LEMONEDGE

Architecture

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2021

Development Platform to Off the Shelf Solutions

LemonTree Triple Lock

Enterprise Grade Tools

Financial Services Capability

Industry Vertical Expertise

LemonTree API

Faster Development

Flexibility

Ownership

LemonTree Solutions
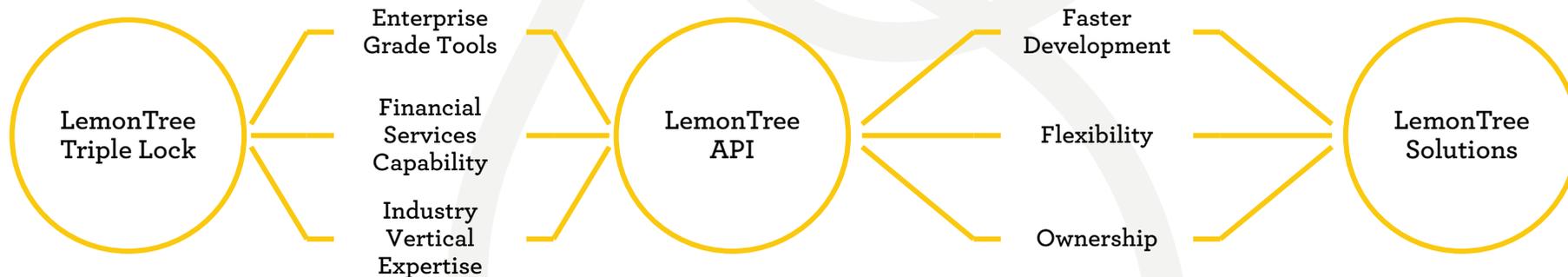
Tailor

Power your solutions with our Triple Lock; industry-leading functionality.

Open Architecture: Design your system with ease and security.

Enterprise Data Tools: Empower your teams through unlocking your data.

Financial Services Engine: Tailored to the needs of complex financial institutions.

Create

Innovative rapidly through our open API to develop solutions 80% quicker

Integrate simply with internal or external systems to offer new products and services.

Full, flexible access to the platform to develop the specific solutions you require.

Solutions

Pre-built industry vertical solutions with specialized functionality

Solutions range from asset management, insurance, to credit rating and debt management.

Custom-built solutions can be developed for clients as per their unique requirements.

Logical Architecture

- Open Architecture
  - Auto-Code Designers, Security, Deployment, Data Integration, Integrated Test Suites, Task Servers
- Enterprise Data Tools
  - Canvas, Usable History, Workflow, Office Integration,
    Analysis & Reporting, Formula Engine
- Financial Services Engine
  - Core Processor, Multiple Dimensions, Entity Mapping,
    Full Accounting, Blended Transactions, Period Ends

Triple Lock - Functionality accessible everywhere throughout API/System

- Using Auto Code Designers and/or .Net Code to specify properties & relationships
- Auto System Upgrade
  - Automatically occurs whenever a LemonTree app connects and detects Design Schema changes
  - Creates Tables
    - Including Permissions, Auditing, etc
  - Creates Database Functions, SPs, Constraints, etc
  - Creates Controllers for OData REST API Web Service

LemonTree API Design - Create your data structures & relationships

- Using .Net Code to write your custom processes
- Can query all data
- Can update all data

LemonTree API Context - Integrate your Algorithms & Processes

- Using Auto Code Designers and/or .Net Code
- Views – simply specify properties as controls
- Grids – simplify specify properties as columns
- Commands – Create custom actions, or call your algorithms/processes to run locally or as a task
- Layouts – drag + drop design

LemonTree API UI - Create familiar interfaces tailored to your processes
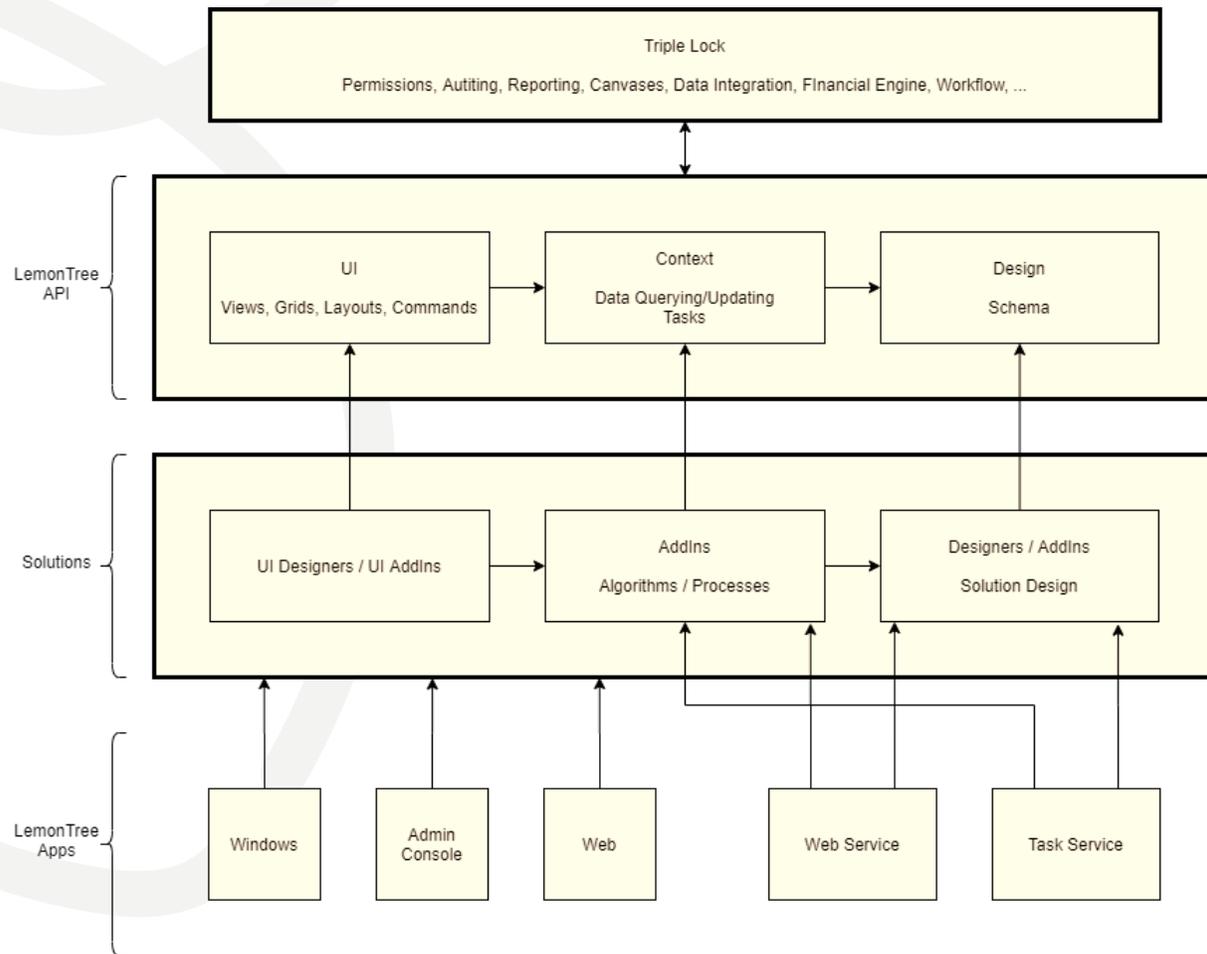
- Available from LemonTree as out of the box solutions such as LemonTree Capital for Alternative Assets and Private Capital
- Available through our partner network for specific vertical products such as within the Insurance industry

Solutions - Industry specific products built on top of LemonTree as an AddIn, utilizing API, Designers, Config & Triple Lock

- Full multi-window desktop application for multiple monitors with office integration
- Windows/Linux/Macs console application for admin scripting and automation
- Web browser application built on WASM, compatible with all modern browsers including iPhones, Android, Tablets, etc.
- Services for web and task processing built to be hosted on Linux, Windows (IIS), or Mac servers.
  - Integrates with cloud technologies for true serverless and scaling deployments

Applications – Multiplatform client applications for easy access

Triple Lock

Permissions, Autiting, Reporting, Canvases, Data Integration, FInancial Engine, Workflow, ...

LemonTree API

UI	Context	Design
Views, Grids, Layouts, Commands	Data Querying/Updating Tasks	Schema

Solutions

UI Designers / UI AddIns	AddIns	Designers / AddIns
	Algorithms / Processes	Solution Design

LemonTree Apps

Windows	Admin Console	Web	Web Service	Task Service

Physical Architecture

Deployment
Fits your network infrastructure

- Private Network
- Hybrid
- Cloud
- LemonTree Hosted

Clients
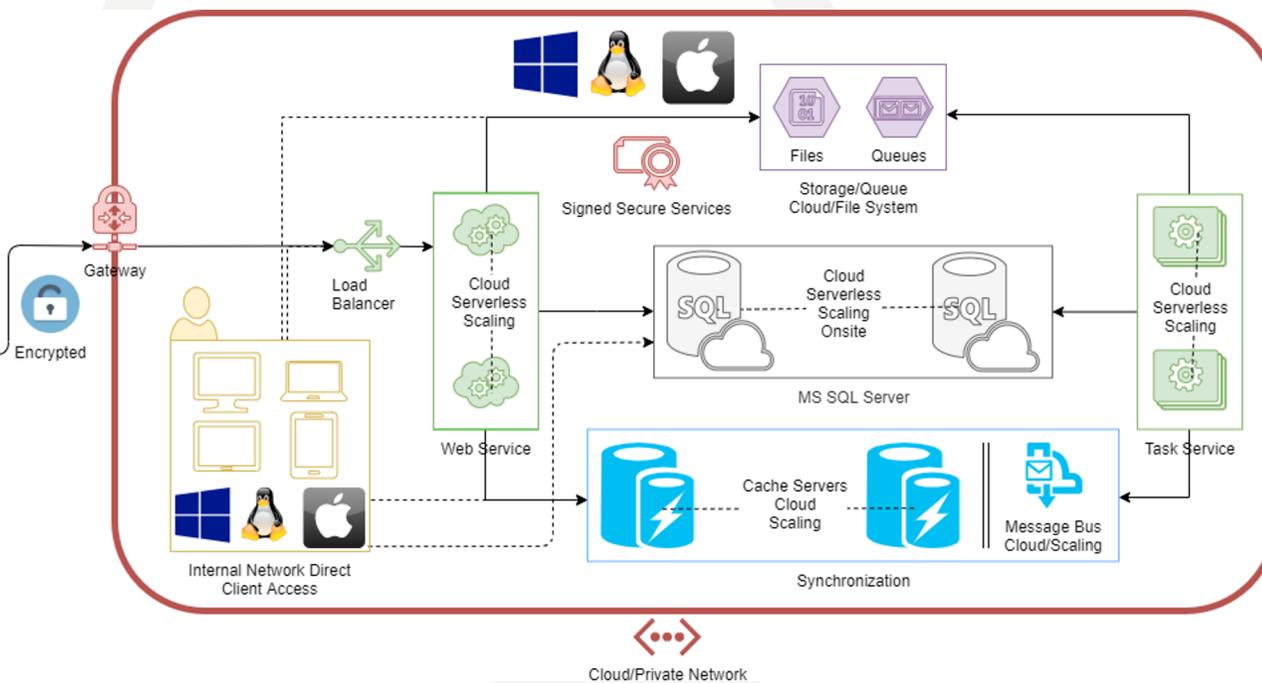Supported LemonTree apps

- Windows Multi-Screen Desktop App
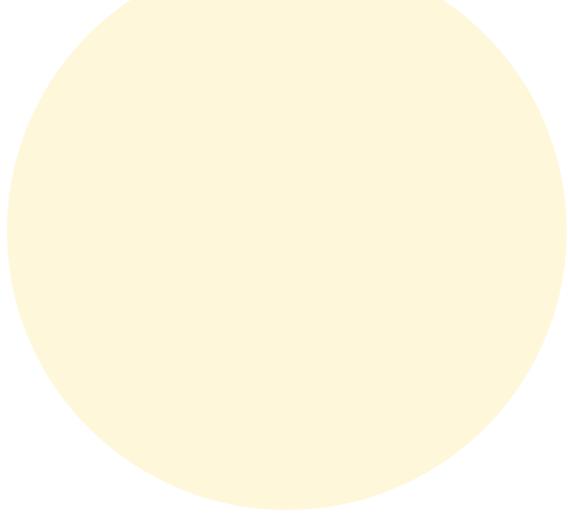- Multi-Platform Admin Console
- Web Browser App

Client Connections
Encrypted connections

- Through REST OData Service
- Direct DB Connection

3rd Party Connections
Data Warehouses, Reporting, etc...

- Through LemonTree API's
- Through REST OData Service
- Through Direct DB Connection