



NIST's Role in Privacy Protection


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NIST Focus Areas:

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- A large, faint background graphic is centered on the slide. It depicts a hand with a pointing finger interacting with a tablet or screen. On the screen, there is a diagram with a box labeled "PRIVACY RISK" and a padlock icon, suggesting a focus on security and privacy.

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:

A blue ribbon-shaped icon representing the 'Common Lexicon' goal.

Common
Lexicon

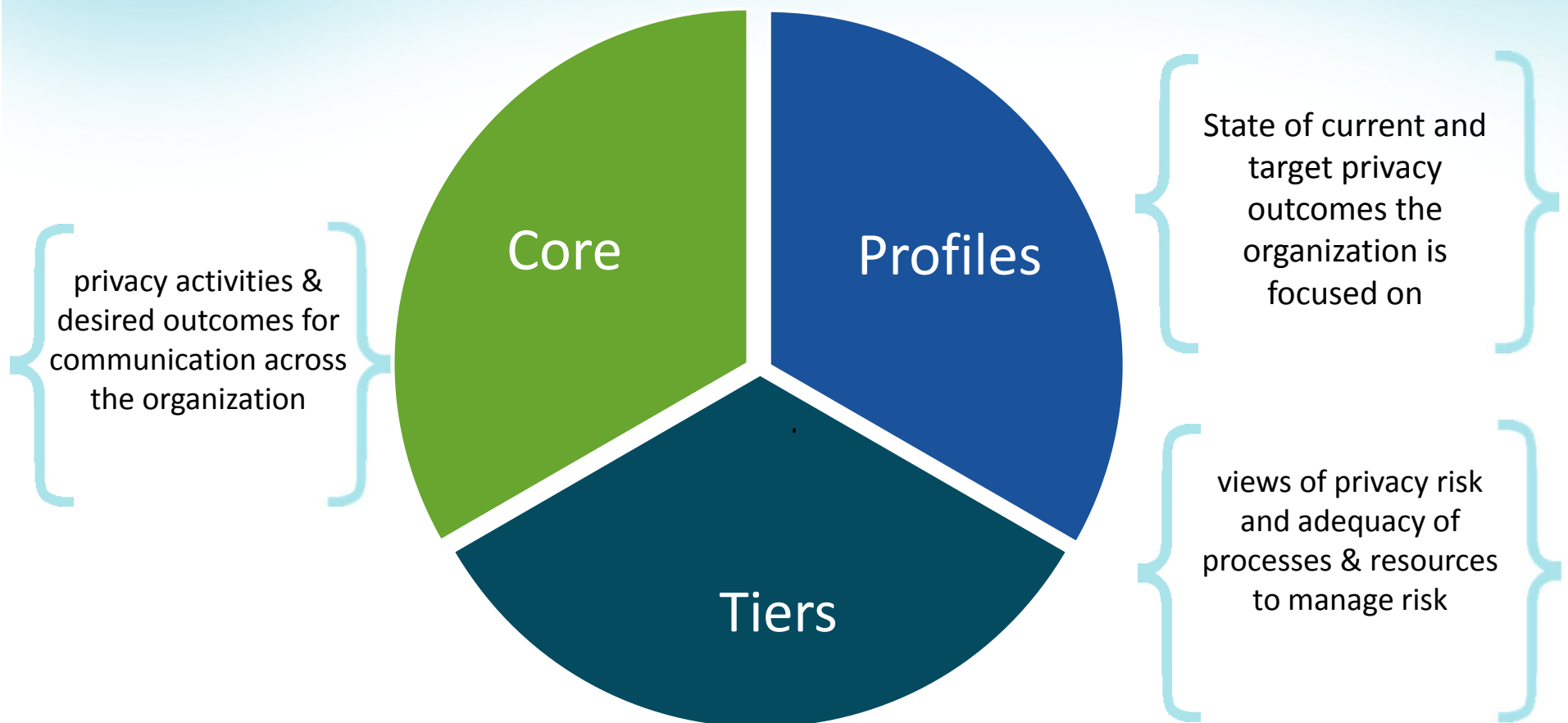
A teal ribbon-shaped icon representing the 'Scalable' goal.

Scalable

A green ribbon-shaped icon representing the 'Domain Independent' goal.

Domain
Independent

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

[Standings](#)

Contest: NIST Differential Privacy #3

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

Problem: **NistDp3**

Registrants: **86**

Competitors: **12**

Submissions:

<< prev | next >>

| 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 |
| garden999 | 801705.18 | 4 | 04.08.2019 21:07:27 | Java | 6 | 16 |
| manisrivastava | 582790.78 | 5 | 04.18.2019 23:30:03 | Java | 1 | 1 |
| rachelcumings | 407420.08 | 6 | 04.08.2019 16:01:15 | Java | 12 | 1 |
| atullala | 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's most recent test submission has not yet been processed

2018 Differential Privacy Synthetic Data Challenge