



Identity Management Policy: The end of the beginning?

Duane Blackburn
Office of Science & Technology Policy

July 28, 2009



Why Identity Matters

US Constitution

We the People of the United States, in order to form a more perfect Union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America.

WE, the People of the United States, in order to form a more perfect union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America.

ARTICLE I

Section 1. ALL legislative powers herein granted shall be vested in a Congress of the United States, which shall consist of a Senate and House of Representatives.

Section 2. The House of Representatives shall be composed of members chosen every second year by the people of the several States, and the electors in each State shall have the qualifications requisite for electors of the most numerous branch of the State Legislature.

No person shall be a Representative who shall not have attained to the age of twenty five years, and seven years a citizen of the United States, and who shall not, when elected, be an inhabitant of that State in which he shall be chosen.

Representatives and electors shall be apportioned among the several States which may be included within this Union, according to their respective Numbers, which shall be determined by adding to the whole number of free persons, including those bound to service for a term of years, and excluding Indians not taxed, three-fifths of all other persons. The actual Enumeration shall be made within three years after the first meeting of the Congress of the United States, and within every subsequent term of ten years, in such manner as they shall by law direct. The number of Representatives shall not exceed one for every thirty thousand, but each State shall have at least one Representative; and until such enumeration shall be made, the State of New-Hampshire shall be entitled to three Representatives, Massachusetts eight, Rhode-Island and Providence Plantations one, Connecticut five, New-York six, New-Jersey four, Pennsylvania eight, Delaware one, Maryland six, Virginia ten, North-Carolina five, South-Carolina five, and Georgia three.

When vacancies happen in the representation from any State, the Executive authority thereof shall issue writs of election to fill such vacancies.

The House of Representatives shall choose their Speaker and other officers; and shall have the sole power of impeachment.

Section 3. The Senate of the United States shall be composed of two Senators from each State, chosen by the legislatures thereof, for six years; and each Senator shall have one vote.

Immediately after they shall be assembled in consequence of the first election, they shall be divided as equally as may be into three classes. The names of the Senators of the first class shall be sorted in the expiration of the second year, of the second class at the expiration of the fourth year, and of the third class at the expiration of the sixth year, so that one-third may be chosen every second year; and if vacancies happen by resignation, or otherwise, during the recess of the Legislature of any State, the Executive thereof may make temporary appointments until the next meeting of the Legislature, which shall then fill such vacancies.

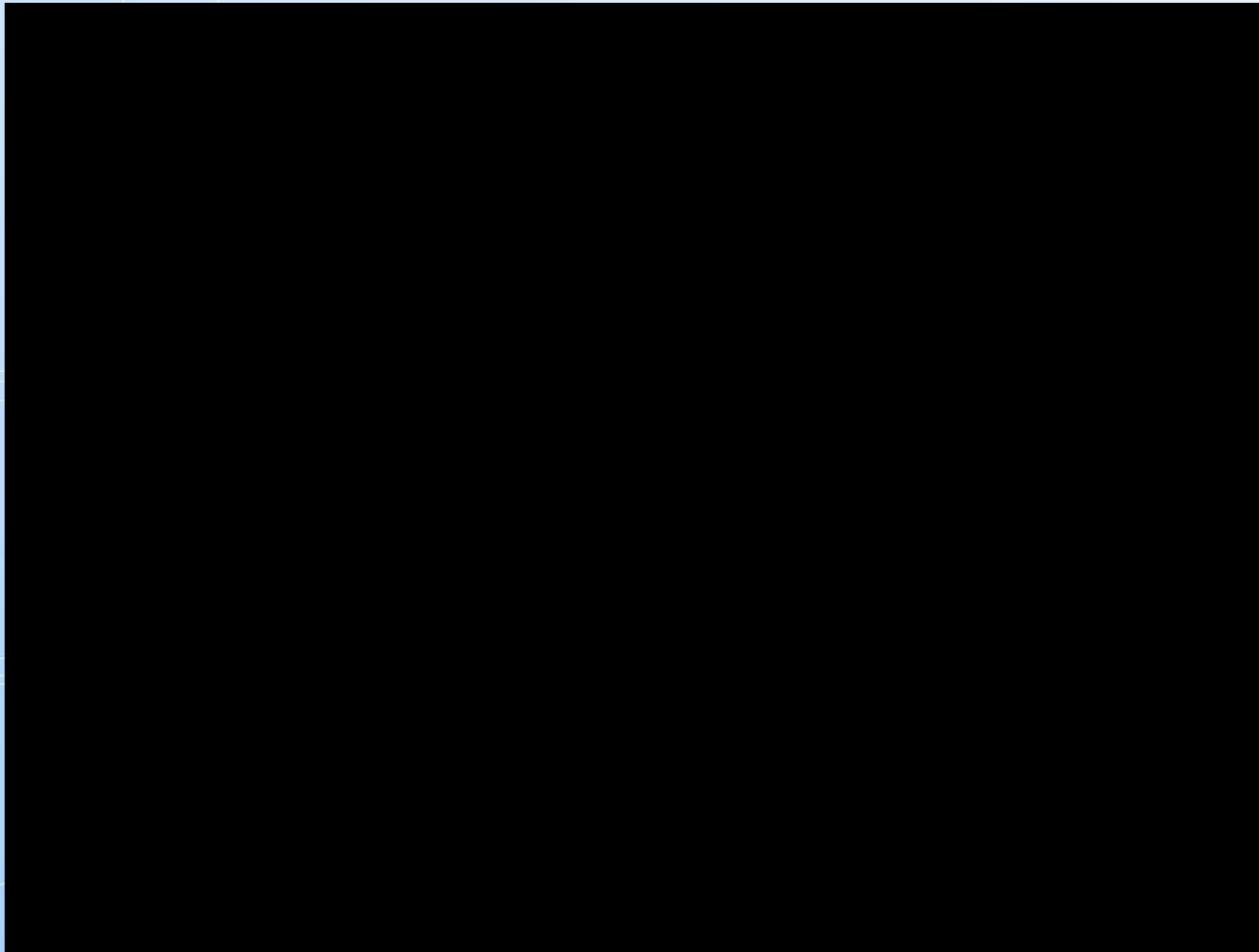
No person shall be a Senator who shall not have attained to the age of thirty years, and seven years a citizen of the United States, and who shall not, when elected, be an inhabitant of that State for which he shall be chosen.

The Vice-President of the United States shall be President of the Senate, but shall have no vote, unless they be equally divided.

The Senate shall choose their other officers, and also a President pro tempore, in the absence of the Vice-President, or when he shall execute the office of President of the United States.

The Senate shall have the sole power to try all impeachments. When sitting for that purpose, they shall be on oath or affirmation. When the President of the United States is tried, the Chief Justice shall preside: And no person shall be convicted without the concurrence of two-thirds of the members present.

IdM Today: Identity Theft



Disclaimer

Use of advertisements in this presentation is for demonstration purposes only and does not imply endorsement of any kind.

IdM Today: Counterterrorism



Disclaimer


Use of advertisements in this presentation is for demonstration purposes only and does not imply endorsement of any kind.

IdM Today: Healthcare



IdM Today: Social Networking

Home | Browse | Search | Invite | Film | Mail | Blog | Favorites | Forum | Groups | Events | Videos | Music | Comedy | Classifieds



"I'm good at crossword puzzles, I'm not so good at people puzzles."

Female
27 years old
Virginia
United States

Last Login:
9/18/2007

View My: [Pics](#) | [Videos](#)

Mail Friend My Group
Forward Favorite Block Rate

www.pimp-my-space.com

MySpace URL:
<http://www.myspace.com/>

Hello, you either have JavaScript turned


is in your extended network

's Latest Blog Entry [[Subscribe to this Blog](#)]

[[View All Blog Entries](#)]

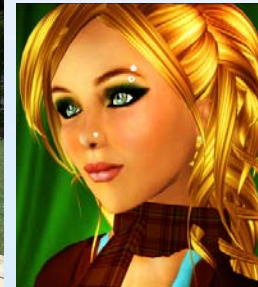
's Blurbs

About me:



MySpace Layouts: [at Pimp-My-Profile.com](#) / Autumn haze

I'm a wife, a mother, a friend and a daughter. It's hard to believe that Steve & I have been married 4 years this summer



's Blurbs

About me:
I'm a graduate student in the Physics Dept. @ . I'm currently working on my PhD in astronomy. Outside o' school, I enjoy relaxing and just having fun -- either by myself or with friends. I like to read, watch TV, go to movies, play games and party occasionally.

Who I'd like to meet:
Looking to make friends and -- hopefully -- find Mr. Right someday.

's Friend Space

has 95 friends.

The past cannot be changed, but the future is still in your power."



Female
24 years old
Washington DC
United States

Last Login:
9/19/2007

Mood: excited

View My: [Pics](#) | [Videos](#)

is ready to have this baby

's Latest Blog Entry [[Subscribe to this Blog](#)]

[[View All Blog Entries](#)]

's Blurbs

About me:
baby-gaga.com



This is it! I'm done squirming around in here! Unless I'm feeling ultra snugly... I'm 39 weeks & 1 day old, only 6 days to go!

Message Forward

Disclaimer

Use of advertisements in this presentation is for demonstration purposes only and does not imply endorsement of any kind.

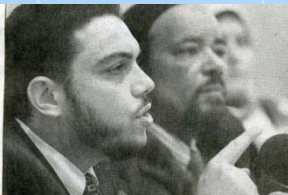
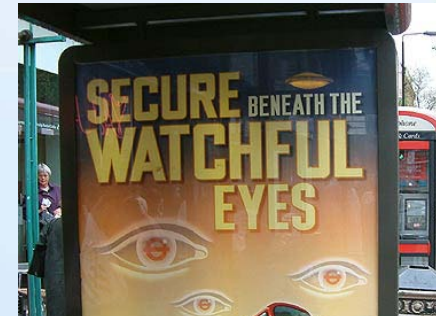
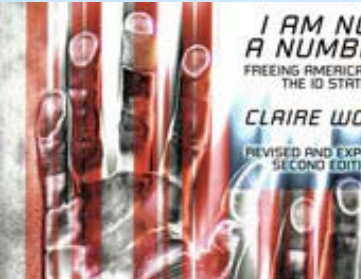
IdM Today: Object Identity



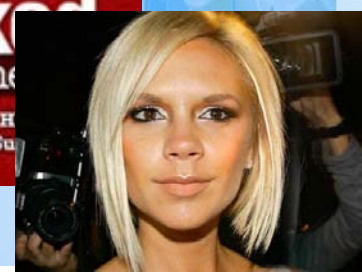
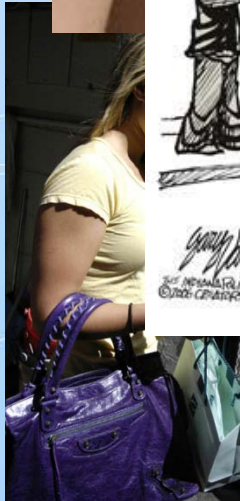
Disclaimer

Use of advertisements in this presentation is for demonstration purposes only and does not imply endorsement of any kind.

IdM Today: Privacy Invasion?

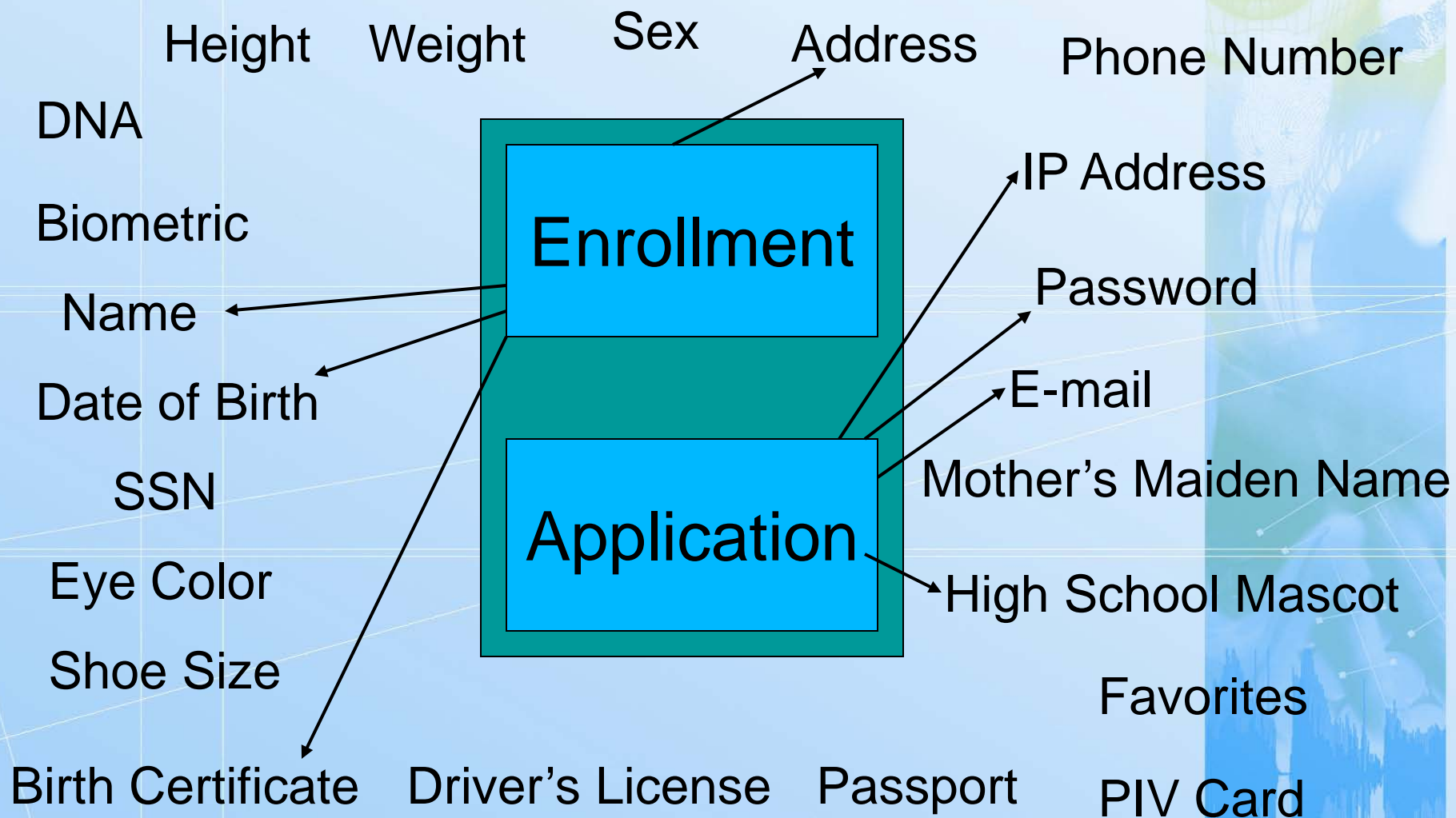


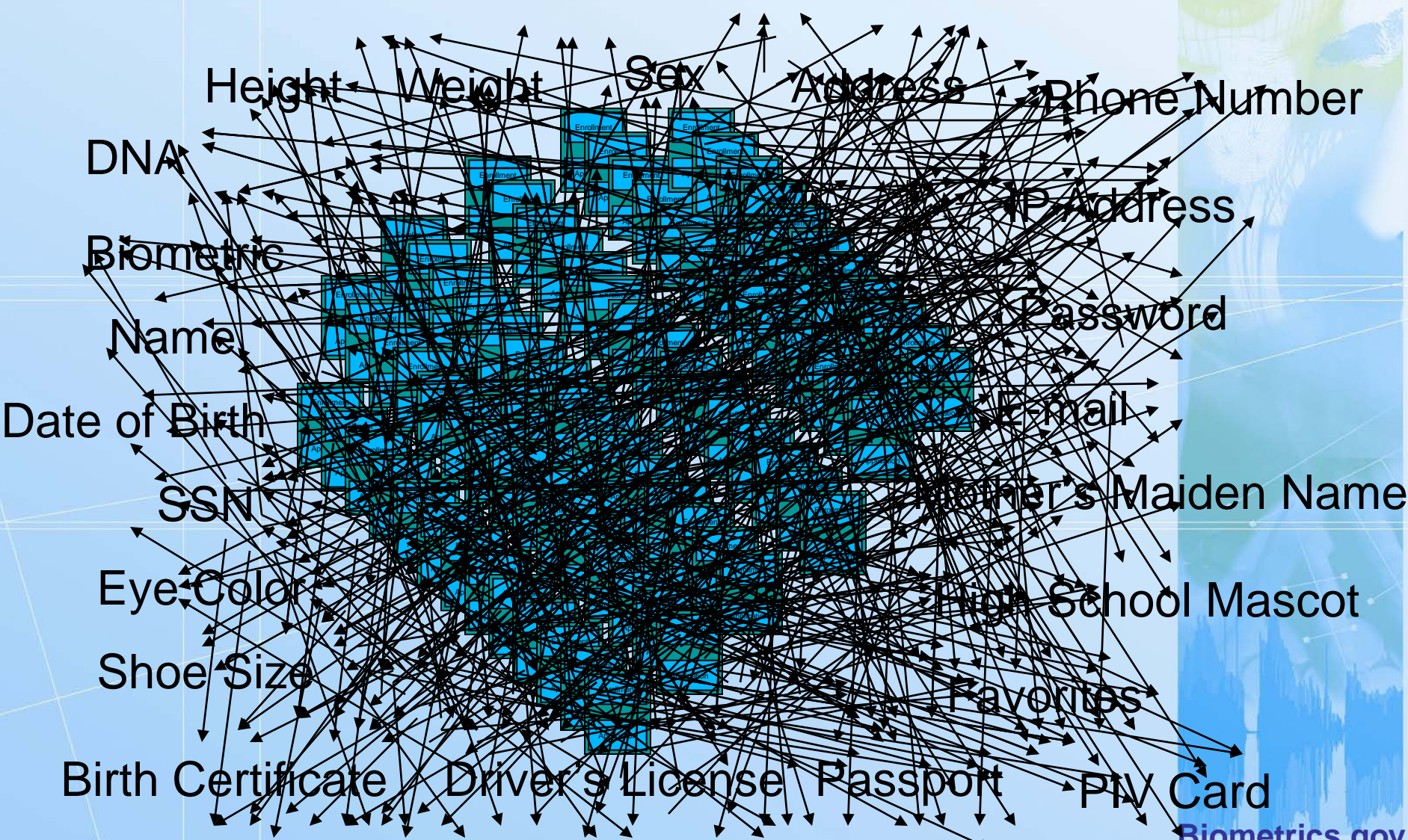
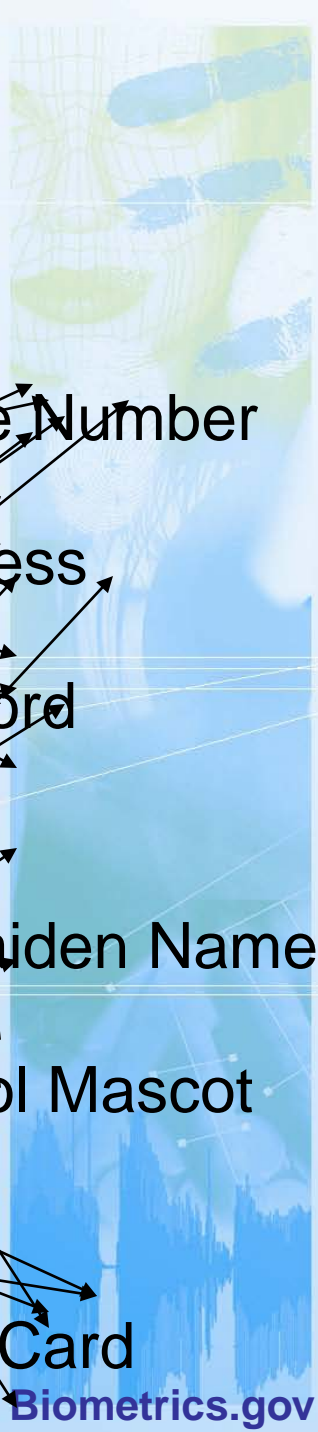
Muslims voice privacy concerns
Esam Omesh (left), president of the Muslim American Society, speaks Saturday at a Chicago news conference on his group's concerns about the federal government's radiation testing of



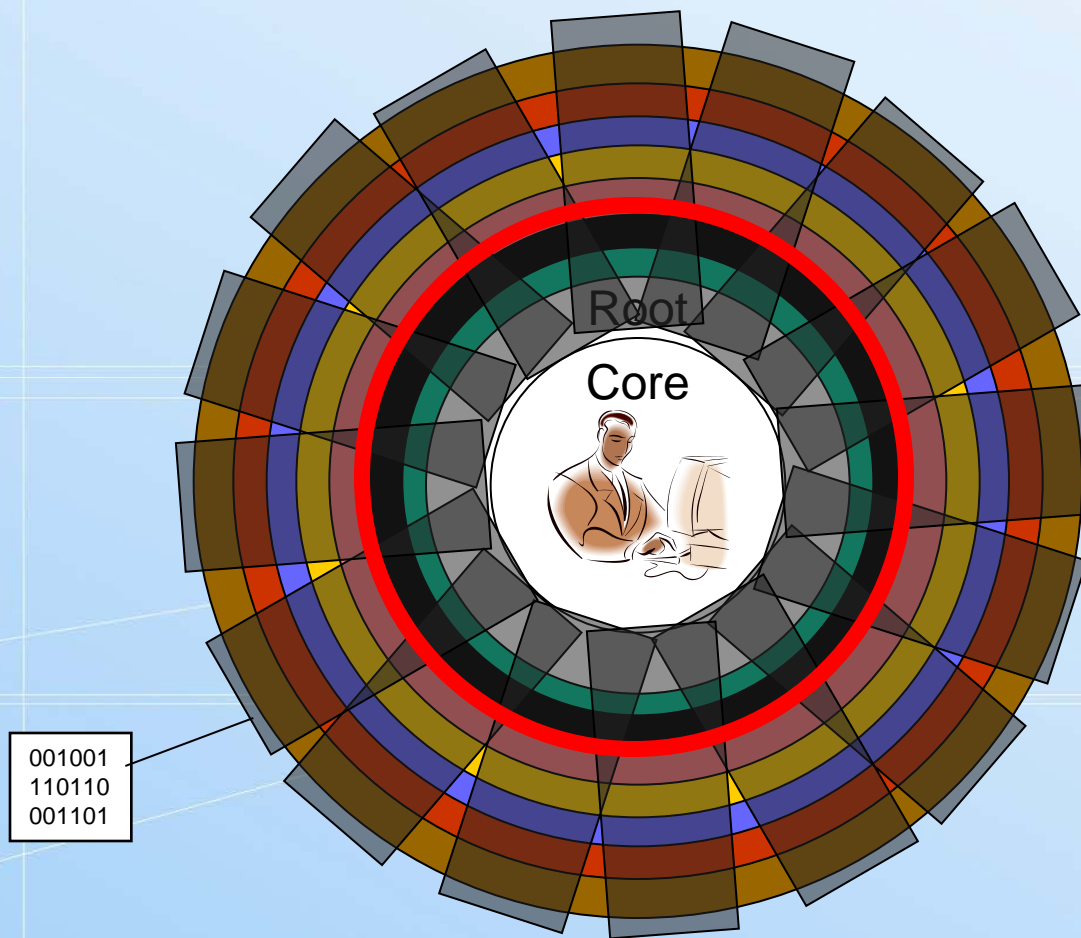
Use of advertisements in this presentation is for demonstration purposes only and does not imply endorsement of any kind.

Building an IdM System





Identity Concentricity



One individual (core)
Multiple identities/identifiers

Evolution of IdM Consciousness

- My little system
- My system and its partners
- My system, partners and others that influence us/them
- Collaboration within sectors of interest
- Enlightenment on need to view this holistically
- Holistic studies
- Holistic/individual action



Government-supported Studies/Work

- President's Identity Theft Task Force
 - 2006-2007
- NSTC Task Force on Identity Management
 - Jan-Jul 2008
 - First Holistic Analysis
- NSTAC Identity Management Task Force
 - Dec 2008 – May 2009
 - External Advisory Committee
 - Initial tasking: Secure Authentication via Internet
- OECD/WPISP
 - Mar 2008 - Present
 - “The Role of Digital Identity Management in the Internet Economy: A Primer for Policymakers”
- CIO Council's ISIMC
 - Established 2008
 - Addressing USG Credentialing issues
- 60-day Cyber Security review
 - Feb-May 2009

Common Themes - Importance

- Identity Management is a critical, though often underappreciated, component of successful applications in a variety of sectors
- IdM can help remove barriers to collaboration and innovation by ensuring trust
- People/things have only one “true” identity, but several aliases with varying degrees of confidence in the linkages to the “true” identity.
 - How to enable and manage these identities properly in a single application is difficult, but is even more difficult across interconnected systems
- IdM activities in one application impacts and relies upon others, though these impacts aren't normally understood or accounted for

Common Themes – R&D

- Technology available now is good, but improvements are needed to improve capabilities, resiliency, privacy protection, convenience and security
- Research is needed on how to best combine different technologies
- Researcher access to useful data is an inhibitor
- Side to side comparisons of technology options is difficult/confusing and isn't keeping pace with new products

Common Themes - Standards

- Interoperability is difficult if the systems do not share definitions and data structures
 - Increases the chance of errors, which would be propagated throughout the interconnected systems
- Market-based and consensus-supported standards most likely to be universally accepted
- The existence and use of universal standards (or lack thereof) is often viewed as an indicator of a market/technology's maturity

Common Themes - Privacy

- Improving IdM can actually enhance privacy protection over the status quo – if done properly
- Outreach is an important aspect of privacy policy
 - Even if the privacy policy is correct, negative public perception will scuttle a program quickly
- Privacy isn't just for lawyers
 - Building protections directly into the technology will provide greater assurance that the protections are implemented thoroughly and consistently.
- A single IdM privacy breach creates enduring problems in multiple systems
- Privacy and security aren't mutually exclusive

Common Themes – Need for Governance

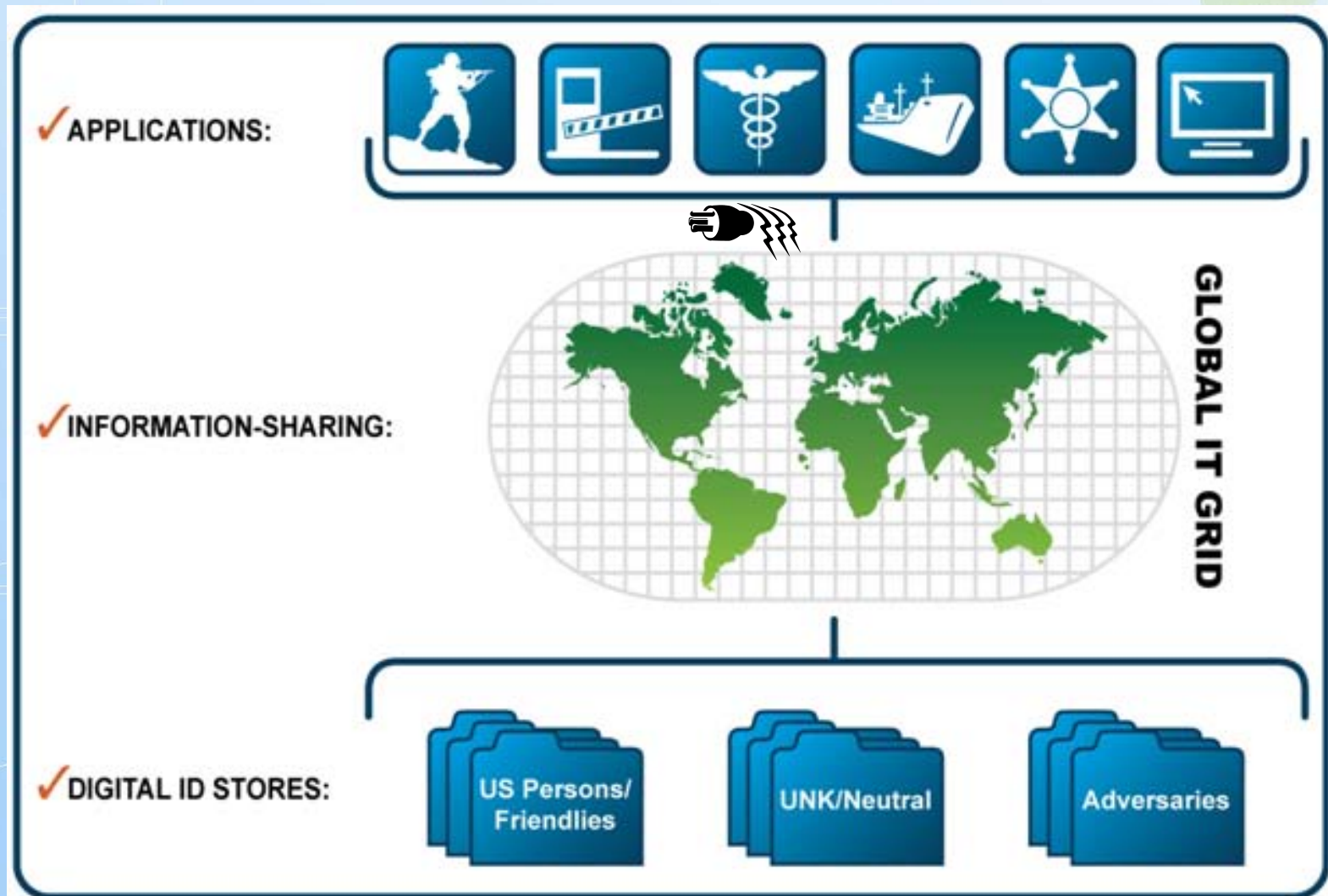
- Identity-based systems are inherently connected to one another. Overall governance is required to manage this properly rather than ad-hoc or not at all
- All levels of government have the responsibility to ensure the safety and wellbeing of its citizenry – and IdM has clear impacts on national security, the economy, cyberspace, and individual healthcare
- Government must provide leadership and work with all stakeholders to create favorable conditions for the development of IdM that benefits users

What about cybersecurity?

- Identity management is a small but critical component of cyber security
- Cyber security is a small but critical component of identity management

- Which of the above you initially think of depends on your background – but both are true

Other Interesting Points – NSTC Future State Vision

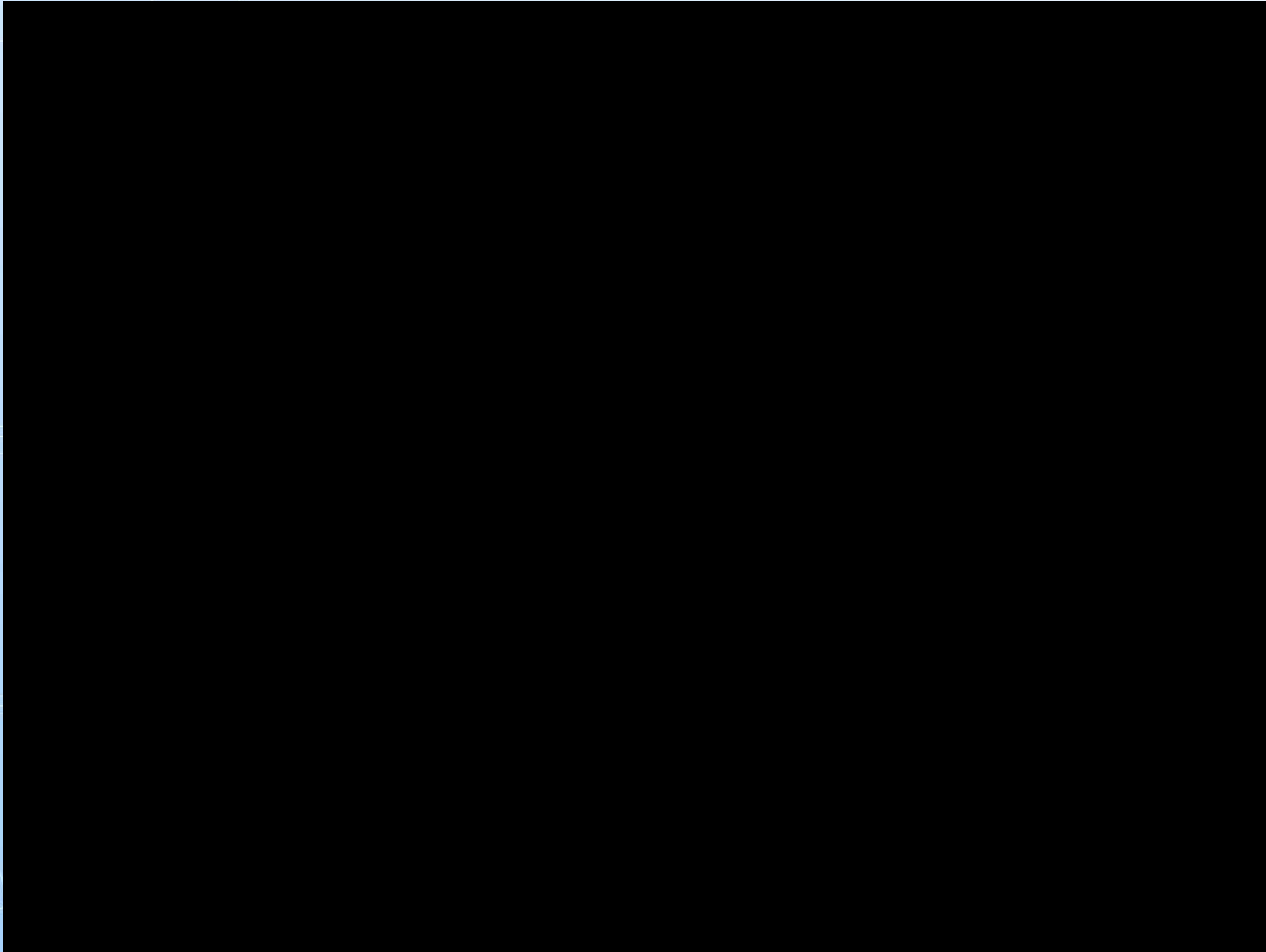


Looking to the Future

- Standards development
- Policy coordination
- Public/Private partnership



We certainly want to get this right...



Disclaimer

Use of advertisements in this presentation is for demonstration purposes only and does not imply endorsement of any kind.

Duane Blackburn

dblackburn@ostp.eop.gov

202-456-6068

