

List of publications authored during the PhD

Enrico Bacis

Articles in Journals

- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Securing Resources in Decentralized Cloud Storage”. *IEEE Transactions on Information Forensics and Security*. 2019.

Papers in Proceedings of International Conferences and Workshops

- Enrico Bacis, Sabrina de Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Access Control Management for Secure Cloud Storage”. *12th EAI International Conference on Security and Privacy in Communication Networks (SECURECOMM)*. EAI, 2016.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Daniele Guttadoro, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, Alessandro Saullo. “Managing Data Sharing in OpenStack Swift with Over-Encryption”. *3rd Workshop on Information Sharing and Collaborative Security (WISCS)*. ACM, 2016.
- Enrico Bacis, Sabrina de Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Mix&Slice: Efficient Access Revocation in the Cloud”. *23rd ACM Conference on Computer and Communications Security (CCS)*. ACM, 2016.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, “Distributed Shuffle Index in the Cloud: Implementation and Evaluation”. *Proceedings of the 4th IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)*. IEEE, 2017.
- Enrico Bacis, Alan Barnett, Andrew Byrne, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Distributed Shuffle Index: Analysis and Implementation in an Industrial Testbed”. *Proceedings of the 5th IEEE Conference on Communications and Network Security (CNS)*. IEEE, 2017.
- Enrico Bacis, Marco Rosa, Ali Sajjad. “EncSwift and Key Management: An Integrated Approach in an Industrial Setting”. *3rd Workshop on Security and Privacy in the Cloud (SPC)*. IEEE, 2017.

- Enrico Bacis, Sabrina de Capitani di Vimercati, Dario Facchinetti, Sara Foresti, Giovanni Livraga, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Multi-Provider Secure Processing of Sensors Data”. *Proceedings of the 17th International Conference on Pervasive Computing and Communications (Percom)*. IEEE, 2019.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, “Dynamic Allocation for Resource Protection in Decentralized Cloud Storage”. *Proceedings of the 2019 IEEE Global Communications Conference (GLOBECOM)*. IEEE, 2019.
- Enrico Bacis, Dario Facchinetti, Marco Rosa, Marco Guarnieri, Stefano Paraboschi, “I Told You Tomorrow: Practical Time-Locked Secrets using Smart Contracts”. *Under Review*.

Chapters in Books

- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Protecting resources and regulating access in cloud-based object storage”. *From Database to Cyber Security*. 2018.

Deliverables

- Stefano Paraboschi, Christian Cachin, Enrico Bacis, Marco Rosa. “Deliverable D2.3. Report on Data and Access Protection”. *ESCUDO-CLOUD (Horizon 2020)*. 2016.
- Sara Foresti, Marco Rosa, Enrico Bacis, Sabrina De Capitani di Vimercati, Daniele Guttadoro, Stefano Paraboschi, Pierangela Samarati, Alessandro Saullo. “Deliverable D2.5. Final Tools for the Protection of Integrity and Confidentiality of Data and Access” *ESCUDO-CLOUD (Horizon 2020)*, 2017.
- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Ali Sajjad, Pierangela Samarati, Björkqvist, Christian Cachin, Björn Tackmann, Ahmed Taha, Patrick Metzler, Salman Mazoor, Neeraj Suri. “Deliverable D2.6. Final Report on Data Protection and Key Management Solutions”. *ESCUDO-CLOUD (Horizon 2020)*, 2017.
- Enrico Bacis, Sara Foresti, Sabrina De Capitani Di Vimercati, Stefano Paraboschi, Pierangela Samarati. “Deliverable D3.4. Tools for selective and private multi-user queries and interactions”. *ESCUDO-CLOUD (Horizon 2020)*, 2017.
- Daniel Bernau, Andreas Fischer, Anselme Tuono, Christian Cachin, Björn Tackmann, Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Giovanni Livraga, Stefano Paraboschi, Marco Rosa, Pierangela Samarati, Roberto Sassi, Ahmed Taha, Nicolas Coppick, Ruben Trapero, Neeraj Suri. “Deliverable D3.5. Report on Secure Information Sharing in the Cloud”. *ESCUDO-CLOUD (Horizon 2020)*. 2017.

- Enrico Bacis, Sabrina De Capitani di Vimercati, Sara Foresti, Stefano Paraboschi, Marco Rosa, Pierangela Samarati. “Deliverable D4.3. Final Versions of Tools for Security With Multiple Providers”. *ESCUDO-CLOUD (Horizon 2020)*. 2017.
- Ahmed Taha, Heng Zhang, Neeraj Suri, Sara Foresti, Giovanni Livraga, Andrew Byrne, Alan Barnett, Enrico Bacis, Marco Rosa, Ali Sajjad. ”Deliverable D4.4. Report on Multi Cloud and Federated Cloud”. *ESCUDO-CLOUD (Horizon 2020)*. 2017.

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