

		<b>Hope Foundation's</b> <b>Finolex Academy of Management and Technology, Ratnagiri</b>	
		<b>Department of Information Technology</b>	
Subject name: Advance Security Lab			Subject Code: ITL702
Class	BE	Semester –VII	Academic year: 2019-20
Name of Student			<b>QUIZ Score :</b>
Roll No		Experiment No.	07
Title: Study and analysis of cloud identity and access management protocol Oauth.			

**1. Lab objectives applicable: LOB1, LOB2, LOB8**

**2. Lab outcomes applicable: LO1, LO7**

**3. Learning Objectives:**

1. To understand identity management in cloud
2. To understand access control in cloud.

**4. Practical applications of the assignment/experiment:** Authenticating cloud user and controlling access to cloud applications using identity of the user .

**5. Prerequisites:**

1. Cloud computing basics and SaaS.

**6. Hardware Requirements:**

A computer system with network access

**7. Software Requirements: NA**

**8. Quiz Questions (if any):** (Online Exam will be taken separately batch-wise, attach the certificate/ Marks obtained)

Q1. What is the purpose of cloud IAM?

Q2. What is SAML?

**9. Experiment/Assignment Evaluation:**

Sr. No.	Parameters	Marks obtained	Out of
1	Technical Understanding (Assessment may be done based on Q & A <u>or</u> any other relevant method.) Teacher should mention the other method used -		6
2	Neatness/presentation		2
3	Punctuality		2
<b>Date of performance (DOP)</b>		<b>Total marks obtained</b>	<b>10</b>

Signature of the faculty

10. Theory:

**What is Oauth and what are different components of Oauth?**

**How OAuth works?**

**What is SAML and how it is used for IAM?**

## 11. Learning Outcomes Achieved

1. Understood the cloud identity management and access management through third party.

## 12. Conclusion:

1. Applications of the studied technique in industry
  - a. Access control to different cloud application and services.
2. Engineering Relevance
  - a. Helpful in understanding identity and access management for cloud based services.
3. Skills Developed
  - a. Secure identity and access management.

## 13. References:

- [1]. <https://www.csoonline.com/article/3216404/what-is-oauth-how-the-open-authorization-framework-works.html>
- [2]. <https://www.geeksforgeeks.org/what-is-oauth-open-authorization/>