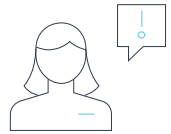
Concept Evolution

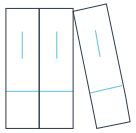
Building a Capability

User Interface or Business Logic



Idea! Re-use in Solution

Write Once and Reference

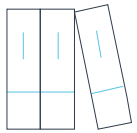


TrakSYS Libraries

Content Pages
Content Parts
Images
Style Sheets
Client-Side Scripts
Script Classes

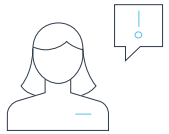
App Framework

Concept Evolution



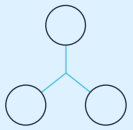
TrakSYS Libraries

Common and Useful Content



Idea! Re-use Across Sites

Maintain and Distribute



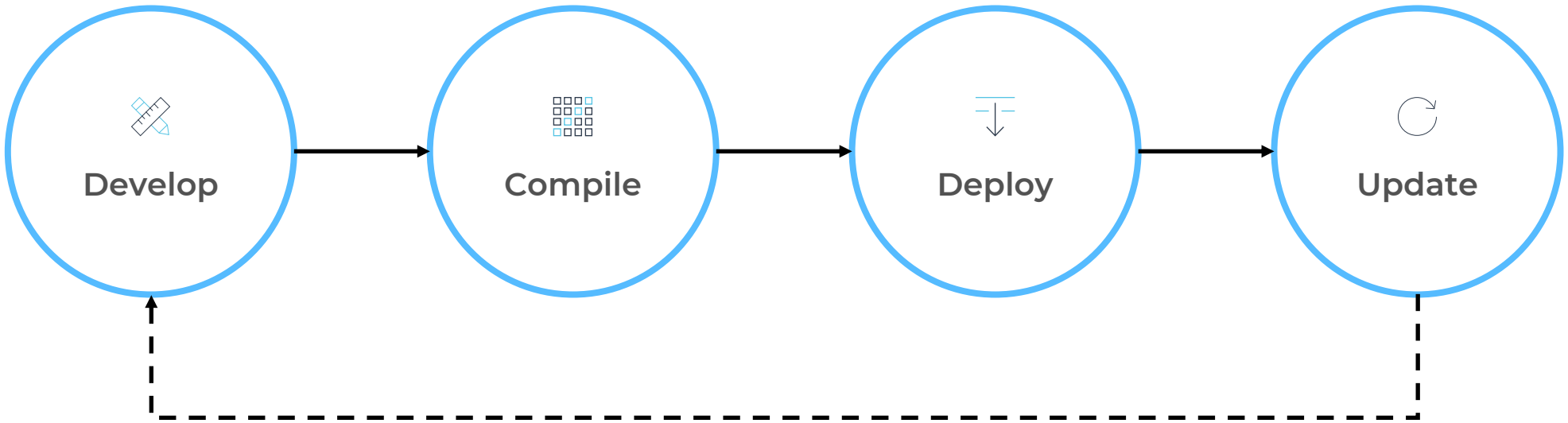
TrakSYS™ Apps

User Interfaces

Business Rules

Configuration Management

App Lifecycle



App Framework

Develop

Initial Concepts in TrakSYS

Utilize the rapid development tools and processes within the platform to shape the initial functionality.

Refine and Complete in Visual Studio

Port content to a Visual Studio project to take advantage of central management, source control and automated testing.

TrakSYS App Template

Visual Studio Project Template
Content Pages and Parts
Script Libraries / APIs
Configuration Injection on Install / Update

App Framework

Compile

Package Definition

Define files to include in an App Package (manifest) including metadata, images, scripts, etc... to be deployed on install.

Package Build

Utilize the power and flexibility of the Visual Studio build environment to control compilation and place resulting assets.

Zip and Distribute

Combine the App assembly and any other distributable files using common Zip and distribute to the desired repository.

App Framework

Deploy

Cloud Repository

Parsec can be published to a cloud repository available for browsing by any TrakSYS installation.

Local Repository

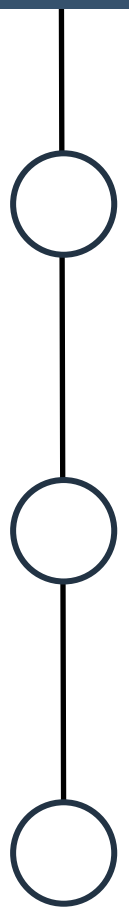
Private or Enterprise Apps can be deployed to a local repository by Package file distribution to a network location.

TrakSYS Installation Manager

Built-in installation, update and removal tools allow browsing of installed Apps, locating new Apps (installing/updating), and removing existing Apps.

App Framework

Update



Refine and Improve

Repeat the App development cycle (Develop, Compile and Deploy) to effect organized continuous improvement.

Rapid Re-Deploy

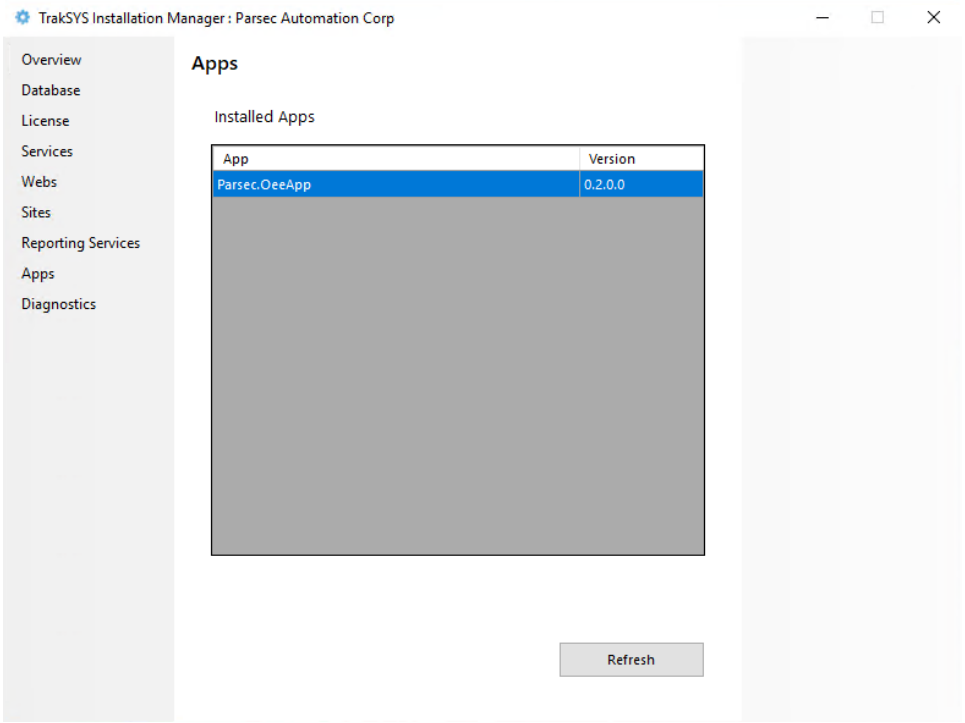
Simplify and improve the quality of the re-deployment process to increase iteration velocity, speeding time to business goals.

Version Control

Track which implementation has which functionality with ease using the App Version to manage content generations.

App Installation

Manage TrakSYS App installation within the platform.
Install, update and remove application using
PowerShell scripts or the Installation Manager utility.



Install Actions

- Add Content Pages / Parts
- Create Configuration
- Add Page Definitions (UI)
- Add API Libraries

Update Actions

Update and Adjust Content and Configuration

Remove Actions

Cleanup and Remove Content and Configuration

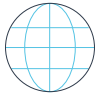
App Motivations

Partner Framework

Package API calls and user interfaces to assist with project implementations.

Parsec Concept

Early / experimental feature ideas before the are committed to the product.

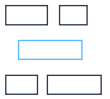


Enterprise Governance

Distribute and control global functionality across multiple independent site installations.

Partner Vertical

Develop specialized capabilities in a specific market vertical or functional area.



Parsec Parallel Track

Specialty functions or non-core ideas that need to be updated out of phase.

App Cautions

Apps to Defeat TrakSYS Licensing

Avoid creating Apps that replace the need for licensed TrakSYS features (without requiring the feature to be present).

Apps for Every Project

Do not use as a 100% replacement for implementing every project.

Clear Customer Communication

Communicate early and clearly if you intend to use/build an App as part of a project implementation.

- Are there additional fees involved?
- Who has access to the source code?
- App binary use beyond relationship?