



DS-06-2017: Cybersecurity PPP: Cryptography

PRIViLEDGE

Privacy-Enhancing Cryptography in Distributed Ledgers

D6.5 – Data Management Plan

Due date of deliverable: 30.06.2018

Actual submission date: 30.06.2018


Grant agreement number: 780477

Start date of the project: 1 January 2018

Revision 1.0

Lead contractor: Guardtime AS

Duration: 36 months

	Project funded by the European Commission within the EU Framework Programme for Research and Innovation HORIZON 2020	
Dissemination Level		
PU = Public, fully open		X
CO = Confidential, restricted under conditions set out in the Grant Agreement		
CI = Classified, information as referred to in Commission Decision 2001/844/EC		

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Data Management Plan

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29.06.2018

Revision 1.0

The work described in this document has been conducted within the project PRIViLEDGE, started in January 2018. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 780477.

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1 Introduction

This document, D6.5 Data Management Plan (DMP) is a deliverable of the PRIViLEDGE project, which is funded by the European Union's Horizon 2020 Programme under Grant Agreement #780477. The PRIViLEDGE project aims to realise cryptographic protocols supporting privacy, anonymity, and efficient decentralised consensus for distributed ledgers.

The purpose of the DMP is to provide analysis of the main elements of the data management policy that will be used by the consortium. The first version of the DMP specifies the type of data that will be used in the four use cases which will demonstrate different aspects of privacy-enhanced distributed ledgers in different areas. The DMP is not a fixed document and will be updated throughout the project.

2 Data Summary

The PRIViLEDGE project will implement four use cases. The partners involved in building the four use cases have stated that they will use synthetic data. Therefore, this document does not include a detailed description of the data sets. All changes in the use of data will be adapted in the next version of the DMP.

3 General Principles

3.1 Participation in the Pilot on Open Research Data

The PRIViLEDGE project participates in the Pilot on Open Research Data launched by European Commission along with the Horizon 2020 programme. The consortium strongly believes in the concepts of open science, and in the benefits that the European innovation ecosystem and economy can draw from allowing reusing data at a larger scale. Therefore, all data produced by the project can potentially be published with open access – though this objective will obviously need to be balanced with the other principles described below.

3.2 Intellectual Property Rights Management and Security

Special attention has been given to knowledge management and protection issues from the beginning, and during the whole lifetime of the project. All details regarding management and protection of knowledge created within PRIViLEDGE is specified in the Consortium Agreement (CA), following the DESCA Horizon 2020 document. The CA addresses (a) confidentiality of the information disclosed by partners during the project, ownership of results resulting from the execution of the project, (b) legal protection of results resulting from the execution of the project through patent rights, (c) commercial utilisation of results, also taking into account joint ownership of the results, management of evolution of results (new innovations added after the end of the project), (d) patents, know-how and information related to the use of knowledge owned by one of the partners, resulting from work carried out prior to the agreement, and (e) sublicenses to third parties within clearly defined limits.

The defining of the distribution of the EU funds and the Intellectual Property (IP) has been implemented to the CA from the Grant Agreement. The principal basis of the information and

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know-how exchange is free access right. The general outline of the IP rules agreed by PRIViLEDGE partners is as follows:

- Partners' pre-existing knowledge (background) has been specified in the CA.
- Knowledge that is generated within PRIViLEDGE project shall remain the property of the partner that generated it. If more than one partner generates that knowledge and it is not possible to separate their contributions, the knowledge will be jointly owned.
- Access rights to knowledge that is needed by a partner for the execution of its part in PRIViLEDGE has been granted to the partner on a royalty-free non-transferable basis.
- A partner will not publish any knowledge provided by another partner and identified as confidential, without the other partner's prior written approval. However, if open source software licenses apply, the open source software license rules will apply for publishing knowledge.
- To meet the need of both industrial partners with commercial and IP interests and research partners in the project, which have a major role in ensuring results are widely disseminated, dissemination assets will be submitted to the Project Coordinator and the relevant WP leader for dissemination and distributed to other relevant partners who may object within a small time period which is agreed upon in the CA. Otherwise the dissemination may proceed.
- Each organisation is free to develop (and promote) its own innovative approaches introduced to PRIViLEDGE after the end of the project without limitations.

An IPR Repository with all software licenses used has been created to aid partners in identifying possible licensing issues, selecting the best licensing models for the software developed during the project and ensuring on the one hand that no IPR issues hinder the exploitation potential of the software assets produced during PRIViLEDGE, on the other hand that IPR is fully honoured. The relevant developments regarding IPR are periodically reviewed and communicated to all partners.