

NIST Privacy Engineering Collaboration Space

Katie Boeckl, NIST | August 13, 2019

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Practice and Respect (PEPR '19)

Why a collaboration space?

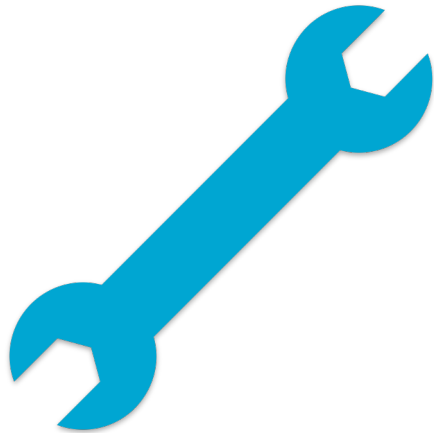
- Need for more tools, solutions, and processes supporting privacy engineering
- Greater awareness of those that already exist
- Better understanding of benefits and integration into systems or enterprise risk management processes
- Construct that helps organizations match the appropriate tools, solutions, or processes to their needs



Collaboration Space Overview

an online venue open to the public where practitioners can **discover, share, discuss**, and **improve upon open source tools, solutions**, and **processes** that support privacy engineering and risk management

What to Contribute



Tools



Use Cases



Feedback

Initial Focus Areas

De-identification

Privacy Risk Assessment

About



Collaboration Space



Introduction

Operating Rules

Moderators

Contribute



Browse



Resources

Events

Get Involved

CONNECT WITH US



Collaboration Space

Welcome

This space has just launched! To kick off, we are focusing on **de-identification** and **privacy risk assessment**, and welcome feedback on future topics of interest.

Contact Us 

NIST's Privacy Engineering Collaboration Space is an online venue open to the public where practitioners can discover, share, discuss, and improve upon open source tools, solutions, and processes that support privacy engineering and risk management.

Contribute

Created a privacy tool? Have a use case to share? Post it or collaborate on other contributions in the space.

Contribute

Browse

Interested in tools or use cases for de-identification and privacy risk assessment? Browse the contributions.

Browse

Privacy Engineering Collaboration Space <https://www.nist.gov/itl/applied-cybe...>

Edit

de-identification

differential-privacy

risk-management

Manage topics

 154 commits

 1 branch

 0 releases

 5 contributors

Branch: master ▾


New pull request

Create new file








Upload files


Find File


Clone or download ▾

 kboeckl fixes analysis typographical error

Latest commit 40ceb7d on Apr 2

 .github	Update ISSUE_TEMPLATE.md	3 months ago
 assets	resize img k	3 months ago
 templates	Change management to assessment	a month ago
 tools	fixes analysis typographical error	a month ago
 use-cases	change management to assessment	a month ago
 CONTRIBUTING.md	change management to assessment	a month ago
 README.md	Update README.md	a month ago

 README.md



Privacy Engineering Collaboration Space

De-Identification Tools

Approximate Minima Perturbation (AMP) Carnegie Mellon University; Boston University; University of California, Berkeley; University of California, Santa Cruz; Peking University

ARX Data Anonymization Tool TUM - Technical University of Munich

Differential Privacy Synthetic Data Challenge Algorithms
Various Challenge Participants

Differentially Private Stochastic Gradient Descent (DP-SGD)
Google

De-Identification Tools (continued)

Ektelo UMass Amherst, Duke University, Colgate University

GUPT: Privacy preserving data analysis made easy

University of California, Berkeley; University of California, Santa Cruz; Cornell University

PixelDP Columbia University

Privacy Protection Application (PPA) US Department of Transportation

Private Aggregation of Teacher Ensembles (PATE) Google

Privacy Risk Assessment Tools & Use Cases

City of Seattle Open Data Risk Assessment

Future of Privacy Forum (FPF) | *Use Case*

FAIR Privacy

Enterprivacy Consulting Group | *Tool*

NIST Privacy Risk Assessment Methodology (PRAM)

NIST | *Tool*

Engage!

- **Explore** the space
- **Contribute** tools and use cases
- **Spread the word** about the space

Resources



www.nist.gov/itl/applied-cybersecurity/privacy-engineering/collaboration-space



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