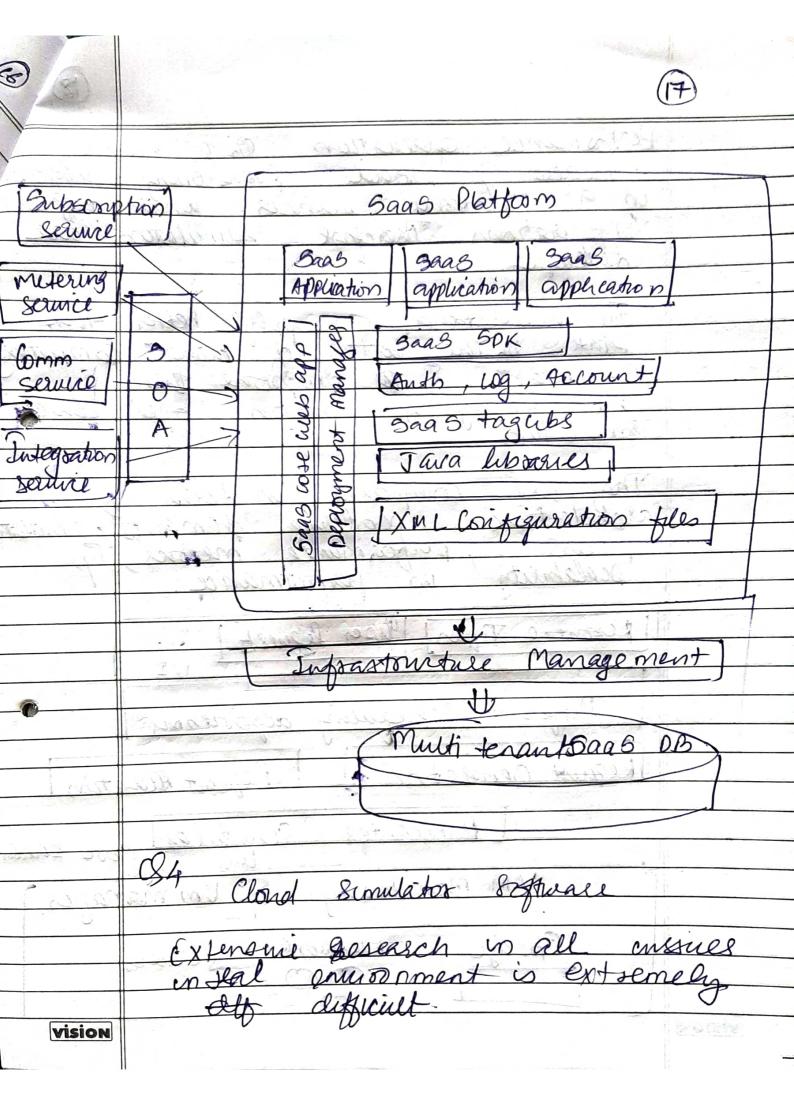
VISION

With the state of the state of

Openstack Thed party services Good foun Toronton Kupernetes Hooizon OpenStach SOK webuI Baremetal Vistual Contamore machines Graced network & Stronge resources & penstach Q2 Pags forunday Pag 5, which Clouds omenoook & application Vision

Acr que casies. aux obutions constances. Ecala, Spring Jana, Ruby, Choice of application services nessaging services Data services Dequires mc on Node 15 clouds Domate spong aoust Puphic Clouds VISION

This architecture bases the comminications byer on a Danie Omonted accentecture It is composed of several components Each Component is enterated on an Common week application: deployed as BAS Components manage & interact with web applications. Provides common libraries used by the applications are promoted by Each business Component exposes come Det & web purices that can be assumed through the platfoom VISION



Personance analysation of weakload prodels & cloud pronsioning algorith in a septestable nanner winder deficient Configurations. Therefore Simulators are discloped due lopes To understand g apply better the state of the art of alond computing smuletoss. E to simpsome them open sonice Smulators 4 They are compared in teams of architecture modeling gloments, simulate process performance metaces, y performance Resonere Types | User leguests | ... Different scheduling algorithms Request Generation Request Alocation Datacentes Schedules core enedantes unis larges

VM monitoring & VM manages. Storage network servers vision

Q5 Open source astorbuited systems Software Apeche Hadoop develops open source Software por veliable, scalable distributing distributed competting. Hadoop software library is a framavase that allows for distributed processing for large data sets across clusters of computers using smile programming model. Its designed to seale up from

Ample Belvers to Thom ands of

machines each opering local

Computation & storage. Rother than bely on Rardware to debuse high anxilibrity, the horary itself is designed to detect & brandle failures at the application En delivering a puglity available seemse on top of a clustes of computer lach o Johich may be prone to VISION

Distabiled map Reduce Hadoop distorbited File System Distorbished 8700age YARN Negotiato o Job De scheduling Resorte manages vision