GOLD DIGR White Paper – 2025, Ver 8

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"Control crypto before crypto controls you"

Abstract:

This paper contains a proposal for a **State Depository Token (SDT)** backed by a State-regulated depository similar to Texas House Bill 1056 and House Bill 1049, including an overview of historical forces and a system design. My goal is to create a production system via State funding, grants, etc. With today's AI, three people could build this in three months.   My background is eclectic and spans startups, corporations, State and Federal systems for 35 years.

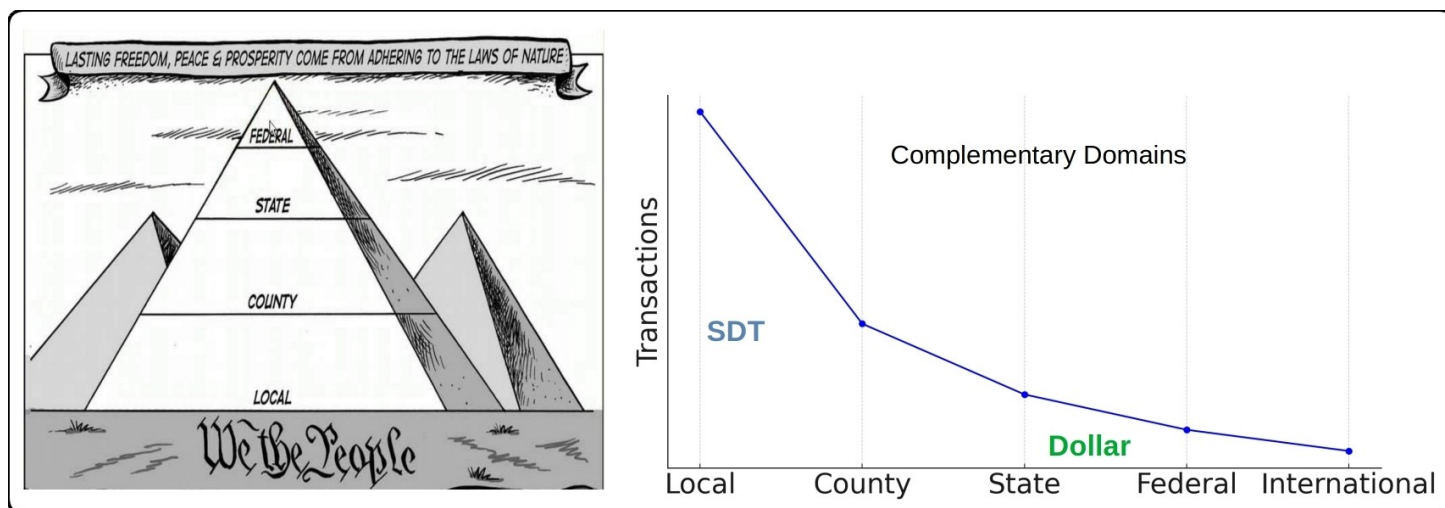Design and code for a prototype system is at https://github.com/broward/token.

Law Of Demeter is a systems design principle to reduce complexity and optimize efficiency. It states "An object should have minimal knowledge (dependencies) of other objects; paraphrased it says that "closer is better".

Buddhist Economics is a similar design paradigm which states "production from local resources for local needs is the most rational way of economic life... imports from afar.. are uneconomical... exceptional cases".   You design successful systems around commonality, not exceptions.

Parasocial relationships are one-sided, where one party extends energy and time with the other party unaware of the other's existence. The dollar is an increasingly parasocial relationship which transfers value from citizens to an elite minority, just as a celebrity profits from fans with no knowledge or concern for them.
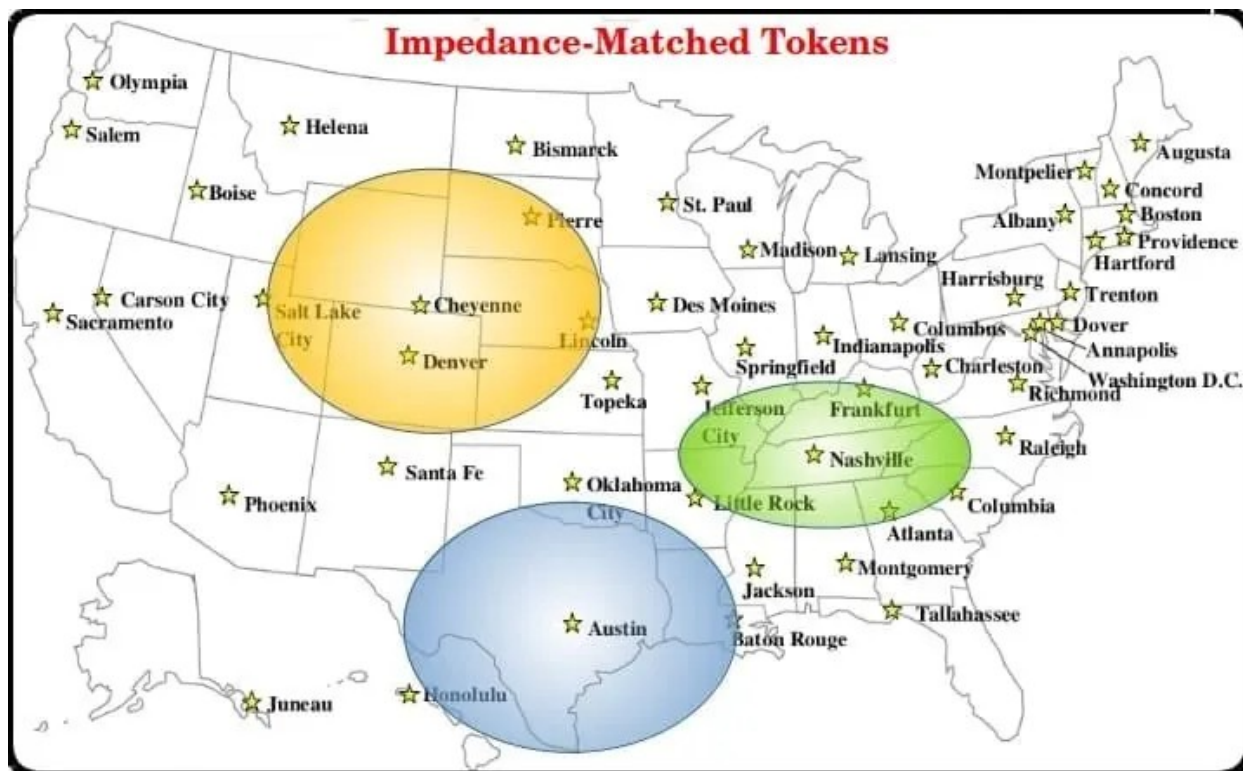
SDT Overview

Imagine a monetary system which conforms to the reality of economic transactions. Transactions are a mirror of relationships. Relationships are largely a function of location. For many years, the US monetary system was a rough approximation of this. Call it an "impedance-matched currency" or SDT.
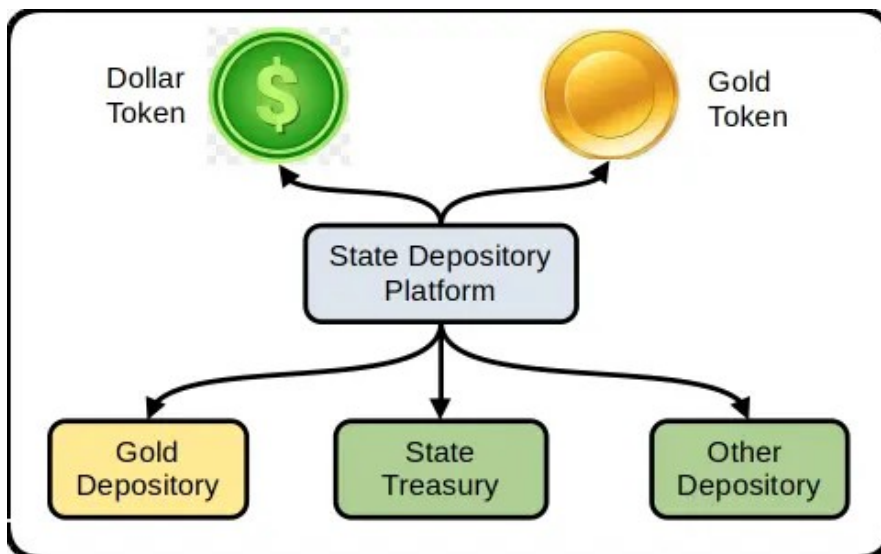
Impedance-Matched Token

The Euro is somewhat like harnessing a horse, a mule, a dog and a turtle to pull a wagon. A "one size fits all" strategy creates stresses because regions have different resources, skills, goals. Most economic transactions are local and an SDT would be controlled locally.

An SDT platform can adapt to regional conditions, support cash-equivalent or US dollar tokens and use multiple value depositories to guarantee token value.   Unlike Bitcoin, tokens have no intrinsic value and can be replaced if they are lost or stolen. Their value resides in the asset they represent, which can be gold, dollars, cattle, oil, real estate or even Bitcoin itself.

Link to Regional Development Strategy

Link to State Exchange System

Link to Nationwide Pending Legislation for 2025

Historical Background

This current period of fiat currency has already lasted longer than previous fiats of the past several hundred years and contrary forces are aligning against it. Russia and China have planned to end the fiat dollar for fifteen years, the US dollar is ripe for replacement as the world reserve currency, and the current Federal debt is unsustainable.

Gold Standard

The longest period in modern history without a gold standard is now; from 1971 to 2024 or 53 years. The last major gold standard system was the Bretton Woods system, which operated from 1944 to 1971. The United States briefly abandoned its gold standard in unusual situations (Civil war, World War 1, etc). Russia's and China's central banks has steadily increased gold reserves since 2009 to over 5,000 metric tons.
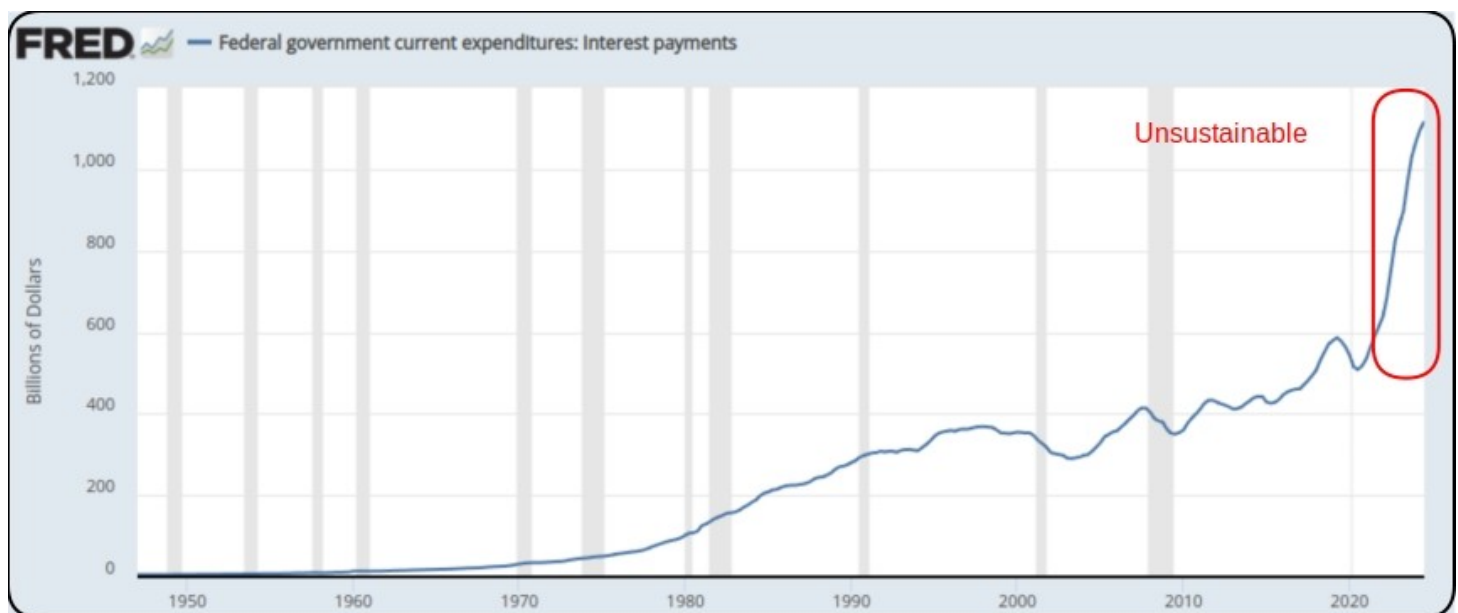
Hegemony

Western hegemonic empires since 1400 A.D. had an average lifespan of 95 years and the United States has already exceeded that. The world reserve token is usually a function of the current hegemony.

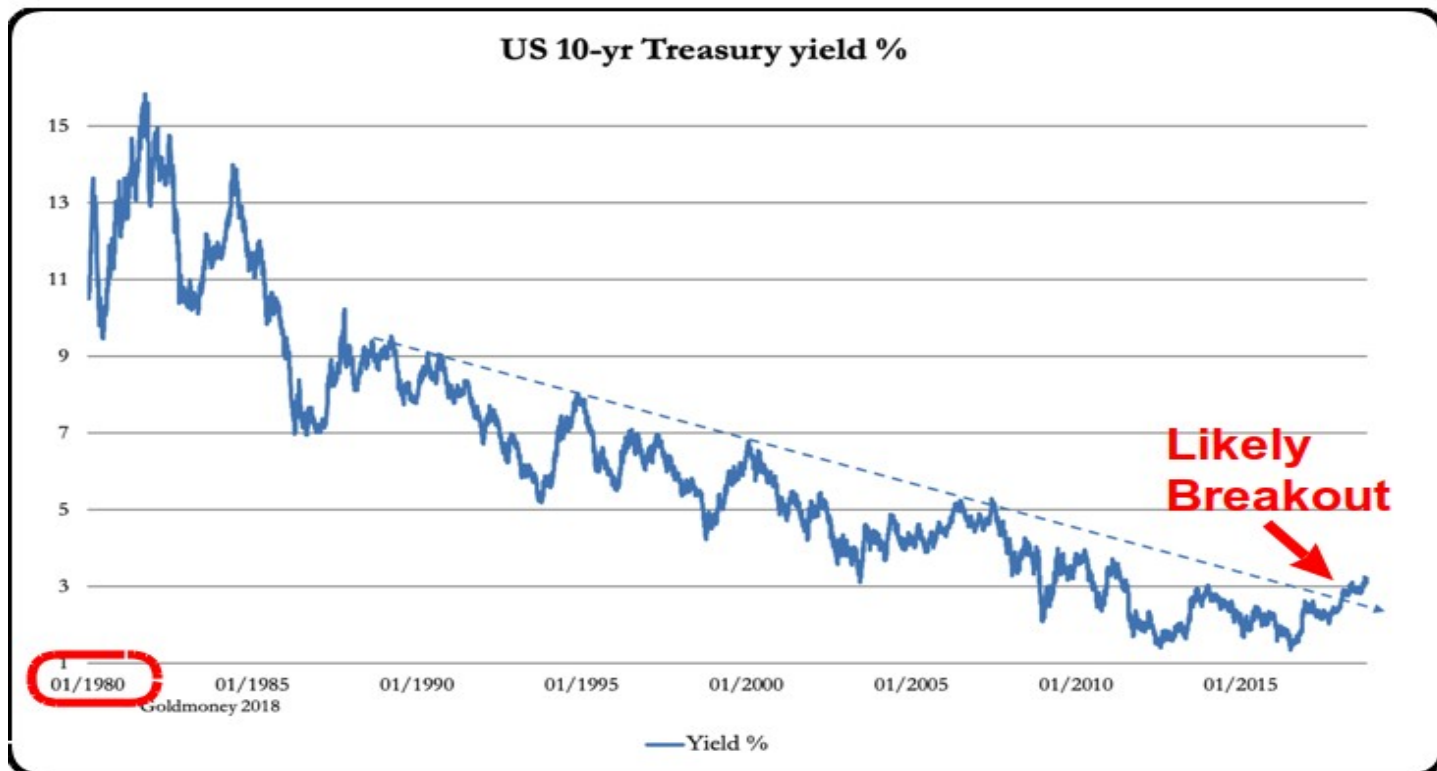| Country	Dates	Duration	Currency
Portugal	1450 to 1530	80 years	Real
Spain	1530 to 1640	110 years	Escudo
Netherlands	1640 to 1720	80 years	Guilder
France	1720 to 1815	95 years	Franc
Great Britain	1815 to 1920	105 years	Pound
United States	1920 to 2025	(105 years)	Dollar

Interest Payments

The current rate of increase in Federal debt interest payments is unsustainable.

"Debtors never believe debt matters… until they're dangling over a vat of acid"
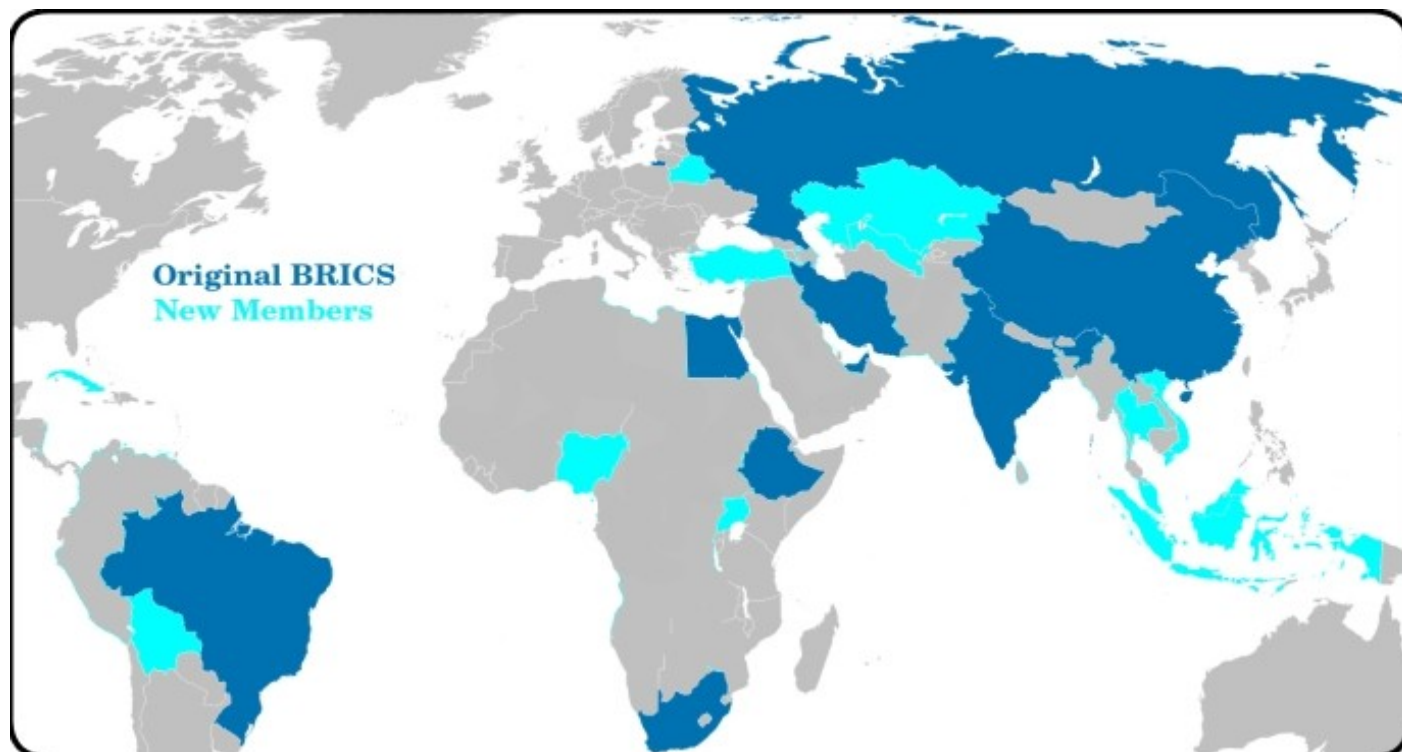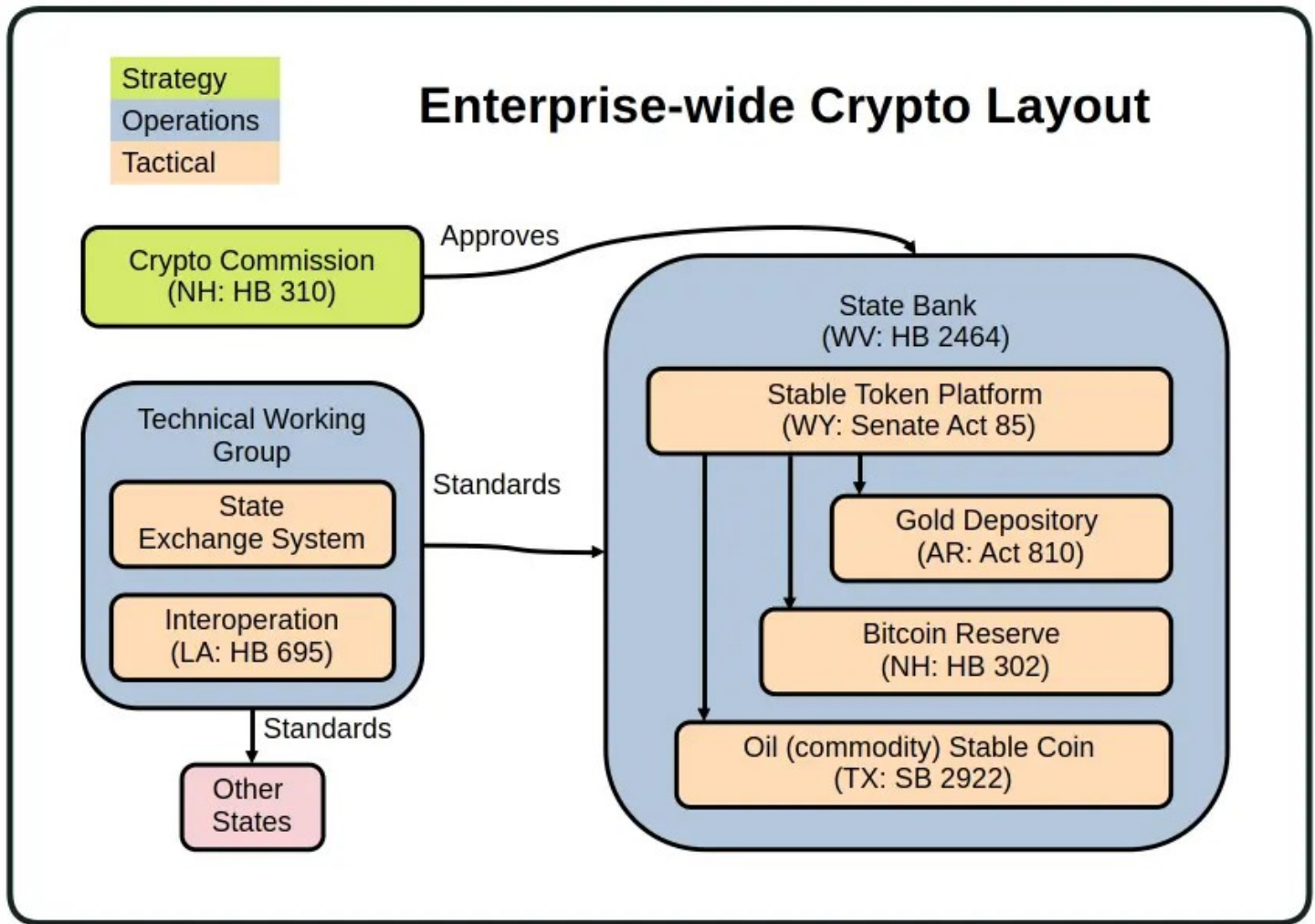
Interest Rates

As debt increases, rates must fall to maintain equilibrium. Interest rates during the credit upcycle (1980 to 2020) have fallen as far as investors will tolerate. A trend reversal to higher rates will be disastrous for the current debt.

US 10-yr Treasury yield %

Likely Breakout

Goldmoney 2018

— Yield %

De-dollarization

The BRICS coalition will use their oligopoly power to control commodity prices and bypass the US Dollar. BRICS control 50% of the world's food supply, 70% of the microchip supply (China + Taiwan) and almost 50% of world oil reserves. As of Oct, 2024, 13 more countries joined BRICS as limited partners.

Original BRICS
New Members

Enterprise-wide Crypto Layout

Strategy
Operations
Tactical

Crypto Commission (NH: HB 310) — Approves → State Bank (WV: HB 2464)

Technical Working Group
- State Exchange System
- Interoperation (LA: HB 695)

Standards → State Bank

State Bank (WV: HB 2464)
- Stable Token Platform (WY: Senate Act 85)
- Gold Depository (AR: Act 810)
- Bitcoin Reserve (NH: HB 302)
- Oil (commodity) Stable Coin (TX: SB 2922)

Standards → Other States

This is an example roadmap featuring serveral current State crypto acts and pending bills organized into a comprehensive structure.

New Hampshire Crypto Commission, HB 310

West Virginia State Bank, HB 2464
Technical Working Group

Wyoming Stable Token, Senate Act 85
Arkansas Bullion Depository, Act 810
Texas Oil-based Stablecoin, SB 2922
New Hampshire Digital Asset Act, HB 302
Louisiana Interoperation, HB 695
State Exchange System

GOLD DIGR Proposal

This is a high-level overview of how the SDT platform works.
Github source code is at https://github.com/broward/token

DEPOSITORY: stores value such as gold / currency / other
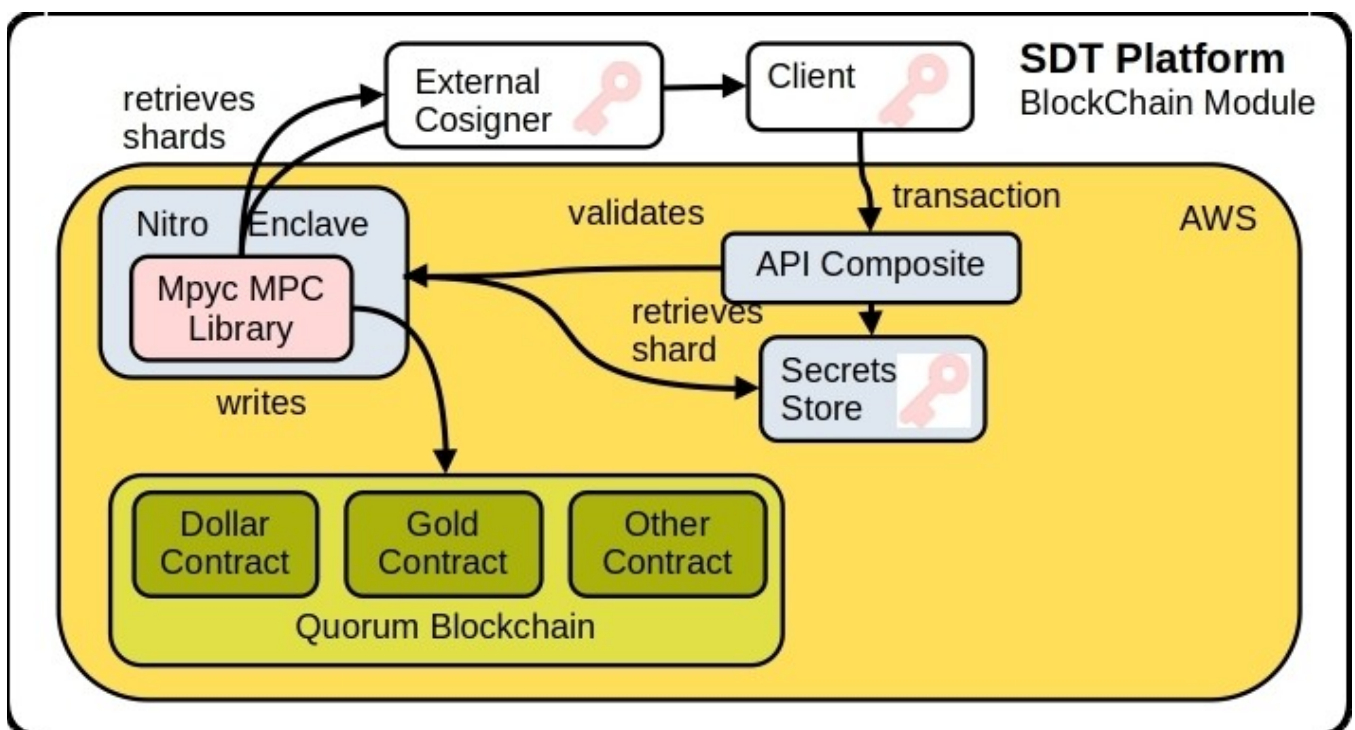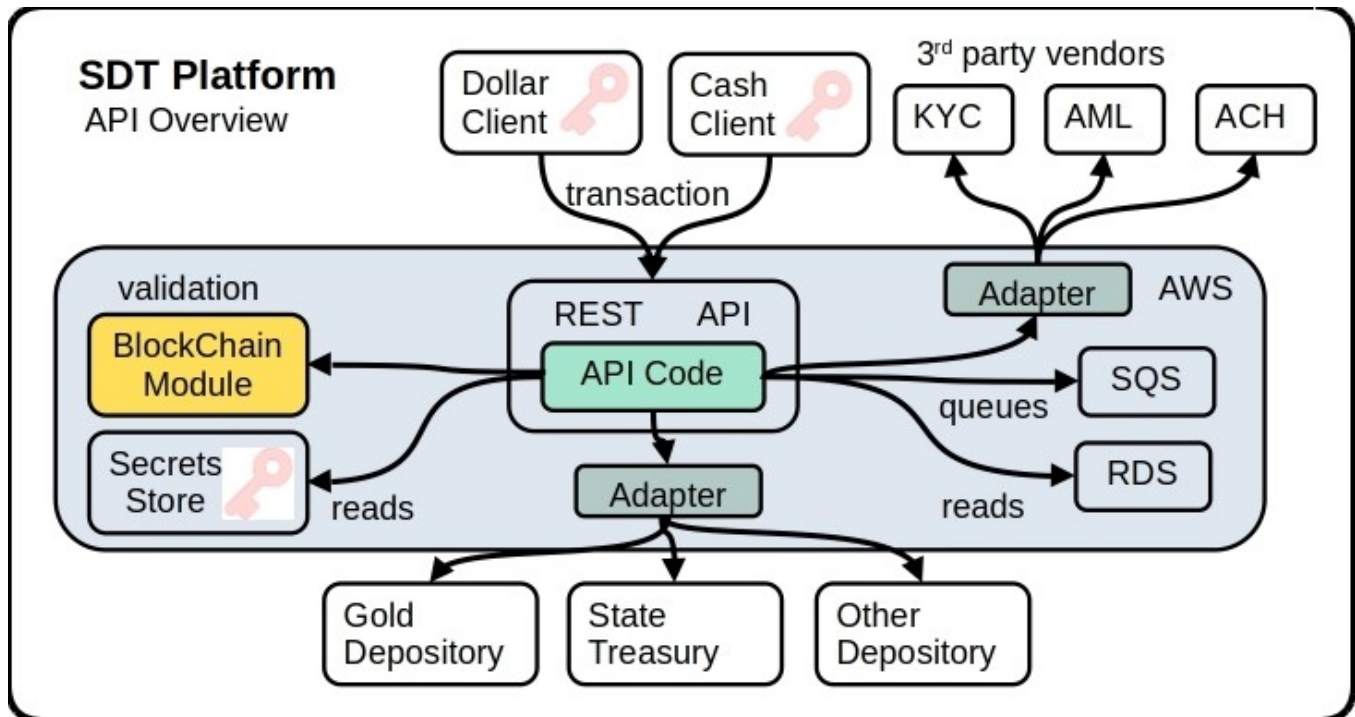API CODE: receives and executes logins, transactions, etc
BLOCKCHAIN MODULE: contains the Quorum blockchain and MPC library
BLOCKCHAIN: equivalent to an accounting ledger
MPC library: equivalent to safety deposit keys, stores key shards in three locations
DOLLAR CLIENT: customer with funds in the State treasury
CASH CLIENT: customer in a separate domain with funds in gold / other depository

Author

Thirty-five years of eclectic software development, including 7 startups, IT staff at a major university, several USDOT grants and 15 years of corporate consulting. [Three DEFCON presentations](#) on predictive analytics.

State governments

From 1991-1996, I was the original architect of five Federal Highway Administration grants developing the [first handheld & wireless systems (ASPEN, CDLIS, ISS) for State-level motor carrier inspections](#). I led a quarterly design conference with many State representatives, achieved a 40-State adoption and received a commendation from the US Secretary of Transportation. I was named [Boise State University employee of the year](#) in 1994.

Startups

- [Federal Highway 1992-96](#) - R&D on early mobile systems
- [Saleslogix 1998-2000](#) - CRM startup, SDK and Salesforce competitor
- [Sunhill Software 2004](#) - supply chain logistics and KPI
- [Gloo 2013](#) - health & wellness analytics
- [DLVR 2016-17](#) - video analytics
- [Sila 2018](#) - stablecoin SDK and toolkit
- [Ensomata 2022](#) - health care analytics

Digital Currencies

Hands-on work with three digital currencies – the [Digital Money Trust in 1994](#) (a precursor to Bitcoin), an [IoT token prototype in 2014](#) and [Sila stablecoin in 2018](#) which received $21 million in venture capital. I developed the MVP (minimum viable product) in 100 days and we used it in 50 demonstrations for funding. I designed and wrote about 75% of the original beta release code, API, security.

Contracting

Significant projects at [Boeing](#) (call center), [Avnet](#) (e-commerce), [Aetna](#) (case management), [Amdocs](#) (payment system), [DLVR.com](#) (video analytics), Verizon (ring tone sales), [Staples](#) (e-commerce).

DEFCON

[Three DEFCON convention presentations in 2005-2007](#) on predictive analytics and memetic manipulations.

Related Materal By Me