

# Smart Content Block

MIT/law Open Project



# Project Team

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# Identifying and Exploring the Ethereum Blockchain

Example:

<http://etherscan.io/block/890199>

Where is the entire Blockchain? How can it be maintained and accessible as a basic infrastructure service such that any person or organization could inspect, explore, validate and integrate the contents into their own content and processes?



# Conceptual Architecture for **Smart Content Blocks**

Working Version for Innovations (soon to be for content blocks):

**Registry:** (approx line 18)

[https://github.com/OpenInnovationNetwork/Projects/blob/gh-pages/js/projects\\_retrieval.js](https://github.com/OpenInnovationNetwork/Projects/blob/gh-pages/js/projects_retrieval.js)

**Display:**

<http://openinnovationnetwork.github.io/Projects/>



# Distributed Contract Clause Bank

Publicly verifiable [provenance](#) of each part of documents/contracts.

- Know the source, track usage, model performance/dispute
- Therefore, choice of clauses and combinations of clauses can be optimized for various objectives (price, speed of deal, low risk, etc)

Example:

\* <https://github.com/UMKC-Law/DataSharingAgreement/wiki/August-28,-2015>

\* <https://github.com/UMKC-Law/DataSharingAgreement/tree/master/ClauseBank>



# Clauses and Templates in Context of Processes

The “Smartness” is in combining the legal clauses/templates (contracts, loans, licenses, other legal instruments) into a holistic fabric of the business processes they are a part of. Including the:

- Workflows
- Approval Chains
- Production Lines



# Artifacts

**Presentation** @May of Demo and Concept and Vision of Potential Via Blockchain

*Feedback Session at MIT for Validating/Modifying the Concept*

*Special Demo/Discussion Session at MIT for Lead up to the May MIT/law Event.*

**Models**, Flows and Other Diagrams of This Approach:

- Participants/Users
- Organizations
- [Also, perhaps: Bigger Systems of Use (See info flow across industry for optimizing transaction flow, “idea flow”, stable markets, etc)]

**Document Model/Data Model/Schema** of Some Sort.

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**Working Implementation** sufficient for a Proof of Concept.



# Useful Prior Work:

Dynamic Trust Framework (package mgmt & card-based approach)

- <https://github.com/mitreid-connect/trust-framework/tree/master/df-webapp/screenshots>

**Legal Components** (encapsulation of clauses and other stuff in reusable chunks)

- <http://legalmarkup.github.io/LegalMaterialDesign/>
- <http://v4-alpha.getbootstrap.com/components/card/>

OpenInnovationNetwork distributed, collaborative VCS content chunks

- <http://openinnovationnetwork.github.io/Projects/>
  - <https://github.com/OpenInnovationNetwork/Projects>

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# Prior Helpful (hopefully) Concepts

Business, Legal and Technical Clustering of Everything

- <https://github.com/mitreid-connect/trust-framework/blob/master/TrustFramework.md>:
- <http://idfederation.org/wp-content/uploads/2014/05/Final-Trust-Framework-20140429-web.pdf>

Method to achieve B/L/T is:

- Align Each Part, Harmonize & Integration of B/L/T into one system



# Depiction of Distributed Cards Using Open Web

## SmartContentBlocks

Created cards for the iAuth project, so that each legal clause and authorization by the user is encapsulated visually, and manageable as data. This makes the data a legal component that individual users can understand and work with.

Project: <https://github.com/LegalComponents/iAuth>

Demo: <http://law.mit.edu/iAuth-project>

## Hotel Placeholder

Project Blurb coming soon!

People: Gabi,Dazzal

Project: [URL coming Soon](#)

Demo: <http://civics.com/hotel>

## Lottery\_Sharing

Sharing Lottery Tickets

## CSS Cards for iAuth

Created cards for the iAuth project, so that each legal clause and authorization by the user is encapsulated visually, and manageable as data. This makes the data a legal component that individual users can understand and work with.

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Demo: <http://law.mit.edu/iAuth-project>

## Poison\_Pills

Triggering events that automatically kill a deal

## FirstToDisclose

Repository of inventions that may be shared with the world and not patented

Project: [www.firsttodisclose.org](http://www.firsttodisclose.org)

## BlockChain Default Swaps

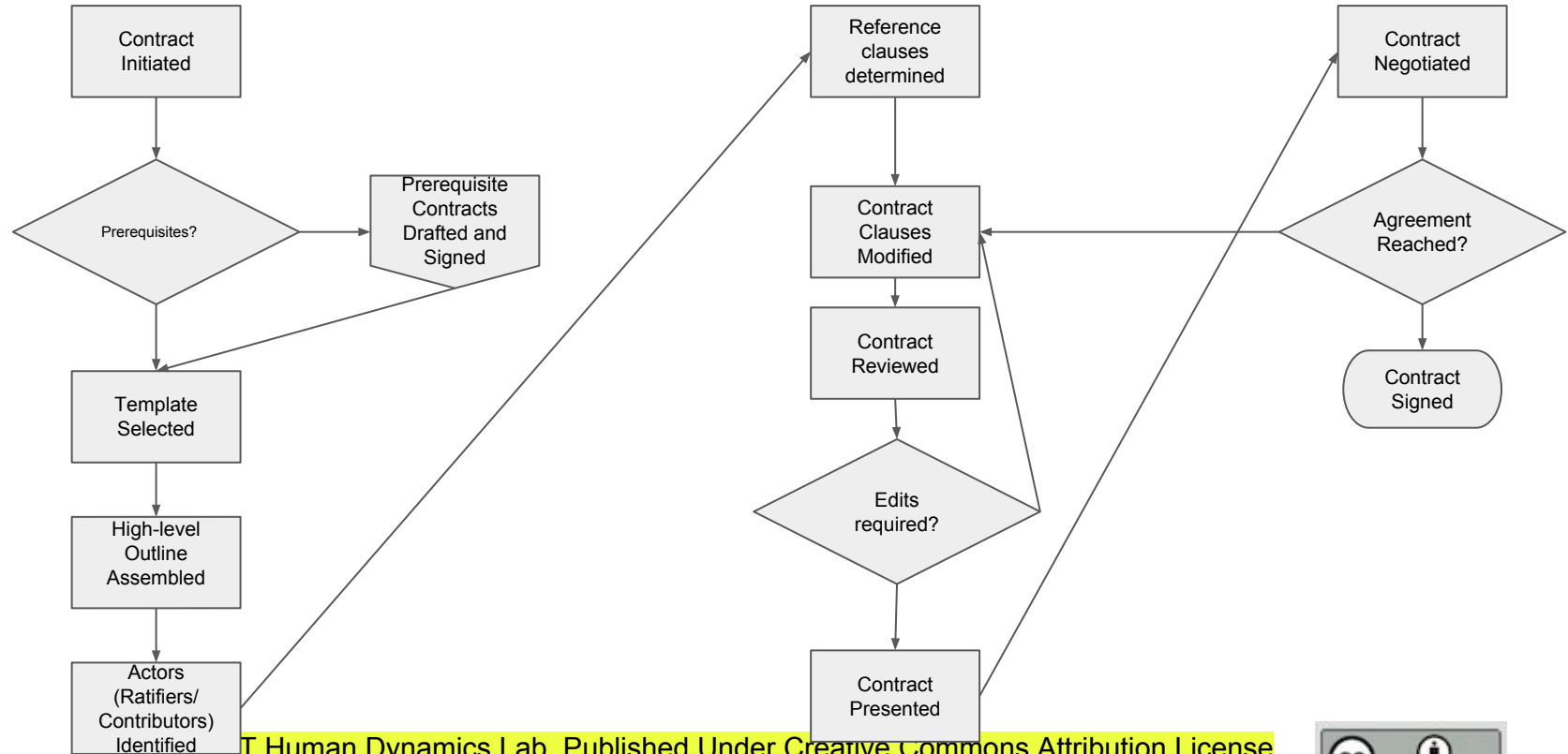
Using Blockchain to create foolproof credit default swaps with stops and mechanism to protect against market failure

## Deal\_Insurance

Provide Insurance for Blockchain deals



# As-is Contract Creation Process Flow:



# To-be Contract Creation Process Flow:

