

|  | Experiment -6.                                     |  |  |  |
|--|--|--|--|--|
| N. 1   | Aim = To Study and implement Storage as a services |  |  |  |
|  | Using own cloud.                                   |  |  |  |
|  | Janes Programme Programme                          |  |  |  |
|  | Theory!  |  |  |  |
| *  | 1            |  |  |  |
|  | of a classic star The months of the                |  |  |  |
|  |  |  |  |  |
| Con Civings Their Fire                         |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Some features cloud Storage provides are as to |  |  |  |  |
|  | > Remote Storage                                   |  |  |  |
|  | > Scalability                                      |  |  |  |
|  | 1 nocessibility                                    |  |  |  |
|  | Date redundancy and durability                     |  |  |  |
| 1  | Security   |  |  |  |
|  | -> Cost effectiveness                              |  |  |  |
| > Data backup and recovery                     |  |  |  |  |
|  | Collabration.                                      |  |  |  |
| 7  | Complication and regulations                       |  |  |  |
|  |  |  |  |  |
| A  | Gun cloud and its features:                        |  |  |  |
|  | own cloud is an open source self hosted-file sync- |  |  |  |
|  | hornization and sharing platform that allows       |  |  |  |
|  | users to access and share their file calendar      |  |  |  |
|  | Contertes and other digital Assets from            |  |  |  |
|  | anywhere with an internet Connection,              |  |  |  |
|  | O'13 a 1 a a classica of Charles hilitu            |  |  |  |
| ->   | file synchronization & Sharing > Extensibility     |  |  |  |
| -)   | self hosting -> Integration with existing          |  |  |  |
| ->   | Data encryption Infrastructure                     |  |  |  |
| ->   | collaboration tools -> mobile and desktop apps.    |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



|     | The state of the s |  |
|-----|--|--|
| *   | Advantages and limitations of Storage as a service   |  |
| >   | Cost effective -> Reliability & redundancy   |  |
|     | Scalability > Maintenance & Management   |  |
|     | Accessibility > Security   |  |
|     | J. O. P. W. C.   |  |
| 1 1 | Data governance and compliance.  |  |
| → → | Douta transfer Costs   |  |
| 7   | Dependency on services provider  |  |
| 7   | l'erformance and latency   |  |
| >   | Data portability and privacy concerns  |  |
|     |  |  |
| *   | Amazon Simple 5-torage Service (Amazon 53) 15 al<br>prominent Storage as a service (Staas) offering  |  |
|     | provided by Amerzon web Service (Alus)   |  |
|     | Services provided by 53  |  |
|     | object Storage   |  |
| -   | Data durability and availability   |  |
|     | Storage Classes.   |  |
|     | +> 53 Standard-IA  |  |
|     | > 53 Standard JA   |  |
|     | > 53 one zone IA   |  |
|     | > 33 intelligent tiering   |  |
|     | 4) 93 Glacier and 93 glacier deep.   |  |
|     | security features.   |  |
|     | Data management  |  |
| ->  | Monitoring and Analytics   |  |
| ->  | Integration with Alds toosystem  |  |
| 6   | Pinter a mineral a mile incole no the  |  |
|     | The same with some the same of |  |
| , , | S 2 Ministra   |  |
| CA  | A Destruction of the state of t |  |
|     | 3140   |  |
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| Experiment -7  |  |  |  |
|--|--|--|--|
| Aim- To Study and implement identity and access  |  |  |  |
| Management (TAM) practices   |  |  |  |
| " CATICAGE TEST  |  |  |  |
| No. 10 Day of Special 5  |  |  |  |
| Access Maragement =  |  |  |  |
| Identity and access management (IAM) practices are   |  |  |  |
| essential for ensuring the security and proper.  |  |  |  |
| Management of resources within cloud environments  |  |  |  |
| A SECULAR SECU |  |  |  |
| IAM (Identity and access Management)   |  |  |  |
| Managina access to assure  |  |  |  |
|  |  |  |  |
| Computing TAM allows organizations to control was  |  |  |  |
| computing the allows organizations to control who has access to which resources and what actions has access to which resources and what actions.   |  |  |  |
| they can perform on those resources.   |  |  |  |
|  |  |  |  |
| Components of ATM.   |  |  |  |
| is users   |  |  |  |
| iii Gtroups  |  |  |  |
| III) Roles   |  |  |  |
| m) permissions   |  |  |  |
| vj policées  |  |  |  |
| vi) Services acounts   |  |  |  |
| vii) Resource hierarchy  |  |  |  |
| viii) Auditing and logging   |  |  |  |
|  |  |  |  |
| Root users other IAM lugers  |  |  |  |
| i) Has unvestoicted access to Have limited pointleges  |  |  |  |
| all desources and services based assigned votes  |  |  |  |
| within the cloud accounts and promissions.   |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |



| Setup of the cloud account o   | reated for specific individuals or applications or applications or applications or applications and resposibilities  |
|--|--|
|  | poles and expositiffice  |
| this full control over lavery aspect of the account including billing access management and resource   | allowed roles and policies, and assigned   |
| Provisioning.  | Policies.  |
| 4 0-1-   | V a representation of the second   |
| * Role and policies-   | n-Italia   |
| Roles  | policies policies  |
| i) predefined sets of peami  | Rules that specify who   |
| ssions that determine  | has access to which  |
| Lohat actions users.   | desource and what  |
| or service accounts  | actions they can   |
| Can perform on   | perform on those   |
| resources  | resources,   |
| 1170 1 2 22 1 2 1 4 10 22  | Cool o out to the  |
| il Can be cassigned to usus  | Can be attached to   |
| groups or services accounts  | roles to enforce circess   |
| to grant them specific   | Control,   |
| Sets of permissions  | (8/1/18)   |
| iii) Typically apply to a specific set of resour-  | Can apply different levels   |
| X Cesar Services within  | Chy to Control access  |
| of the could environment   |  |
| A COM  | or environments.   |
| The state of the s |  |
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