



CSE 543: Information Assurance and
Security

Provisioning and De-provisioning for Identity Management in Cloud Computing from Service Provider's Perspective Using Blockchain and Machine Learning

CSE543 Group 2-1 Weekly Report - 5

Person prepared this report: Bhavani Priya Kuche, Akash Roshan Mund

Person approved this report: Akash Roshan Mund (Leader)

Person submitted this report: Akash Roshan Mund

List of members

1. Akash Roshan Mund (Leader)
2. Bhavani Priya Kuche (Deputy Leader)
3. Amey Bhilegaonkar
4. Rohit Vishwanath Badugu
5. Naveen Aaditya Chitirala
6. Kasi Kishore Ravuri
7. Mahita Singamsetty

Meeting Notes

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1)09/24/2022 - 6:00 PM
Zoom Meeting – All present
Agenda:

1. Discuss the overall progress of in-depth study
2. Shared learning points with each other

2) 09/26/2022 - 7 PM

Zoom Meeting – All present

Agenda:

1. Discussed issues faced during the process of indepth study
2. Discussed about the format of writing indepth report and drafted the initial proposal

3) 09/28/2022 - 4:00 PM

In Person Meeting – All present

Agenda:

1. We finalized the indepth report.
Summarized the study reports and
planned for reviewing the reports
2. Decided the timeline for individual
report submissions and review.

Tasks Summary

Task Number	Task Name	Details of Task	Member	Status
1	In depth study and report making - Paper[1]	Paper Title - Paper [1] – (Refer Below) 1. Perform an In-depth study of the paper 2. Creating a detailed report on the paper	1. Amey Bhilegaonkar	complete
2	In depth study and report making - Paper[2]	Paper Title - Paper [2] – (Refer Below) 3. Perform an In-depth study of the paper 4. Creating a detailed report on the paper	Akash Roshan Mund	complete

3	In depth study and report making - Paper[3]	Paper Title - Paper [3] – (Refer Below) 5. Perform an In-depth study of the paper 6. Creating a detailed report on the paper	Bhavani Priya Kuche	complete
4	In depth study and report making - Paper[4]	Paper Title - Paper [4] – (Refer Below) 7. Perform an In-depth study of the paper 8. Creating a detailed report on the paper	Rohit Vishwanath Badugu	complete
5	In depth study and report making - Paper[5]	Paper Title - Paper [5] – (Refer Below) 9. Perform an In-depth study of the paper 10. Creating a detailed report on the paper	Naveen Aaditya Chitirala	complete
6	In depth study and report making - Paper[6]	Paper Title - Paper [6] – (Refer Below) 11. Perform an In-depth study of the paper 12. Creating a detailed report on the paper	Kasi Kishore Ravuri	complete
7	In depth study and report making - Paper[7]	Paper Title - Paper [7] – (Refer Below) 13. Perform an In-depth study of the paper 14. Creating a detailed report on the paper	Mahita Singamsetty	complete

8	In depth study and report making – paper[8]	Paper Title - Paper [8] – (Refer Below) Perform an In-depth study of the paper Creating a detailed report on the paper	Akash Roshan Mund Amey Bhilegaonkar	Not started
9	In depth study and report making – paper[9]	Paper Title - Paper [9] – (Refer Below) Perform an In-depth study of the paper Creating a detailed report on the paper	8. Rohit Vishwanath Badugu 9. Naveen Aaditya Chitirala	Not started
10	In depth study and report making – paper[10]	Paper Title - Paper [9] – (Refer Below) Perform an In-depth study of the paper Creating a detailed report on the paper	1. Kasi Kishore Ravuri 2. Mahita Singamsetty Bhavani Priya Kuche	Not started
8	Review of Reports of each member from the in-depth analysis	Review tasks are assigned accordingly Created by Reviewed by Akash Mahita Mahita Kasi Amey Rohit Rohit Amey Naveen Priya Priya Naveen Kasi Akash A review report needs to be submitted	All	Complete

9	Summarize reports to get brief idea of all the papers	Take notes on each paper and decide how can be used to solve the problem statement in hand	All	Not started Due by 6 th October
10	Weekly report Creation and Review	1. Reviewing the report 2. making changes, and finalizing it	1. Akash Roshan Mund 2. Amey Bhilegaonkar,	Completed

Task Progress

Task Name	Member	Date of Review	Reviewer(s)	Review Conclusion	Recommended Action
Review of Reports of each member from the in-depth analysis	All members according to distribution of the task	09/29/2022	All members according to distribution of the task	Satisfactory	Accept
In depth study and report making - Paper[1]	Amey Bhilegaonkar	09/29/22	Rohit Vishwanath Badugu	Satisfactory	Accept
In depth study and report making - Paper[2]	Akash Roshan Mund	09/29/22	Mahita Singamsetty	Satisfactory	Accept
In depth study and report making - Paper[3]	Bhavani Priya Kuche	09/29/22	Naveen Aaditya Chitirala	Satisfactory	Accept

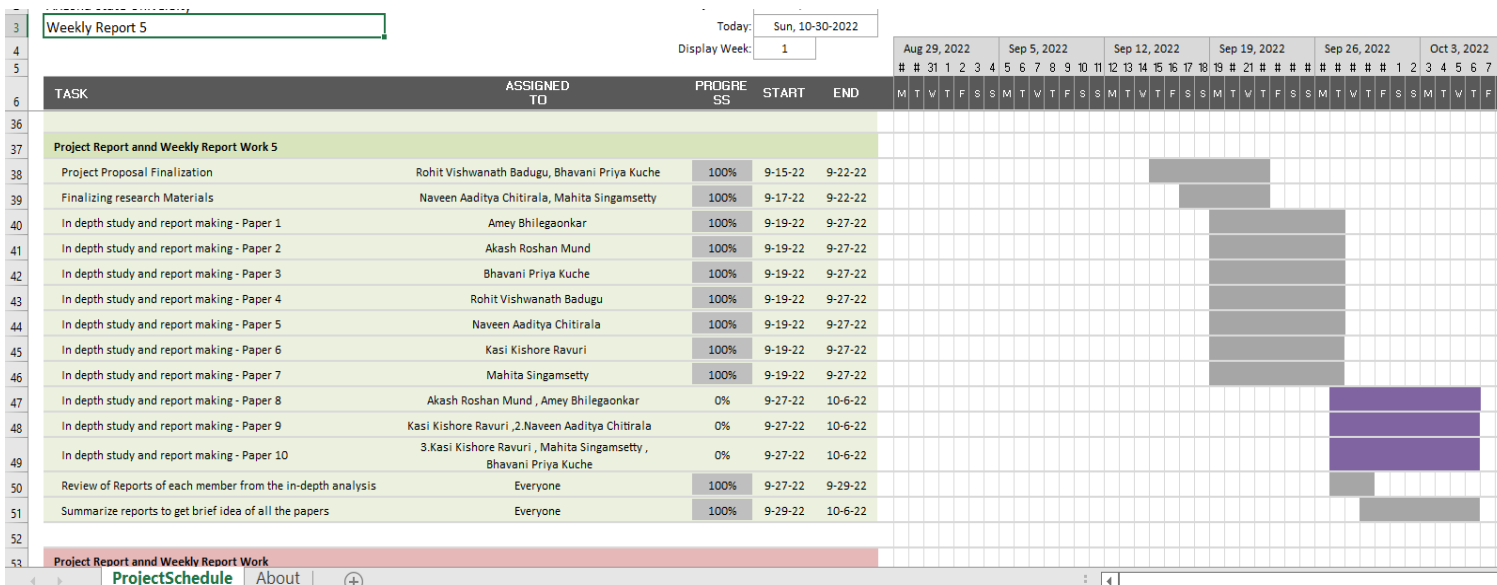
In depth study and report making - Paper[4]	Rohit Vishwanath Badugu	09/29/22	Amey Bhilegaonkar	Satisfactory	Accept
In depth study and report making - Paper[5]	Naveen Aaditya Chitirala	09/29/22	Bhavani Priya Kuche	Satisfactory	Accept
In depth study and report making - Paper[6]	Kasi Kishore Ravuri	09/29/22	Akash Roshan Mund	Satisfactory	Accept
In depth study and report making - Paper[7]	Mahita Singamsetty	09/29/22	Kasi Kishore Ravuri	Satisfactory	Accept
In depth study and report making - Paper[8]	Akash Roshan Mund Amey Bhilegaonkar	9/29/22	1. Kasi Kishore Ravuri 2. Mahita Singamsetty	Not started	Not started Due on 6 th October
In depth study and report making - Paper[9]	1. Rohit Vishwanath Badugu 2. Naveen Aaditya Chitirala	9/29/22	Bhavani Priya Kuche Akash Roshan Mund	Not started	Not started Due on 6 th October
In depth study and report making - Paper[10]	3. Kasi Kishore Ravuri 4. Mahita Singamsetty Bhavani Priya Kuche	9/29/22	1. Rohit Vishwanath Badugu 2. Naveen Aaditya Chitirala	Not started	Not started Due on 6 th October

Summarize reports to get brief idea of all the papers	All	9/29/22	Akash Roshan Mund	Not started	Due on 6 th October (Not yet started)
Weekly report Creationg and review	Akash Roshan Mund	09/14/22	Bhavani Priya Kuche	Satisfactory	Accept

Issues

1. No issues

Gantt chart for showing the major tasks



Paper Reference Lists:

Paper[1]:

[1] Bharat bhargava, Noopur Singh and Asher Sinclair, "Privacy in Cloud Computing Through Identity Management", pp. 1-6.

<https://apps.dtic.mil/sti/pdfs/ADA552741.pdf>

Paper[2]:

[2] Indu, P.M. RubeshAnand and VidhyacharanBhaskar, "Identity and access management in cloud environment: Mechanisms and challenges", Volume 21, Issue 4, August 2018.

<https://www.sciencedirect.com/science/article/pii/S2215098617316750>

Paper[3]:

[3] Ashish Singh and Kakali Chatterjee, "Identity Management in Cloud Computing through Claim-Based Solution", Apr 2015.

<https://ieeexplore.ieee.org/document/7079139>

Paper[4]:

[4] Alina Mădălina Lonea, Huaglory Tianfield & Daniela Elena Popescu, "Identity Management for Cloud Computing", volume 417.

https://link.springer.com/chapter/10.1007/978-3-642-28959-0_11

Paper[5]:

[5] Kumar Gunjan, G.Sahoo and R.K.Tiwari, "Identity Management in Cloud Computing –A Review", Vol. 1 Issue 4, June - 2012.

<https://www.ijert.org/research/identity-management-in-cloud-computing-a-review-IJERTV1IS4096.pdf>

Paper[6]:

[6] Indu and P. M. Rubesh Anand, "Identity and access management for cloud web services", June 2016.

<https://ieeexplore.ieee.org/document/7488450>

Paper[7]:

[7]Aashish Bhardwaj and Vikas Kumar, "Cloud security assessment and identity management", March 2012.

<https://ieeexplore.ieee.org/document/6164819>

Paper[8]:

R. M. Alguliev and F. C. Abdullayeva, "Identity management based security architecture of cloud computing on multi-agent systems", *Proceedings of the Third International Conference on Innovative Computing Technology (INTECH)*, pp. 123-126, Aug. 2013.

https://ieeexplore.ieee.org/abstract/document/6653643?casa_token=5Pzk1CJVrxkAAAAA:MKWii1UWSxF5PJMAAHy6Pz6YVoB_ZEyaOOvuXQZwm0KtJ5s3J2gTH-gvC2MApr3CBqetmrV-WWDjRw

Paper[9]:

PalsonKennedy R. and Gopal T.V., "Assessing the Risks and Opportunities of Cloud Computing- Defining Identity management Systems and Maturity Models", *IEEE ITPro*, pp. 138-142, 2010.

https://ieeexplore.ieee.org/abstract/document/5714625?casa_token=2Q7IGkKY4DOAAAAA:9xfPGsxYRVHg08kDuCYedPgoe9ftTzSvIYbTQzEqovUHom9AqR20WIYFdtM-YWca2dbW91mYwYWDhQ

Paper[10]:

Yan Yang, Xingyuan Chen, Guangxia Wang and Lifeng Cao, "An Identity and Access Management Architecture in Cloud", *Proceedings of the Seventh International Symposium on Computational Intelligence and Design (ISCID)*, vol. 2, pp. 200-203, Dec 2014.

https://ieeexplore.ieee.org/abstract/document/7081970?casa_token=apE_XBvGyfgAAAAA:5khOvsSCc_JYNxtPLn06QFv1DnLQvBWfqya0AigcP2-dZO_PPhYN_oPakURoweXVB3O3VVcZfWF5rw