

Rethinking Corporate Human & AI/Bot Identities

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Premise: Time to Change Corporate Identity Systems

- Our old legal human system is now badly outdated
- It uses paper, e.g. CRVS (civil registration vital statistics)
- There's no CRVS data standards and no protocol allowing one CRVS to query all other CRVS systems to verify an identity
- There's no ability to biometrically tie the person holding the CRVS paper to the actual person
- There's no scalable legal system allowing for a digital version of ourselves to be registered and tied to the human identity
- There's no scalable legal system to deal with our digital identities when we die
- All of which leads to fraud, misinformation and cost to business

We Still Cling to Old Ways of Identification...

- Use Global Unique Identifiers (GUIDS) within corporate systems which don't work well beyond the enterprise
- Use LDAP directories which are not able to easily keep with rapidly changing relationships for people, IoT and systems
- Use weak identity verification accepting easily frauded identities like driver's licenses, etc.
- Use authentication methods which are relatively easily frauded
- Except for finance, most industries have weak authorization models using roles plus attributes
- Identities can get stale, i.e. weak processes for determining a person's moved out of jurisdictions or deceased
- **All of this leads to fraud and costs**

There's AI/Bots..

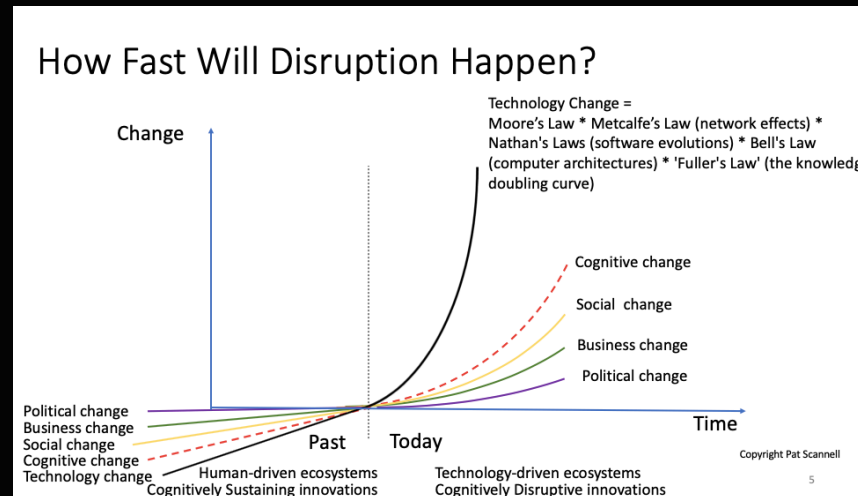
- Lack of a global, scalable system for determining who's a human and who's an AI system/bot
- There's no scalable legal system to register AI/bot identities
- Increasing ability for AI/bots to mimic humans means increasing numbers of potential attack vectors
- This results in increasing fraud and costs

AI Systems Running a Corporation

- GLEIF exists to provide a unique identifier for corporate identities
- However, there's a growing problem with corporations becoming run by AI systems with no human shareholders
- Corporations interacting with each other should know who they're dealing with

Pace of Change

- As if this isn't enough to deal with, corporations need to address the rapid rate of change depicted by this diagram



- In practical terms, it means today's best corporate identity system can quickly become tomorrow's turd due to technology change

New Age Corporate Identity Framework

- **Humans:**
- Leverage a new government issued human legal-self sovereign identity (HLSSI) from birth on, both physically and digitally
- Use this as the foundational identity for:
 - Employees and/or contractors
 - Create a corporate employee/contractor LSSI identity (CEC-LSSI) physically and/or digitally
 - Customers
 - Create a customer LSSI identity (CUS-LSSI) physical and/or digitally
- Any changes to the identity, e.g. legal address, name, gender, marriage status, death, etc. should be automatically notified by the CRVS with the consent of the person

New Age Corporate Identity Framework

- **Virtual Selves/Digital Twins:**
- Leverage a new government issued legal self-sovereign identity (VLSSI) for virtual selves/digital twins which is tied to the HLSSI entry in the CRVS system
- Use this as the foundational identity for:
 - Employees and/or contractors
 - Create a corporate employee/contract virtual identity (CECV-LSSI)
 - Customers
 - Create a customer virtual selves/digital twin LSSI identity (CUSV-LSSI) tied to the legal virtual person LSSI (VLSSI)
- Any changes to the legal virtual identity, with the consent of the person, should be automatically notified to the corporation by the CRVS

New Age Corporate Identity Framework

- **AI Systems/Bots:**
- When the risk requires it, leverage a new government issued identity for AI systems/bots
- Use this as the foundational identity for:
 - Internally generated AI systems/bots – i.e. a Corporate AI/Bot LSSI (CAB-LSSI)
 - Legally identifying external AI/Bot identities the corporation is dealing with
- Any change to the legal status of the AI/Bot should automatically be notified by the CRVS to the corporation with the consent of the AI/Bot owner or, in the future, from the AI/Bot itself

Leverage Rethought Corporate Legal Identity

- The corporation's legal incorporation should be coupled with a GLEIF legal entity identifier
- This should contain notification if the corporation is run by humans or AI systems

Create A System Like This..

<https://hvl.net/pdf/CorporateIdentities.pdf>

Leverage Change From the Global, Independent Legal Identity Test Centre

- Jurisdictions will respond accordingly to risk threat assessments for legal identity verification
 - E.g. very low risk might take months to respond, while a very high risk will be responded to in hours
- Corporations should leverage this to mitigate their own risks
 - E.g. When high to very high risk assessments are published, corporations should check to ensure their own identity systems are equally secure

Change Identity Systems Within the Corporation

- Migrate away from LDAP to Graph based IAM (identity and access management) systems
- Supplement old GUID systems with biometric/behavioral data as it becomes available
- Automate identity federation systems to deal with LSSI contracts with customers
- Be prepared to interface with new emerging personal identity and access management (PIAM) systems from customers

Reduce Risk, Increase Sales & Profitability

- LSSI significantly reduces risk of identity & business theft
- It changes the game regarding advertising, thus decreasing costs and increasing sales
- It also allows a corporation to work globally to the same identity standards
- **ISN'T IT TIME YOUR CORPORATION SUPPORTED LSSI?**

About Guy Huntington

- I do short term consulting for Boards, C-suites and Governments, assisting them in readying themselves for LSSI
- I've written over 30 papers from the bedroom to the boardroom.
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