

BitRegistrar: A Peer to Peer Vital Records Registration System Using BitCoin Blockchain

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Abstract: A purely peer-to-peer version of personal, individual, and collective vital records would allow for the registration of vital human records by the persons affected, independent of the claims of geo-political states. Such a system would be based on BitCoin digital signatures, and would store the vital records in an encrypted, but recoverable form, as data on the blockchain. While it is acknowledged that use of the BitCoin blockchain for data storage is considered a 'mis-use', in this instance, given the public benefit it would provide, collectively, and individually, and the efficiency with which these records may be stored, I propose that the data store capabilities within the blockchain be used to place vital public records for surety of recovery. The records that would be stored would include Birth, Death, Marriage, Divorce, Property, and other records vital to individual freedom and personal liberty here on earth.

Introduction:

Throughout history the rights of humans have been abused individually and collectively by the corrupt powers that arise in government institutions. This is true without regard to geo-political identities, and is merely an issue of time. Corrupt actors within government use vital records as a powerful tool to disenfranchise whole populations. Further, governments also, through their servitude to central banks, seek to 'monetize' their citizens at the time of birth through the use of forced registration procedures that violate natural law. In millions of instances, the forced disenfranchisement is achieved through the destruction of vital records such as Birth, Death, Marriage, Divorce, and Property recordings.

Consider that tens of millions of 'state-less' persons exist at any given point in time. This is primarily due to war, and other forms of political instability including forced enslavement, 'racial cleansing', and economically motivated eviction. Such persons suffer at many levels, not the least of which is loss of access to vital records. These records are claimed as necessary by all states, and non-governmental-organizations in the course of rendering aid to state-less persons. Such records are also use to establish legal ownership rights in all cases, and are key elements in recovery of property by displaced persons.

To the oppression of states, we need also now, much more so than in the past, add in the destructive force of climate and earth changes.

Consider that a man and his pregnant wife, forced from their residence by political oppression, storms, war, or other disaster, may leave under dire circumstances, and in the course of their flight, they may become parents. The birth of their child as refugees places special burdens upon all their lives. As refugees they would lack ability to properly establish the existence and rights of their child, as well as the preservation of vital information such as date of birth, time of birth, parents names et al. The lack of this information can distort a human life forever.

Further issues arise when local government officials are corrupt and use their registration 'authority' to deny rights. Relationships, right to marry, and enter into contracts, to have ownership rights to property, all these are at the mercy of corrupt un-civil 'servants' throughout history, and independent of geography or nation state borders.

Proposal to the BitCoin Community:

As individual public records registration is so vital a function in a globally interconnected humanity, it is my proposal that developers be allowed to produce applications that would allow for any party to register their own vital records as data stored on the Bitcoin blockchain. This could be easily accomplished using the pruning principle implied with the PROVEN_UNSPENDABLE state in script handling in which data that follows this tag is stored, not executed/evaluated, and is only held by primary (repeating) nodes. In this way, only larger scale data facilities would be tasked with the extra burden of this data.

It is further proposed that the records be stored in formats to minimize their impact on the blockchain, but also that records, even though necessarily based on personal private/public key combinations, be able to be retrieved through some form of public process in the event of proof of death of the owner (this would allow for orphans to recover vital records of parents). Necessarily this would be a very messy process in order to protect personal privacy, however, it also need to be declared as part of all registration software products that these are individual vital records, they are also part of the collective public records, and as such inheritance rights should be considered in the construction of standards for retrieval by 'non-address owners'. If it is to be allowed at all.

As there are additional expenses involved in supporting this vital records function, I further propose that a standard similar to data mining be established in which 'registration software' would provide payment to the primary nodes as a matter of 'registering the record' for the user. This would be a one time fee paid to the first node to process and store the data (or other suitable plan as may be devised by the bitcoin community). It is my thinking that millibit pools could be formed for the continued payment of this vital service over time.

It is further proposed that all vital public records be stored free of charge. These would include birth, death, marriage, and divorce. The expenses for these public records could be carried by persons registering property within the blockchain. Such property registrations could be assessed a fee at the time of registration that could be split to provide specific payments to the issuing software, the first node holding the property registration, and micropayments to the collective pool for vital records support. Charges would also deter spurious registrations, and could be scaled based on activity at an individual level, thus adequately charging for the extra burden placed on the blockchain processing by the primaries.

Conclusion:

The function of vital records registration, as with money/currency, is too central to human existence in a digital age to be left to the instabilities of governments. This proposal starts us collectively discussing our rights as individuals on this planet, including the right to registering our own vital records without censorship, coercion, and corruption, that we know as government, getting in the way.

The BitCoin blockchain provides a planet wide repository validated by all humans (potentially) that removes government from the equation. Disputes over vital records in any legal forum could be supported or denied based on blockchain evidence freely, and publicly gathered. This would curtail corruption of the records process wherever available. Despite geo-political instability, a global record would, at some point, trump all other counter evidence from competing systems all of which are unverified, and require 'trust' in local registering 'authorities'.

Toward this end of relieving human suffering, and dis-empowering corrupt officials, I need to announce that within a short time we here at halfpasthan will be launching a BitRegistrar application that will perform as outlined above. We will announce at this site when the application is available. It will be provided free of charge, though it will assess fees as required to support blockchain activity within its function.

As this program will perform new, and not yet discussed functions on the spine of the blockchain, I felt it necessary to provide this paper as a point of discussion of the essential topic of vital records registration in the Bitcoin age.