progress from one State to another.
-go to Paye 14-

· Serverless computing: an approach to Strucre design that allows developer to build and run Services without having to manage the underlying infrastructure salvais lande en lais en de la liste حتى أع الع من كلفي السحالة بتوفركي للمصلو - The cloud dynamically scale up and down recourses according to your current demands. برس و المصادر لو بقلوها بناداً على الاستقام - Serverless closst mean that there is no servers, it just mean that the developers don't need to care about the server they work in. · AWS Lambda is the serverless service from amazon microservices is an architectural design for building applications, each function in the application openutes in an independent Berver Zstyll is is is Misself sis Hils - priming of vis chesin