· Cloud computing is the model from mablingukiquitous Convenie nt, on-demond network access to a shared pool of sesources that can be sapidly prousioned and seleased with mininal might effort or service provider organt. 2011, Timothy Creamce and Petler Melle SAAS | PAN Sale | IAAS SAAS > maintenance by CSP, no install, and sale of SAAS > maintenance by CSP, no install, To view por pesign, par, p S+P 3 Seurce Models PAAS - developersuse, flat few Azure TAAS - System arch +

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PUBLIC - gon public, Subscription, 4 Deployment Models PRIVATE - singling Azure, 18m gout, ENIC, 5 Characteristic features) L) HYBRID - Coogle Anthos C) commUNITY → GCC on demond self service Bload access n/w - amy loc Revource forling -> multi customer from some physical Ropid Clastility squick plovreion omd release elsources Storage, Measured service -, managed, tracked & controlled n/w, bond width, User 1 - Cloudlet 1 (...) WWS--Sh-[RO] [ROIL CSP, Data conter [User 2] - IC2) Tuser 3 C3 C3 -> CSPL [wer4]- [C4]() 19 Virtualisation logical name to Physical resource of returns a Cloudlet 2. Provides CG 1. located at edge features loce intermediatory cluster pointer , mulios to Chare h/w. > Hypervisor -> S/w ethat helps of tomp. b/ we user & cloud 3. leal-time to achieve Vi Istation, Resource Allo also

Virtualisation Parameters Scool Sender 1. Equi volence 2. security 3. Resporm Typeslogical - quest ontity soog mereg Imi, mesg struc, en, headu Bu - host AS, OS HARDWARG OVI studization RESTAPI & Moshup Market is a web application for that fetches info about configurable computing resources from the virtualized pool of CSP and praids to CSR, (2) Service Oriented Arch (3) arid compute not 4) Utility computing. Serve oriented tech Architechy Guidconputing · SOAP, Stateless & Statefull Restful API Web comme compres, -> 4 goal Do BEST (Representational state OR2 -> b2 CR3 -> 63 arch etyle Temsfer) GCUSCC Tuleb Services Dist c. Client Server services for archetyle scalable by one CSP to mother of constraints used to conflexible CSP or CSR over light weight, scalable & light weight, scalable & light weight we been constraints used to constrain · set of constraints used to deale a light weight, scalables maintable websery ofastletham SOAP Coded in XMI CEXTONS ve Markup HTTPS(443) HTTP (80) and time ported language Slees Shel veing SOAP acation & mainte (semple object orderly Record) of state at Sexuely dynamic Shic Web | Cloud Cookesx HTML-HTTP XML SOAP Sessions X dlign of tag L case - Sens browsh indep. SOM - Simple Object Access MoloCol. n/w plat used in a web service to comm data & [w 2 diff machines. XML - messgformat HTTI - data time.

Mist Calgeon Mist closer. cextends CC capabilly to edge of n/w touser for extension. Data Conter -> n/w of comp to the cloud whing that being computed that being computed to the closer user Broker -> regoliate comprisoners Cloublet -> Small scale data Conter located at edge of n/w 1. le contralization 2. fogrades -> cluries, surth Non-bull Aware Data Centre > Bit a Poull Au toheion Pour avare DC - oftimize for onliging & pour consump Frome of top level Container that down represents a window solve Actuatous -> action based on uplink : user -> data conte - I Bane. dounlinh: dala cercle - uses Panel > lightweight container components. Og Francl. freme No window all of on the frame.