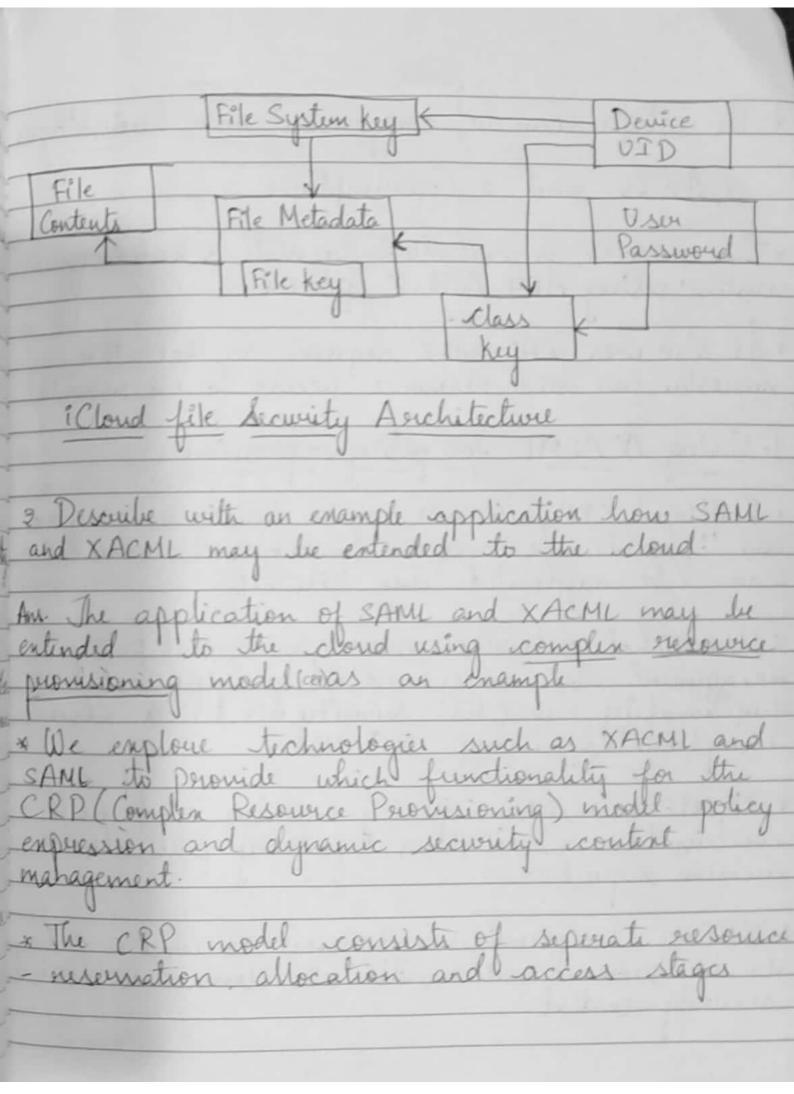
02/22/19 Assignment - 1 1. Describe with an enample application how information may be shared securely in the cloud. services like inferdstructure (IARS), Software (SAAS) and platform for organizations ranging from small to by Lack of security features had been a major drawball for cloud services, as confidentiality and integrity authentication is a major concern for inclustra Another problem is defining who and under which the data stoned on the cloud Usus believe that their information is confidential and protected from everyone just because it belong to them and ease their peroperty. But they often forget that the space where they store it is not their and it function by its own rules. The following are few ways in which cloud data can be shared securely. 1. Do not house sensitive information on cloud: * Always store cuitical information away from withel would and also read the usu agreement for the cloud service optid clearly 2. Consider passurouds very carefully: * dinest 90% passwords can be cracked in lasty few honers. This shows how important it is to chow your password for icloud service. The hest way is to we two- stop authentication and also use alpha numeric and special characters as passwords with minimum length of 10 charactures to make it sterong 3 Don't foorget to us encryption: any cloud somecer. The most easiest way is to zip a fill and encurpt it with password. Application of information shared securely: I Cloud: i Cloud in our apple initiative which provide industry standard security technologies and employs strict policies to perotect information of its cloud users. Its a leading industry by adopting perivacy preserving technologies like end to sha data encryption 1. Data security : 4. * Eclard secures its customers information while shaving by encrypting in its teransit.

an encuppted format using secured tokens. who uploaded the data on the penson shared the user shared the data with san access. * Apple end to end encuption uses two factor authentication as a means of additional security 2. End-to-end encuption data: * End to end encuption data provides the data security with a key derived from information unique to the users derive. A The end to end encuption is used for both transmitted data and stored data on cloud. The following are some of the data where end to encuption in applied. > Home data > payment information > Health data > wife and Stor network information * Messager and i Cloud back up are encrypted in similar



* The stages can be compressed into two stage 1. Access and 2. Consumption x This perocess is controlled by meta scheduling system using ADT Auth. Z policies. * It also uses AAA AuthZ sequence so that the sequestor can send suspice access to its sequesto J. Using XACML for policy expression: * Different CRP scenarios erequire for both complex can be supported by XACML. A Hierarichal resources management and policy management are considered very important functionality in CRP security. It is also implemented using XACMII. combination algorithms for any particular decision request. * XACMI also provides mechanisms to lind a politic to the suspende and handle its domain suchable security content

2. Adding security content management:
* The semantics of authentication ticket along
is defined in such a way that it allows ear
* The semantics of authentication licket elemements is defined in such a way that it allows easy mapping using SAMI and XACMI.
* The current implementation of a TAF 1,000 t
* The current implementation of gJAF support framework uses SAMI and XMI based authentication tickets
* Consider manage of i
* Session management in supported by auth Z session management system and triage PDP
2 TH 1 1 1
* The framework also user XACHIL POP extension called YOMS POP for general purpose emplementation.
SRV neguest (C. 10.
Sprid Services Config Ticket Cache
SRV neguest Grid Service/ Config Ticket Cache Request Manager Authority
Content Handley
. Corrunt Handrey
PIP J PDP
Chain Chain
Ent. Atty Ticket & RAP PAP Ext.
Auth Author. Cache PDP
Securify Content Management in CRP scenarios.