

CASE STUDY—ENTERPRISE RESOURCE PLANNING

ITAD Management System

Asset Disposition & Logistics Application

Introduction

ITAD refers to the industry and process of re-using, recycling, and disposing of obsolete or unwanted electronic equipment using practices that are safe, and ecologically responsible.



Client Need

To create a smart, secure, and comprehensive method for managing ITAD assets. A critical component included integrating the IT asset disposition with warehousing and deployment.

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Product Challenges

The client needed to easily track received assets, generate client receipts, and report real-time on the status of accounts as well as assets and devices prior to the resale/recycle. And they needed to do so all within a single web-based application with an Enterprise Layered Security Strategy.

The delaPlex Solution

We designed a dynamic application called AIMS (Asset Inventory Management System) which converts the manual processes and provides a streamlined life-cycle automation of inventory management, customer data, and sales processes. The application's asset auto-import feature automatically populates the database, integrates with QuickBooks, and provides users with email notifications to keep them up-to-date on that status of inventory. We delivered an application that does the following:

- Meets industry requirements for reselling and recycling assets
- Automates operations and eliminates manual processes
- Uses advanced industry technologies and code optimization
- Tracks all received assets
- Provides a real-time inventory status
- Automates receipts for all incoming assets

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TECHNOLOGY TOOLBOX

How We Did It

The dedicated development team at delaPlex for Apto first conducted an industry requirements analysis to design a client-specific IT infrastructure with enterprise 2-level security. The following third-party tools and systems were integrated using multiple technology stacks to deliver the functional ITAD Management System.

- **Data Integration of 3rd Party Tools** — Talend, Jasper Soft Server, Integration of EcoATM, FutureDial API's
- **Accounting software** — QuickBooks Enterprise Solutions 13.0
- **Remote Data Sharing Server (RDS) Server for Connectivity to QuickBooks**
- **Version Control Tool and Project Management Tools** — GitLab

. NET Stack

IDE - Microsoft Visual Studio 2015 Professional Edition | **Server Side Technology** - Microsoft ASP.NET MVC-4 with RAZOR, C# | **Data Access** - Entity Framework 5.0, LINQ | **Web Technologies** - Asp, Java Script, J-query, AJAX, JSON, XML, JQ GRID | **Database** - Microsoft SQL SERVER 2012 | **OS** - Windows Server 2003/2008/2012

PHP Stack

IDE - NetBeans, SublimeText3, NotePad++ | **Server Side Technology** - PHP MVC (Laravel 4.2) | **Database** - MySQL & MS SQL | **Web Technologies** - jQuery, AJAX, JSON, XML, Bootstrap (CSS) | **OS** - Linux



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“... anyone looking to focus on their core business and making their customers happy — leave the technology to delaPlex. They are willing to do whatever it takes to ensure that I am successful.”

DAVID CROWDER | COO
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