

App Framework

Simplify app management

About



Custom building an app requires programming experts and talent. More than that, It is costly and takes longer.

Imagine building a custom database application, static website or content site in hours instead of years. That too Secured. Scalable.

Web 2 or web 3

On premise or cloud

Centralized or decentralized

No code solution

Decentralized and distributed app engine

Use cases



- Website builder
- Relational database app builder
- Document app builder
- Document production
- Document template
- Web content builder
- Bulk email

- Identity management
- Access management
- Participant management
- Business process management
- Business activity management
- Rules engine

- Centralized or decentralized
- Web 2 & Web 3

Example



TruckMoon is truck management company with more than 150 employees and they want to build a custom solution to manage their trucks.

Scope of work: Capture basic Truck info, driver info, routes and trips. TruckMoon also wanted trip data to be in a ledger.

Users: 3 Truck admin user and 150 of employees and 3000 drivers

Step 1: TruckMoon took a custom build quote from a leading software development company. Software vendor proposed Java and Amazon as technologies, \$500,000 for development, \$100,000 onboarding and 10 months delivery time.

TruckMoon did not have the budget or patience to wait that longer. TruckMoon find us. We estimated 1 month delivery time, a dedicated environment. The solution will cost only a fraction.

TruckMoon logs into our system, create users, groups and roles. Create screens for entities like Truck and Driver. Utilize document, content, BRMS and BPM features to quickly rollout the product.

Sounds over simplified? - Let us see a demo



Ecosystem

Simplify app management

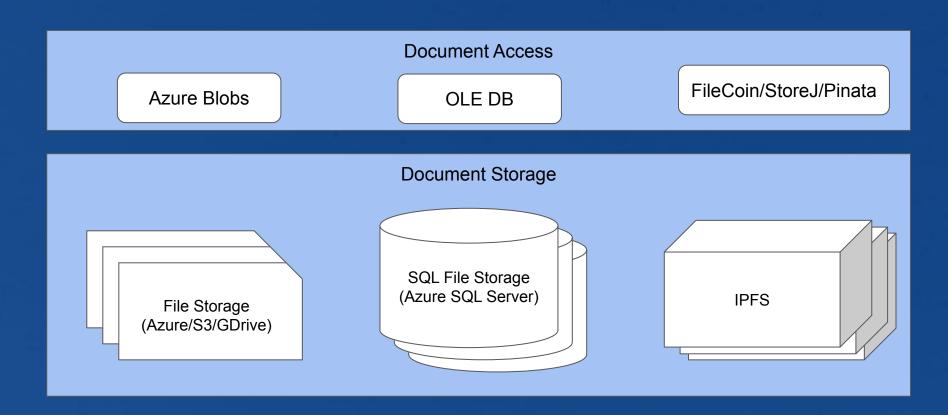
Ecosystem



Output Cache				
App Cache				
Tenant Apps				& Access
Foundational Apps				
Core Apps & Engines				
Data Cache				Identity
Access Layer (Provider Based)				Ider
Data/Document Storage	Blockchain/IPFS	Third Party Storage	Content Storage	

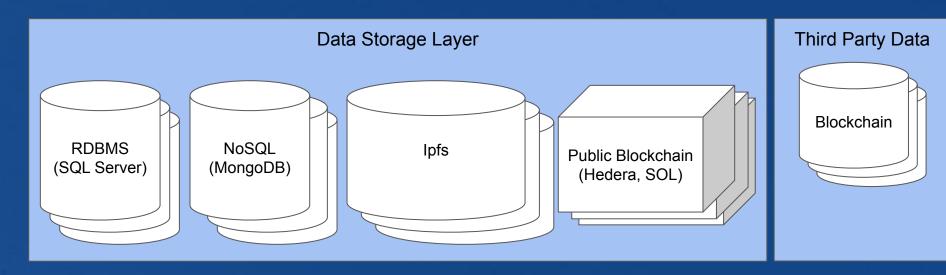
Ecosystem - Document Storage Layer





Ecosystem - Data Storage





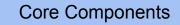


Core Components

Ecosystem

Ecosystem - Core Components





Business Rules Management System (BRMS) Business Process Management (BPM)

Security

Entity Management

Document Management

Notes Management

Source Code Management

Content Management

Apps Management

Digital Assets

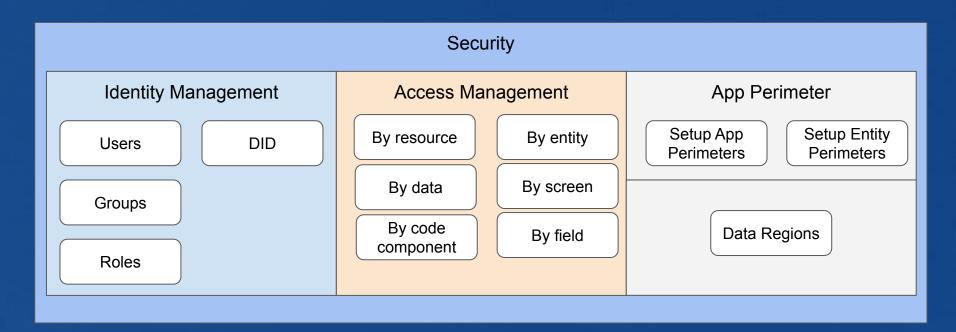
Code Gen Engine

Blockchain

Security

Ecosystem - Core Components

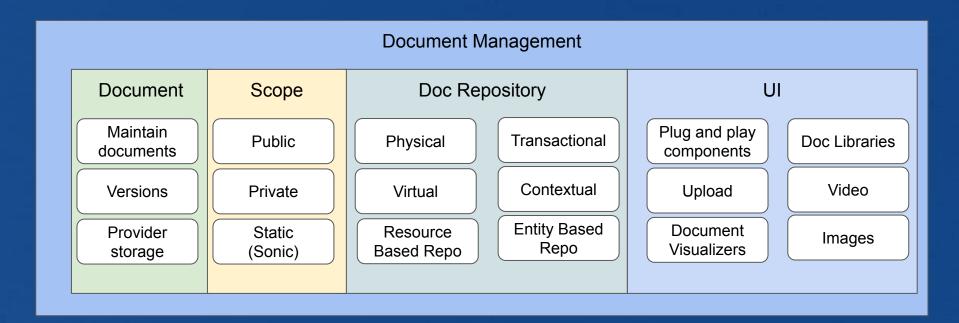




Document Management

Ecosystem - Core Components

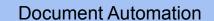




Document Production

Ecosystem - Core Components





Templates

Nested Templates

Wildcards

Canned Templates

Data Context

Nested Data Context

Data Items

Data Sources

Doc Assembly

Anchor Data

Driven by wildcards

Remote

Doc Merge

Doc Merge

Data Fetchers

Driven by Data

Assembly UI

Multi Data UI

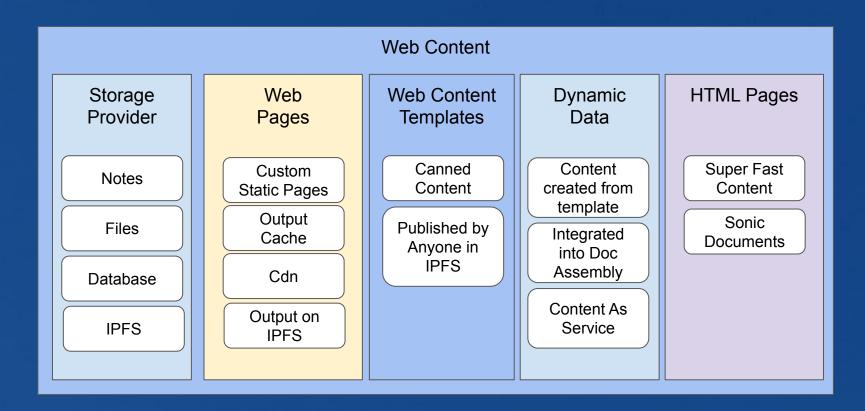
Web Content UI

Dynamic Docs

Content

Ecosystem - Core Components

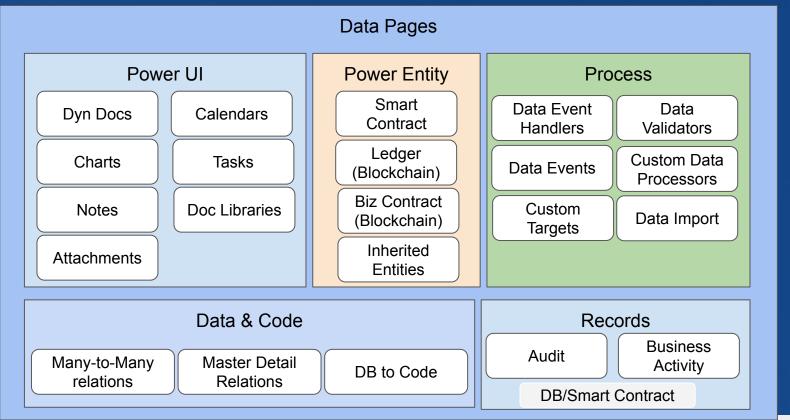




Pages

Ecosystem - Core Components







Foundation

Ecosystem - Building Blocks



App

UI App Module

Entities

Forms

Widgets

Controls

Listviews

Screen Fields

Data App Module

Connection

Data Source

Data Context

Data Class

Data Properties

Data Columns Rule App Module

Actions

Rules

Actionsets

Rulesets

Conditions

Process App Module

Process

Process Steps

Process Items

Services

Operations

Business App Module

Events

Event Handlers

Ecosystem - Source Code Management



Host Code DB

Stores common source code

Tenant Code DB

Stores tenant specific source code

User Code DB

Stores user specific source code - especially personalization

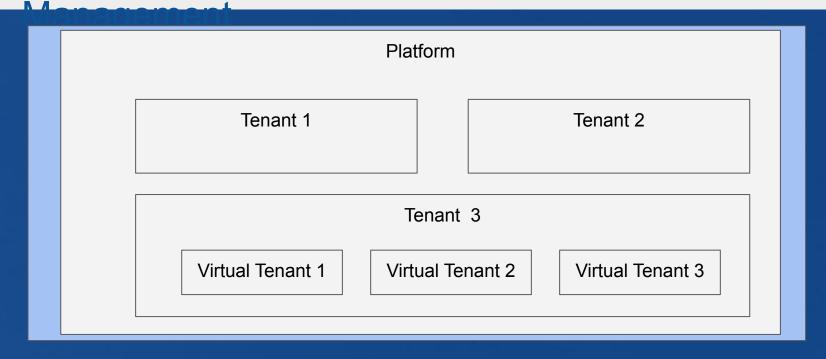
RDBMS

FileSystem

IPFS

Ecosystem - Tenant Structure





Platform - Dedicated infrastructure
Tenant - Shared Infrastructure/Isolated DB (Onboarding cost \$2, Monthly COO - \$1)
Virtual Tenant - Shared Infrastructure/Shared DB (Onboarding cost \$0.03, Monthly COO - \$0.001)



Trends

Development Trends



95% of apps has low admins 70% of functionality in every app can be categorized as simplex Machine learning will replace 95% of coding by 2050 No-Code approaches in today's world is not machine learning friendly



Crypto Apps

Crypto Apps



- Blockchain wallets Manage (done)
 - a. Blockchain account model
- 2. Crypto transactions Manage (done)
 - a. Payment model
- 3. Crypto transactions metamask integration (in progress)
 - a. DID
- 4. Blockchain integration Code-Gen Smart Contract
 - a. You entity will be converted into a smart contract and deployed
- 5. Crypto to credit
 - a. You app billing require a currency. A module

IPFS Apps



- 1. IPFS integration documents (in progress)
 - Encrypted documents in blockchain
 - b. Public documents in blockchain
- 2. IPFS integration source code
 - a. Your app source code in blockchain
 - b. App engine hash based on loaded code distributed app execution model
- 3. IPFS integration business contracts
 - a. Distributed contract signing model
- 4. IPFS web content (in progress)
 - a. Imagine your static web site running from IPFS (Pinata)