



NIST's Role in Privacy Protection

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NIST Focus Areas:



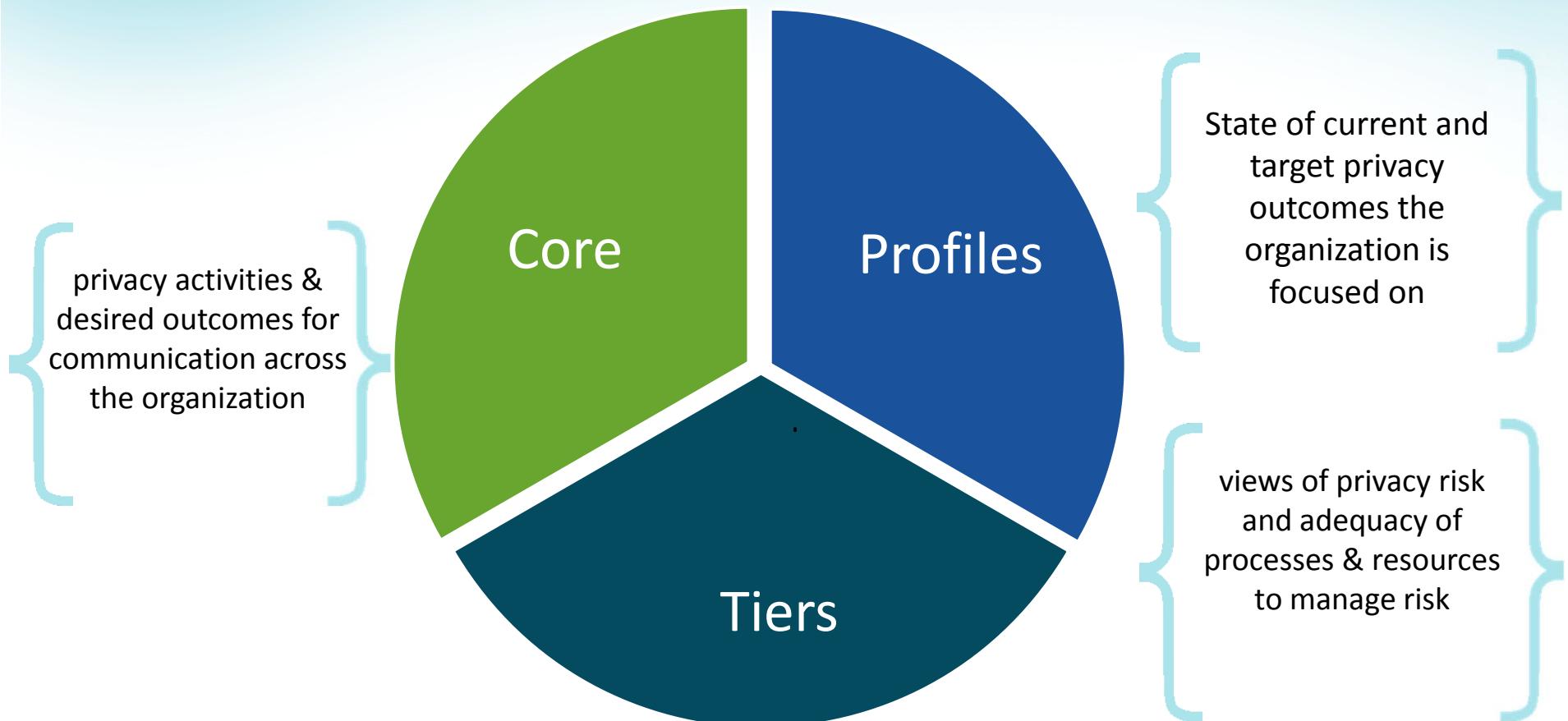
1. Draft Privacy Risk Framework
2. Privacy Tools
 1. Privacy Engineering Collaboration Space
 2. Differential Privacy Data Challenges

What is the NIST Privacy Framework?

- Enterprise risk management tool to answer:
“How are we considering the privacy impacts to individuals as we develop our systems, products, and services?”
- Goals:



Privacy Framework Structure



Core Functions

Identify

Develop organizational understanding to manage privacy risk

Protect

Implement data processing safeguards

Control

Enable organizations and individuals to manage data privacy risks

Inform

Enable organizations and individuals to reliably understand how data are processed

Respond

Implement response activities for privacy breach or event

Differential Privacy Data Challenges

2018 The Un-linkable Data Challenge



Marathon Match

Contest: NIST Differential Privacy #3

Problem: [NistDp3](#)

Registrants: 86

Competitors: 12

Submissions:

[Problem Statement](#) | [Register & Rules](#) | [Forum](#)

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Standings						
Handle	Score	Rank	Last Submission Time	Language	Example Tests	Submissions
rmckenna	879737.27	1	04.05.2019 09:38:50	Java	1	4
ninghui	854724.10	2	04.07.2019 15:11:27	Java	2	1
privbayes	839445.10	3	04.01.2019 02:06:28	Java	11	1
gardn999	801705.18	4	04.08.2019 21:07:27	Java	6	16
manisriravastava	582790.78	5	04.18.2019 23:30:03	Java	1	1
rachelcummings	407420.08	6	04.08.2019 16:01:15	Java	12	1
atulala	704.45	7	04.14.2019 21:04:49	Java	28	11
joe_w_holland	348.28	8	04.08.2019 10:25:46	Java	0	3
UF43773	-1.00	9	04.18.2019 17:49:12	Java	2	1
bnko					2	0
timmac					1	0
zhangzhk					1	0

* indicates that this competitor has not yet submitted their solution

2018 Differential Privacy Synthetic Data Challenge