

Creating a Humanized Internet

The Role of Digital Identity – A Framework

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Abstract—The concept of building a more Humanized Internet with a digital identity as a service at its core: a self-organizing model where people are allowed to take control of their own destiny is presented in this paper. This newly created Humanized Internet will be built with new models and value creations in mind centered around the 5 P's – People, Purpose, Participations, Platform and Productivity with Identity being core and key control parameter of freedom and security in the modern socio-economic system. As the future of identification will be shaped by not only commercial applications with identity standard and control being core, in order for the Humanized Internet and Digital Identity as a Service being materialized three “Proof-Of-Survivals” are presented and recommended:

- Unambiguous Global Digital Identity for Refugees/Immigrant Families for the purpose of Human Trafficking Prevention
- Personal App/Bot for Refugees/Immigration Families
- Care drones for connectivity, search/rescue/security, delivery of Food & Clean Water as well as Medicine.

We are at a cross road right now, where digital has the ability to transform the way in which we do things – and when it comes to identity, there is a strong consensus that innovating and transforming a system that supports the UN 2030 Sustainable Development Goals is the way forward. It will furthermore also unleash a whole new era of personal innovation, creativity and free-thinking lifestyles.

This paper commences with the definition of “Digital Identity as a Services” and describes the intersectionality with a “Humanized Internet.” The authors propose a concrete architecture and potential solution. One of the authors captures the voice of a refugee and articulates necessary tools

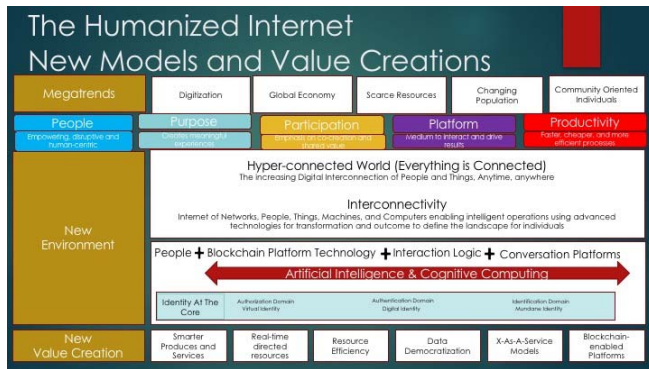
that are needed to fulfill Digital Identity as a Service in addition to potential barriers.

Keywords— Humanized Internet, Digital Identity, Block Chain, Drones

I. INTRODUCTION

According to the UN, about a fifth of the world population doesn't have a legal identity, that's about 1.5 billion people out of the 7.4 billion globally. Furthermore 230 million children under the age of 5 do not have a legal identity while there are currently 60 million stateless people and refugees. [1] This represents a problem at global scale that is growing children and adults that are invisible to society, ones that don't exist and as such are vulnerable to human trafficking, position and child abuse. Concurrently our world is in constant flux and society is becoming more fluid as ever before. Working with desperate people who are seeking new lives in new countries, the notion of a current top-down system used to administer these extreme global and societal shift, is simply no longer adequate for the fluid-thinking global citizen of tomorrow. What is needed is moving from an old-school top-down bureaucratic system into a self-organizing complex system that allow any global citizen of tomorrow to take control of their own destiny, self-relocating as they like and minimizing stress, desperation and uncertainty. A move towards a model for a new era where personal innovation, creativity and free-thinking lifestyles is encouraged and supported. Solving these type of pressing problem of humanity with new technology while harnessing and keeping the values we have as a global society should be a top global mandate. This is the ultimate goal of the Humanized Internet and Digital Identity As A Service.

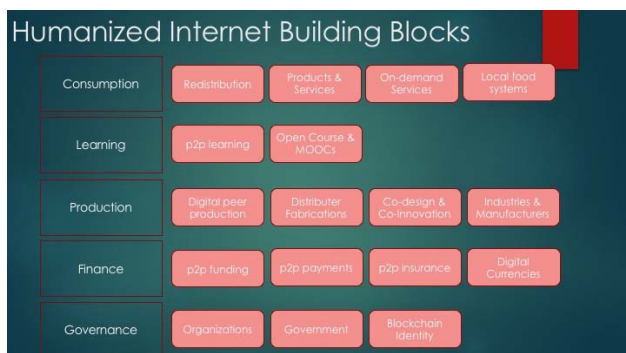
II. IDENTITY AS A SERVICE



The Architecture of the Humanized Internet – Identity As A Service are built around various building blocks that comprise the entire solution with the ultimate goal of creating a new environment and values such as promotion of well-being, increased human capability, liberties and converged and hyper-connected world. A Blockchain-enabled Platform with a Digital Identity with data, privacy and security by-design from the start forms the core component of the new environment. Identification, Authentication and Authorizations are separated to allow for faster roll out of basic digital identity credentials.

The Humanized Internet establishes 5 areas of focus:

1. Human Centric and Empowering: People powered platforms that create interconnections between users and communities globally.
2. Human Purposeful and meaningful Experiences: Solutions that work for, and, with all stakeholders. Multiple channels of communications and the notion that everyone can further his or her purpose in life.
3. Human Platforms that drive interaction and amplify human interaction with powerful data.
4. Human Productivity that is greatly improved: Crowd applications for civic activities, disaster relief and humanitarian work.
5. Human participation that is value shared and co-created. The power of participation of all humans to accelerate innovation.



III. EXAMPLE FOR A SOLUTION

While governments can issue various forms of physical identification, online identities and digital entities do not recognize national boundaries. While it is downright impossible to establish a global entity overseeing digital identities given that there is common backlash against even national identity cards. Blockchain technology may offer a way to circumvent this problem by delivering a secure solution without the need for a trusted, central authority. A new mode for global privacy-preserving identities is needed.

A personal App/Chat Bot system could be built that enables, much like AirBnB, people with an extra room or even extra home to rent space to short-term stay for guests, a similar system could be designed to match refugees with prospective host families.

People in transition, can register themselves leveraging the Blockchain-enabled-digital identification system, through a smartphone (App/Chatbot) or phone call by providing required credentials. By matching GPS locations and profiles stored on the Blockchain, refugees can both arrange and secure their location before arrival. The system would be comprised of:

1. The App/Chatbot: Blockchain-enabled backend platform marketplace that have the digital identity stored which connected host families and refugees.
2. Host Family: Those with extra space register themselves onto a Blockchain-enabled marketplace. A profile of each member of the family coupled with photos/video of available space and other relevant information.
3. Refugees: Those who need assistance register themselves family into the marketplace. The marketplace becomes the main form of communication for many refugees.
4. Assistance: Refugees needing assistance apply for government support and other support. The marketplace serves as a refugee management system information recipients of qualification rules, limitation, acceptance policies and expectations. Furthermore “arrival training” for adults, translation services, helping kids find schools, medical care when needed, jobs and any other required support.
5. Transportation: Anyone can request travel information via Uber-like services such as Uber-like boats, planes and cars.

IV. VIEWPOINT FROM A REFUGEE

A real life scenario was described by a Syrian citizen who had moved to Greece through a student visa. While in Greece the very passport documents that allowed the refugee into Greece was lost and created a situation where all movement to and from Greece was restricted – he was a “prisoner” without the government issues identity document called a passport unable to go anywhere.

The requirement for a decentralized system with very strong privacy, security and transparency foundations build into the core where every refugee is registered while protecting their and their family’s privacy.

V. CALL FOR ACTION

What is presented is a framework and concept for change. While identity is necessary, by itself, it is not sufficient. A global transformation of the current system into a complex self-organizing one must provide freedom of state and choice to every and each human being. A system that is accessible, secure, portable and transparent and one that will offer self-sovereign Identity where all peers are equal, free and protected. A transformed system where people are allowed to take control of their own destiny, self-relocating as they like, we can unleash a whole new era of global and personal innovation, creativity and free-thinking lifestyles.

Blockchain technology might be the answer to enable such vision and change at the global level. The goal is to develop a joint solution and build a prototype leveraging technology with governments, policy maker and refugees and others around the world while also applying lessons learned from previous and current initiatives of similar nature around the world.

REFERENCES

[1] United Nations, “The Sustainable Development Goals Report 2016”