Cox Automotive

Retail Vehicle Inventory Management
CARVIM

Overview

What is CARVIM?

Cox Automotive Retail Vehicle Inventory Management (CARVIM) is an application processing interface (API) developed as a ***common inventory platform***. The CARVIM API, *as* a common inventory platform, is a one-stop API vehicle inventory data retrieval system. It serves to extend participation for all BUs to engage in Cox Automotive's digital retail technology. This means using the Cox Automotive common vehicle inventory platform the - CARVIM API.

BUs

BUs can continue to use their own information technology systems to implement the CARVIM API. WIth the implementation of the CARVIM API, BUs will have all the information to provide their customers with valid and secure vehicle inventory data.

BUs then have the ability to request and obtain inventory data pertaining to the exact specifications for a vehicle. As a result, BUs can use CARVIM API inventory data to promote their digital retail and software products.

DATA

Vehicle inventory data includes, for example: make, model, year, and the price of an auto. Cox Automotive uses external vehicle inventory DATA repositories known as third-party providers. Such providers include auto and parts manufacturers. The CARVIM API is developed to digitally synchronize with third-party inventory data stored on either cloud based, or internal data repository system. This synchronization allows the CARVIM API to obtain vehicle inventory data.

There are both required and optional vehicle inventory data fields in the CARVIM API. The **Entity ID** is a required field that provides the name and location of a dealership, or auction company, that owns a specific vehicle inventory. The CARVIM API uses several other specific fields to obtain data, including another required field, the **Inventory ID**.

CARVIM as the common inventory platform means that all BUs can use the same API and do not have to be concerned about inventory data storage. With the ability for BUs to use the CARVIM API, BUs can meet all their needs for the requisition of data, and the export of data to their products.

Based on the need for BUs to host, export, import, and manage automobile inventory, CARVIM was developed for business units to use a common inventory platform to access data. As a result, BUs no longer have to store data.

Inventory Data
Since BUs no longer have to store inventory data, where will the data be obtained? BUs will obtain data by calling on the CARVIM API. The CARVIM API is designed to obtain data from various sources such as: vehicle manufacturing companies and lot-processors.

for BUS to extract data from various sources.

Each BU uses a single application, or a multitude of applications, for the need to host, export, import, and manage automobile inventory. Based on this need,
In effect, the CARVIM API will obtain data for inventory from manufactures, and other sources such as Lot Processors.

With the CARVIM API, BUs have the opportunity to obtain inventory data in one place. BUs can use their application in conjunction with the CARVIM API to obtain inventory data.

With the CARVIM API, BUs have the ability to obtain inventory data in one place and to accelerate the delivery of data to the customer.

Vehicle Inventory Data

delivery of data, and to obtain very specified vehicle data

with speed, specificity of data, and the acceleration of delivery time Throughout Cox Automotive each
For example, vAuto needs inventory to do pricing.
VINSolutions to contact customers about specific vehicles

Each has a product to host, export

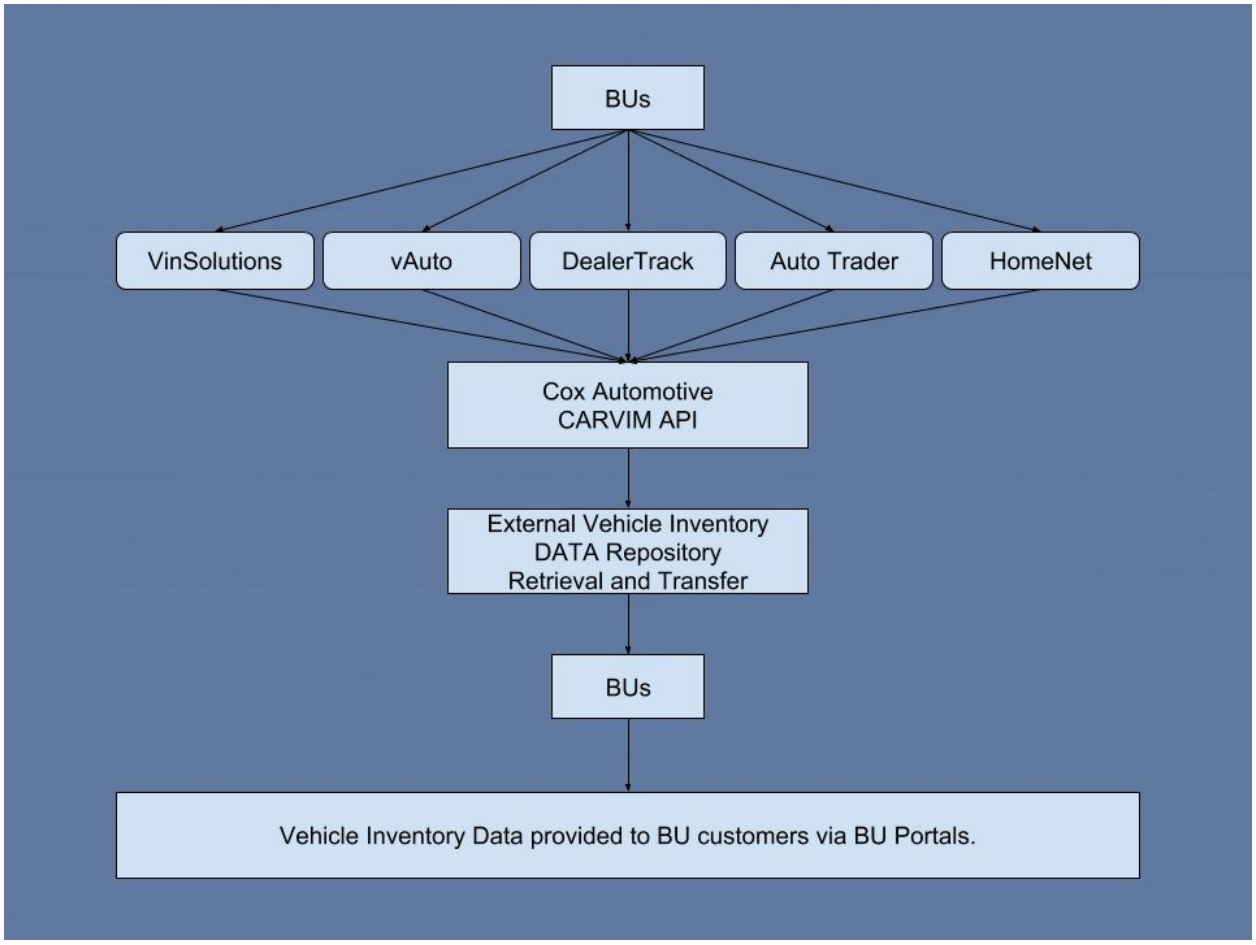
Every BU is building their own
Eeach BU can use their application
No need to store data.
No need to
Just call CARVIM to get
Consolidate vehicle inventory data across all BUs.

The idea behind CARVIM is to

CARVIM API

The chart below demonstrates how the CARVIM API enhances the BUs need to obtain vehicle inventory data, and it displays how the CARVIM API reaches across all BUs.

All BUs are encouraged to consume the CARVIM API in order to have immediate access to the specifications of a vehicle, and to lessen the need for data storage. By using the CARVIM API, BUs can expect to receive the secure transfer and accuracy of vehicle inventory data.



API