Using vCore to Accelerate your Digital Transformation and Modernization

Overview

Software has eaten the world ! Data is the new oil ! and Generative AI is the latest disruptive piece of data monetization technology. Fear of missing out on the data-driven revolution is on every C-suite agenda.

But many firms are struggling to deliver on the change agenda required to unlock innovative new products and streamlined operational workflows.

Over the last 20 years, the tools used to build enterprise data-driven software have not evolved fast enough to keep up with demand, leading to chronic developer inefficiency.

Velox is addressing this by combining modern "low code" development techniques, modern infrastructure (web & cloud) with 25+ years of experience on Wall Street building data-driven businesses, into an application development platform.

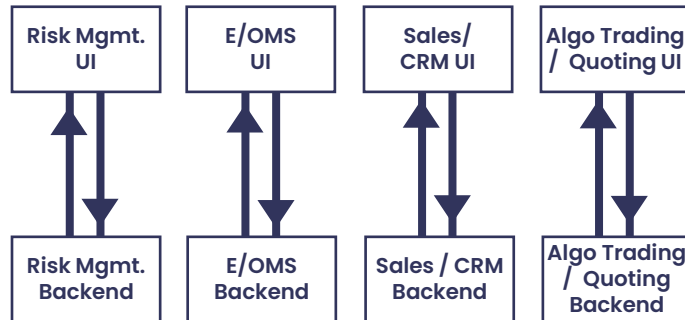*vCore,* is specifically designed for building enterprise systems that need to operate over complex data eco-systems.

When the decision has been made to invest in digital transformation, putting the *vCore application development platform* at the middle of your data eco-system will :
- Reduce the execution risk and time/cost of becoming data driven.
- Shorten the innovation cycle when delivering ongoing innovative change.
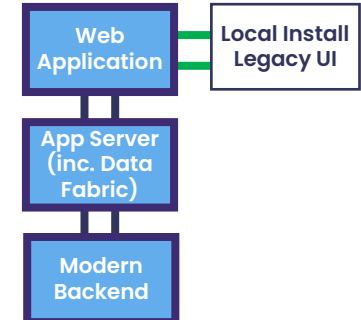- Avoid tying up scarce development resources on non-differentiating software infrastructure.

Use Cases

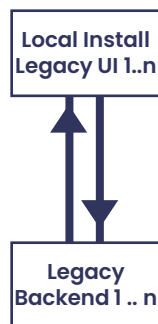## Building Full Stack Sales & Trading Systems

Current State

Risk Mgmt. UI	E/OMS UI	Sales/ CRM UI	Algo Trading / Quoting UI
Risk Mgmt. Backend	E/OMS Backend	Sales / CRM Backend	Algo Trading / Quoting Backend

Target State

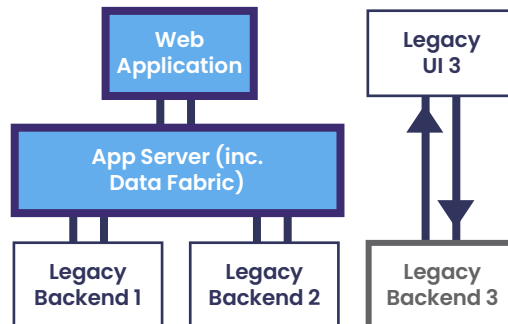| Web Application	Local Install Legacy UI
App Server (inc. Data Fabric)	
Modern Backend	

vCore provides the common non-functional software that underpins front-office functions like high/low touch, automated trading and risk / position management. It provides a higher level of app dev abstraction, including low-code techniques like model-driven development and code generation, tailored to work in a front-office environment.
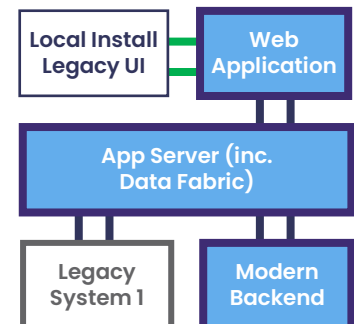

System Modernization (Consolidation /Augmentation)

Current State

Local Install Legacy UI 1..n
Legacy Backend 1 .. n

Interim State

Web Application		Legacy UI 3
App Server (inc. Data Fabric)		
Legacy Backend 1	Legacy Backend 2	Legacy Backend 3

Target State

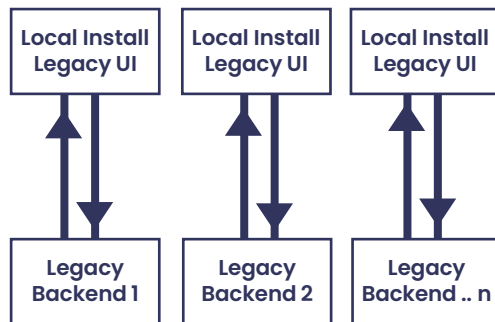| Local Install Legacy UI	Web Application
App Server (inc. Data Fabric)	
Legacy System 1	Modern Backend

vCore centralizes the expertise needed to either rapidly consolidate legacy apps to a single platform or augment functionally deficient but otherwise stable systems. The native *vCore* integration with interop.io, enables vCore based UI's to interact seamlessly with other desktop tools such as EXCEL and Bloomberg.
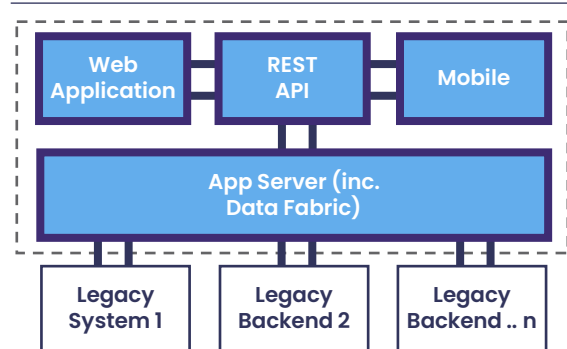

Use Cases

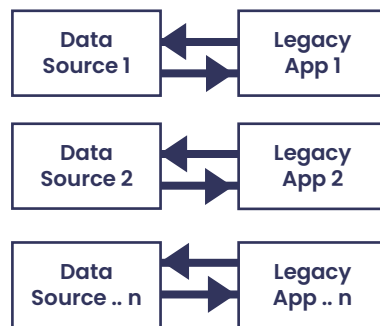## Migrating to Cloud /SaaS/Web

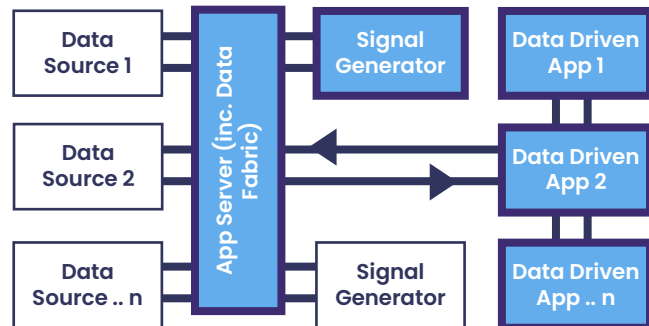### Current State

Target State

Making on-prem data and API's accessible in the Cloud is a major challenge for app migration strategies. A *vCore* based data fabric and web stack running in the cloud, can centralize all data access irrespective of underlying data or middleware type. *vCore* dev accelerator then simplify the build of new browser compatible applications.

Data Monetization via Digital Transformation

Current State

Target State

Data centricity is at the heart of any vCore system. Its unique programmable data fabric, allows consolidated access and control of any data resource (reference and real-time, structured and unstructured) without having to create and maintain separate data lakes. Its embedded software development accelerators allow developers to focus more energy on differentiating features.

About Velox

Velox enables software development teams to build data-driven high-performance user-facing systems up to 10x faster.

The Velox full-stack application development platform (*vCore*) provides professional developers with tools that amplify their expertise in Java and Web programming, allowing them to focus on building differentiating business functionality.

Founded in 2018 by 3 veterans of front-office technology, vCore is the catalyst financial services firms need to accelerate their digital transformation and modernization journey.

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