



in

@Chidambaram-narayanan

Shall we open a cookie and find  
out what's in store today?

Wait till the end for the surprise!



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My mission is to help you (and I) grow and learn, every day! My favicons include:

- ✓ Auditing of financial and IT systems
- ✓ Cloud awareness
- ✓ Cybersecurity
- ✓ CISA



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# CIS Critical Security Controls v8

<b>CONTROL 01</b> Inventory and Control of Enterprise Assets 5 Safeguards   01 2/5   02 4/5   03 5/5	<b>CONTROL 02</b> Inventory and Control of Software Assets 7 Safeguards   01 3/7   02 6/7   03 7/7	<b>CONTROL 03</b> Data Protection 14 Safeguards   01 6/14   02 12/14   03 14/14
<b>CONTROL 04</b> Secure Configuration of Enterprise Assets and Software 12 Safeguards   01 7/12   02 11/12   03 12/12	<b>CONTROL 05</b> Account Management 6 Safeguards   01 4/6   02 6/6   03 6/6	<b>CONTROL 06</b> Access Control Management 8 Safeguards   01 5/8   02 7/8   03 8/8
<b>CONTROL 07</b> Continuous Vulnerability Management 7 Safeguards   01 4/7   02 7/7   03 7/7	<b>CONTROL 08</b> Audit Log Management 12 Safeguards   01 3/12   02 11/12   03 12/12	<b>CONTROL 09</b> Email and Web Browser Protections 7 Safeguards   01 2/7   02 6/7   03 7/7
<b>CONTROL 10</b> Malware Defenses 7 Safeguards   01 3/7   02 7/7   03 7/7	<b>CONTROL 11</b> Data Recovery 5 Safeguards   01 4/5   02 5/5   03 5/5	<b>CONTROL 12</b> Network Infrastructure Management 8 Safeguards   01 1/8   02 7/8   03 8/8
<b>CONTROL 13</b> Network Monitoring and Defense 11 Safeguards   01 0/11   02 6/11   03 11/11	<b>CONTROL 14</b> Security Awareness and Skills Training 9 Safeguards   01 8/9   02 9/9   03 9/9	<b>CONTROL 15</b> Service Provider Management 7 Safeguards   01 1/7   02 4/7   03 7/7
<b>CONTROL 16</b> Applications Software Security 14 Safeguards   01 0/14   02 11/14   03 14/14	<b>CONTROL 17</b> Incident Response Management 9 Safeguards   01 3/9   02 8/9   03 9/9	<b>CONTROL 18</b> Penetration Testing 5 Safeguards   01 0/5   02 3/5   03 5/5



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# A

## Recap: What is data?

A collection of *discrete or continuous values* that convey information, describing the *quantity, quality, fact, statistics, other basic units of meaning, or simply sequences of symbols* that may be further interpreted formally.



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# B

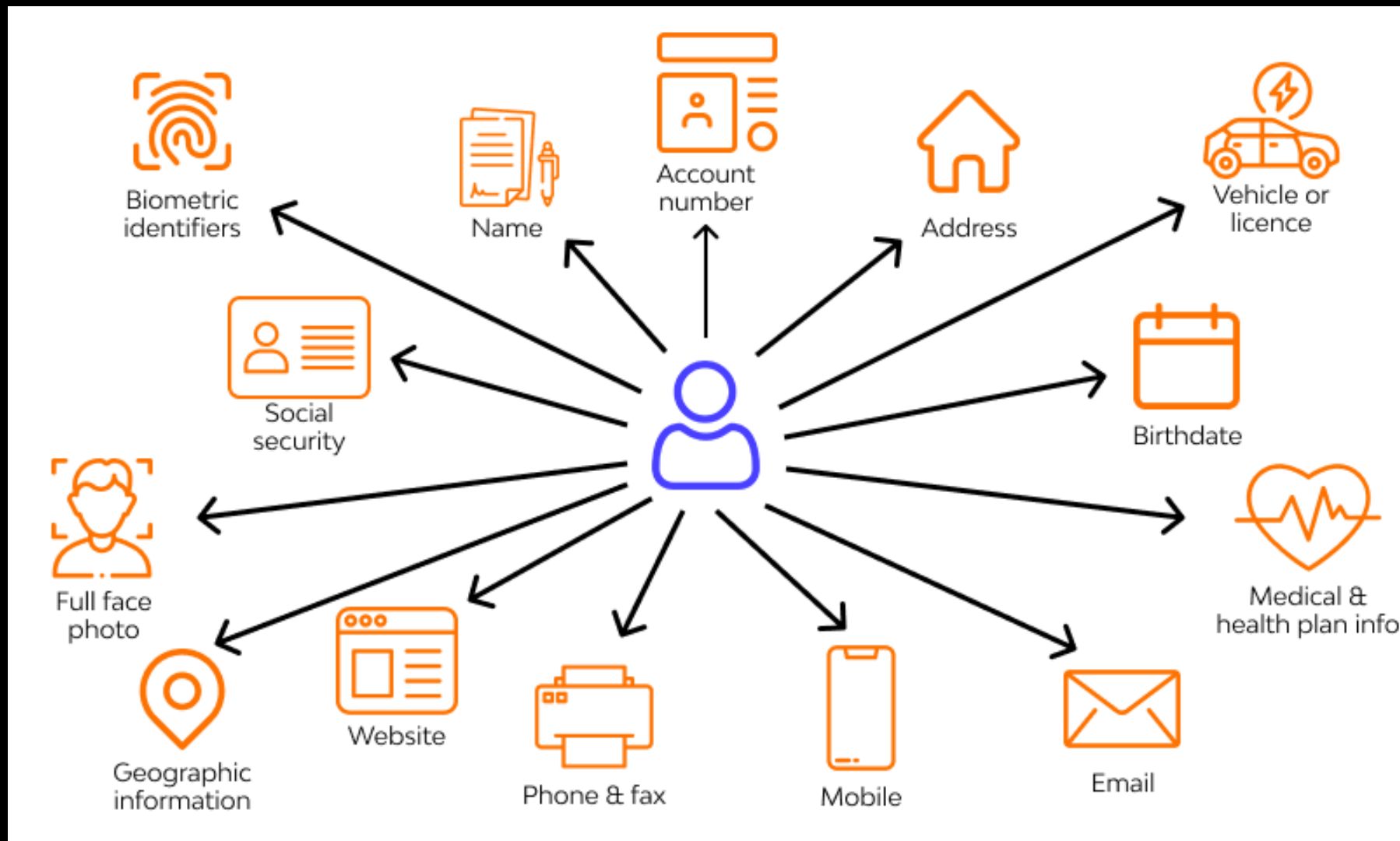
## ✓ Personally Identifiable Information (PII)

Any type of data that can be used to identify someone, from their name and address to their phone number, passport information, and social security numbers



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# B

## Financial Data

- ✓ Financial statements (Balance sheet, Income statement, cash flow statement and statement of owner's equity)
- ✓ Credit card numbers;
- ✓ Payroll;
- ✓ Banking data
- ✓ Credit ratings by 3rd party agencies
- ✓ Payment histories



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**B**

## Personal Health Information (PHI)

Identifying information about an individual pertaining to that person's mental or physical health, family history or health care history.

Take care of HIPAA for me, will you?



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**B**

**HIPAA**

**Is that the name of a  
hip-hop artist?**



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# B

The Health Insurance Portability and Accountability Act of 1996 was signed into law by President Bill Clinton.

- ✓ Modernized the **flow of healthcare info**;
- ✓ Stipulates how PII maintained by the healthcare and healthcare insurance industries should be **protected from fraud and theft**;
- ✓ Addressed some limitations on **healthcare insurance coverage**



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B

# What are the 18 Identifiers of HIPAA?



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# B

## 1. Name

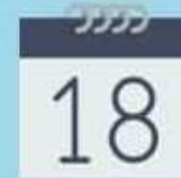


## 2. Address



## 3. Any dates

(except years) that are directly related to the individual



## 4. Telephone number



## 5. Fax number



## 6. Email address



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# B

## 7. Social security number



## 8. Medical record number



## 9. Health plan beneficiary number



## 10. Account number



## 11. Certificate/license number



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# B

12. Vehicle identifiers



13. Device identifiers or serial numbers



14. Web URLs



## 15. IP address

16. Biometric identifiers  
(fingerprints, voice prints,  
etc.)



17. Full-face photos



18. Any other unique  
identifying numbers,  
characteristics, or codes



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# B

## Other types of data:

- ✓ Trade secrets, research, patented technologies, other forms of intellectual property, etc.
- ✓ Metadata (e.g., file size, file type, data of data, source)
- ✓ Information pertaining to the management of information systems (e.g., network diagrams)



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**R E C A P**

# Let's recap

- A. Data is raw facts and figures;
- B. Data is at the bottom of the DIKW pyramid;
- C. Data comes in many types, including:
  - i. Financial
  - ii. PII
  - iii. PHI
  - iv. Metadata
  - v. IP
  - vi. Network and app data




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**As promised...  
here's your  
fortune....**



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A single, golden-brown, crescent-shaped fortune cookie sits on a light green background with a fine, grid-like pattern. A small, white, rectangular paper slip is partially inserted into the opening of the cookie. The slip has black text printed on it.

All of your hard work  
will soon pay off.

Help me achieve my mission to bring  
valuable ideas, information & inputs to  
you.

Like, subscribe, follow (why not all 3?)

*Thank you!*



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