



You are what you keep!

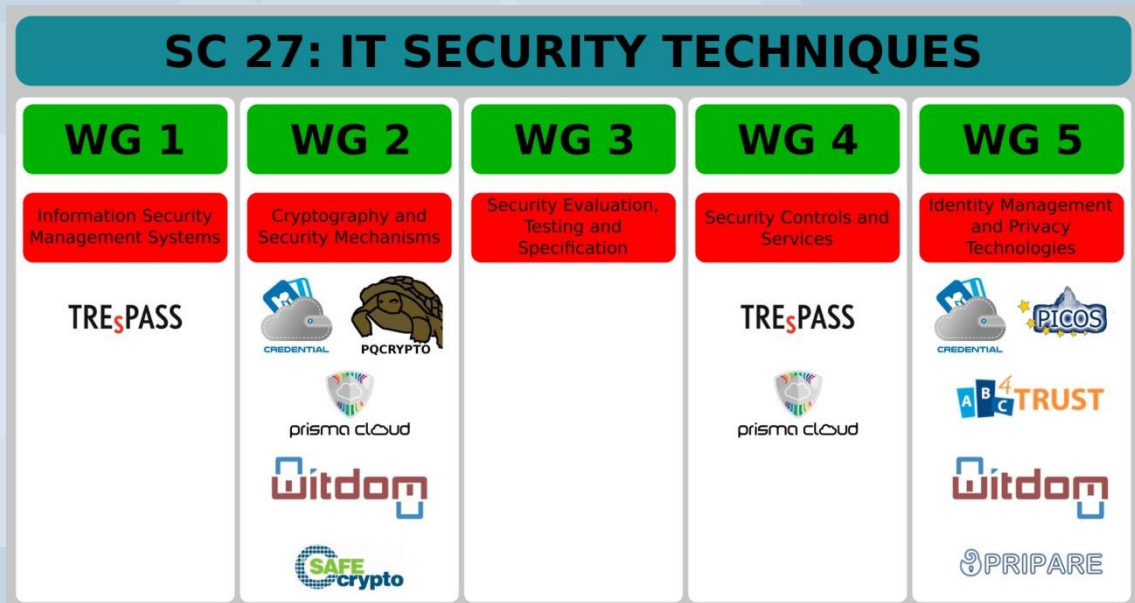
4th Newsletter – November 2017

The CREDENTIAL Newsletter series keeps you informed about our project's progress, results, and events. This issue provides you with an update of our standardization activities and our pilots. Furthermore, it contains an overview of recent publications and events, and an outlook of upcoming workshops and planned activities.

CREDENTIAL Standardization Activities

As announced in our March newsletter, CREDENTIAL requested a Category C liaison to ISO/IEC JTC 1/SC 27 in „IT Security Techniques“ during the SC 27 WG and plenary meeting in Hamilton, New Zealand, in April 2017. Specifically, liaisons to WG 2 on „Cryptography and Security Mechanisms“ and WG 5 on „Identity Management and Privacy Technologies“ were requested. Furthermore, CREDENTIAL, together with our liaison project PRISMACLOUD and the Austrian Standards Institute, initiated a study period to investigate the need for, and interest in, a potential standard on redactable signatures.

In September our liaison request was formally accepted by ISO, and CREDENTIAL can now provide direct inputs to ongoing standardization activities. The figure shows how CREDENTIAL maps into the landscape of FP7 and H2020 research projects with active liaisons to SC 27.



In addition, the initiated study period received strong support. Consequently, at the SC 27 meeting in Berlin, Germany, in November, CREDENTIAL together with PRISMACLOUD and the Austrian Standards Institute suggested to move forward, and we jointly prepared a New Work Item Proposal for a standard on „Redaction of Authentic Data“, which was submitted to WG 2 and is now undergoing an SC 27 letter ballot. We are confident about the outcome of this ballot, and hope to be instructed to prepare a first draft for one of the next SC 27 meetings in spring or fall 2018.

Besides this, CREDENTIAL is planning to provide first inputs to further WG 2 and WG 5 projects in time for the upcoming meeting in Wuhan, China.

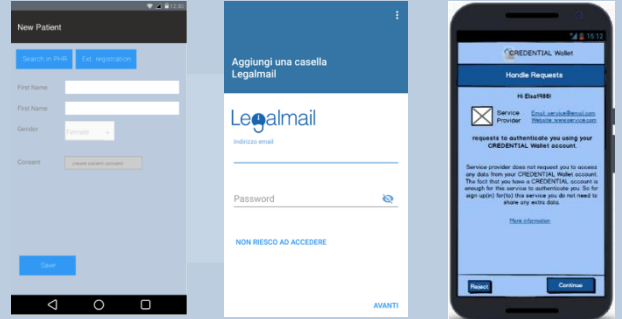


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Pilot Status

CREDENTIALIAL already entered its third and final project year, and the piloting phase is approaching fast. At this point, our software developers are finishing the backend server components of the CREDENTIALIAL Wallet, and the pilot partners are fine-tuning their application for an optimal and stable user experience in the test phase.

The next weeks will be dedicated to a first in-house piloting round, which will be followed by first external tests in December and January. The received feedback will then be used to improve and extend the pilots for a second piloting round to be executed in March and April. If you are interested in further details about the pilots, please do not hesitate to contact the CREDENTIALIAL coordinator or one of the pilot partners directly!



Publications

The following publications were accepted for publication since the last CREDENTIALIAL newsletter:

- Thomas Lorünser, Stephan Krenn, Christoph Striecks, and Thomas Länger. **Agile Cryptographic Solutions for the Cloud**. e&i Elektrotechnik and Informationstechnik, 2017
- Stephan Krenn, Thomas Lorünser, Anja Salzer, and Christoph Striecks. **Towards Attribute-Based Credentials in the Cloud**. Cryptology and Network Security – CANS 2017. Hongkong, China.
- Farzaneh Karegar, Nina Gerber, Melanie Volkamer, and Simone Fischer-Hübner. **Helping Johnny to Make Informed Decisions in the Context of Social Login**. ACM Symposium on Applied Computing – ACM/SIGAPP 2018. Pau, France.

Awards

Our colleagues Farzaneh Karegar, Daniel Lindegren, John Sören Pettersson, and Simone Fischer-Hübner from Karlstad University won the **best paper award** for their CREDENTIALIAL paper “Assessments of a Cloud-Based Data Wallet for Personal Identity Management” at this year’s International Conference on Information Systems Development (ISD) in Larnaca, Cyprus. Congratulations and thanks for your excellent work!

Liaisons

We are happy to announce new liaisons with the two European Coordination and Support Actions CLOUDWATCH and CYBERWATCHING, which will support the promotion of our project results and increase the visibility. Also, CREDENTIALIAL is already listed in their cloud service catalogues on cybersecurity and privacy. We are looking forward to a fruitful collaboration!





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Recent Events

2nd Workshop on Security, Privacy, and Identity Management in the Cloud August 29 – September 1, 2017: Reggio Calabria, Italy

After the success of the previous year, CREDENTIAL, its liaison project PRISMACLOUD, and the DPSP Cluster decided to again organize the 2nd Workshop on Security, Privacy, and Identity Management in the Cloud, which was held in conjunction with the 12th ARES Conference in southern Italy. After an open call for papers, eight papers were accepted for presentation at the workshop and inclusion into the proceedings, including submissions from the following H2020 projects: CREDENTIAL, MUSA, NEXTLEAP, PaaSWord, PRISMACLOUD, and WITDOM.

Each presentation at SECPID 2017 was followed by a vivid discussion by the audience.

Besides the SECPID workshop itself, CREDENTIAL was also presented at the co-located CITE workshop organized by the H2020 projects ARIES and LIGHTest.

SECPID 2017

Workshop on Security, Privacy, and Identity Management in the Cloud

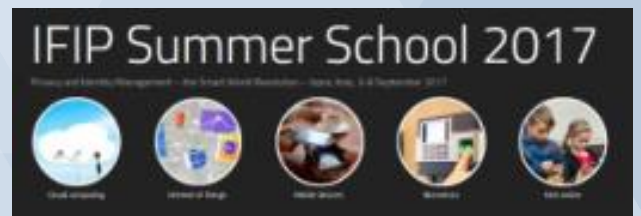
Reggio Calabria, Italy
August 29 - September 2, 2017



12th International IFIP Summer School on Privacy and Identity Management September 3 – 8, 2017: Ispra, Italy

The 12th International IFIP Summer School on Privacy and Identity Management was hosted by the Joint Research Centre (JRC) of the European Commission and its Cyber and Digital Citizen Security Unit. It took a holistic approach to society and technology, and supports interdisciplinary exchange through keynotes, lectures, tutorials, workshops, and research paper presentations, in order to bring together experts with societal, political, ethical, anthropological, philosophical, or psychological backgrounds.

CREDENTIAL and PRISMACLOUD organized a session on “Secure and Privacy-Friendly Storage and Data Processing in the Cloud”. After introductory talks to the topic, participants were able to get hands-on experience of the eBusiness and eGovernment pilots, and to directly provide feedback to the developers. The workshop was closed by a panel discussion with highly recognized IT security experts like Charles Raab or Anja Lehmann.



Other Events

In addition to the two major events co-organized by CREDENTIAL, the project was also presented at various other events and conferences, including:

- World e-ID & Cybersecurity – Digital Identity and Data Protection for Citizens and Businesses: Marseille, France
- Infocom World 2017: Athens, Greece



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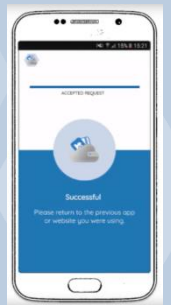
Upcoming Events

- International Conference on Telemedicine and eHealth**
December 6 – 8, 2017: Casablanca, Morocco
The aim of the MeHealth 2017 conference is to present practical experiences and research results in the field of Telemedicine and eHealth solutions.
- ISO/IEC JTC1/SC27 Plenary Meeting**
April 16 – 20, 2018: Wuhan, China
CREDENTIAL will provide feedback to ongoing standardization activities in WG2 and WG5 for this meeting. Furthermore, together with PRISMACLOUD, we will continue our efforts for establishing a new international standard on “Redaction of Authentic Data”.
- Common Dissemination Booster**
January – September, 2018
The Common Dissemination Booster is a free service from the European Commission, available to all ongoing or close European, national, or regional research and innovation actions, in particular from the FP7 and H2020 programmes. The booster helps groups of projects to identify a common portfolio of results and to find the best dissemination strategy towards end-users. CREDENTIAL, leading a group of eleven projects, will enjoy the service starting from January 2018 in order to optimize our dissemination and exploitation paths.



CREDENTIAL Survey

CREDENTIAL aims to develop, test and showcase innovative cloud-based services for storing, managing and sharing digital identity information with a demonstrably higher level of security than other current solutions. We appreciate if you take your time and complete our survey about signing up for a website using a mobile app. It is very quick (less than 10 minutes) but it means a lot to us! You can access the survey at <http://sgiz.eu/s3/CREDENTIAL>.



Key Message

- Our first patent application on privacy-preserving cloud-based authentication was accepted by the Austrian patent office!

Contact Details and Meta Data

Website: <https://credential.eu>
Twitter: <https://twitter.com/CredentialH2020> | @CREDENTIALH2020
LinkedIn: <https://www.linkedin.com/in/credential> | CREDENTIAL Project
CORDIS: http://cordis.europa.eu/project/rcn/194869_en.html
Additional information can also be requested via admin@credential.eu

Call: Digital Security: Cybersecurity, Privacy and Trust

Topic: DS-02-2014 Access Control

Type of Action: Innovation Action

Duration: 36 months

Start Date: 01.10.2015

Requested EU Contribution: ~6.0M €

Coordinator: AIT Austrian Institute of Technology GmbH

