

XML VIN Decoder

On request VIN data

DataOne Software, Inc
100 Cummings Center, Suite 221B
Beverly MA 01915
Toll free: 877-438-8467
Fax: 978-927-8387
sales@dataonesoftware.com



Overview

The DataOne Software XML VIN decoder solution is designed to provide dynamic VIN decoding via simple web calls to a server infrastructure. The service is cost effective on many levels, especially when the following items are considered:

- Cost to license the data files. The costs of licensing a premium data collection can run anywhere from 30k to several hundred k per year.
- Cost to build an effective VIN decoding solution. Working with VIN reference data can be a real challenge even for the database and programming gurus. It's not uncommon for developers and business managers to spend upwards of 6-8 months to build an effective VIN Decoder engine.
- Cost to provide a supporting infrastructure. In order to provide a reliable VIN decoding service for your internal needs, typically multiple high end servers providing both redundancy and load balancing are required. Factoring in human IT support resources can make this an expensive proposition.
- Cost to support the data. VIN data requires constant maintenance and a reporting infrastructure in order to find and resolve data issues in a timely manner. DataOne Software receives no less than 1 update per week, and has formal systems in place for reporting data issues.

Service Highlights

DataOne Software maintains the data and the service, your application simply requests and receives information in real-time. Some highlights:

- Your application/service will have access to the highest quality data on the market. DataOne utilizes multiple collections and sources of data
- There are no mandatory startup costs, or term contracts required in most cases
- DataOne Software receives updates from multiple sources 1-2 times per week vs. industry standard monthly / quarterly
- 98% success rate decoding vehicle options with DataOne Software solutions, vs. industry average 29%
- Advanced algorithms fix most invalid VINS on the fly
- Stock photos are available for download via link in the XML file response.

Data Details

The XML VIN decoder solution provides the following information for consumer vehicles in the US Market, as well as the Canadian Market.

- General and specific details: approximately 56 data points
- Installed Equipment: approximately 177+ data points available
- Optional Equipment: approximately 561 data points available

Data Packs

- NHSTA information
- Vehicle dimensions
- Stock photos

Coming Soon

- Complete heavy duty commercial: Fall 2005
- Motorcycles: Summer 2005
- Fleet vehicles: In progress
- European gray market: Fall 2005
- Canadian gray market: 99% complete
- RV's: Fall 2005
- Vintage vehicles: in progress

How it works

A basic understanding of programming methodology is required in order to implement the XML VIN decoding service. DataOne Software does provide limited free support via email as well as paid consulting services to assist in the implementation. Documentation is available with code samples and instructions.

In general, implementation is as simple as writing an http request in the programming language of choice. The resulting URL will be an XML document which must be parsed into a data structure. Many inexperienced developers have worked closely with DataOne Software Support for a successful implementation.

The DataOne XML VIN Decoder service runs on a state of the art Linux server farm with an infrastructure designed to provide no single point of failure. In addition to using a reliable operating system, scripting language and backend database, the design makes integration easy, and fast. Read on for a walkthrough of how the service works.

1. It begins with a REST request (think HTTP GET/POST) to the HSF (Harness Server Farm). This is a bank of high end Linux servers that intelligently round-robin the VIN decoder requests to ensure performance and availability.
2. Apache takes this request and looks up the client record to see what options are enabled for the account.
3. Apache then passes this off to the decode engine which takes the VIN and begins its lightning fast

investigation.

4. Source material from data providers are inspected and matched appropriately.
5. An XML page is then generated with well documented elements which describe what each field contains.
6. The XML is passed back to the request originators application where it can be parsed into a string or an array.

This process takes no more than 1/20th of a second.

Getting Started

DataOne Software offers a fully functional, 15 day trial account that can be used to access the XML Decoder service as soon as your code is written.

Simply visit our website at www.dataonesoftware.com and visit the Tools for Solution Providers pages to be directed to an online form where you can fill out your contact information and valid email address. Authorization codes, documentation, and logins will be sent to you immediately via email so be sure to use the correct information. This account will be activated as a permanent account if you elect to sign up for service so please keep this in mind when filling out the trial signup info.

Also plan to visit our support pages for downloadable code samples & technical guides which will help make the integration a painless process.

Cost

The XML VIN decoder solution is priced based on your monthly volume and how the data is utilized. Different license fees apply to different segments of the automotive industry. For a quick quote, email sales@dataonesoftware.com or call 877-GET-VINS (438-8467).

You may also click on "Request Info" from anywhere on the website to fill out a request form online. Be sure to describe in detail how the data will be used and what your current and projected monthly volume of decodes will be.

A sample XML data file is attached below.

XML VIN decoder service

Sample response for VIN: 1B7HG38N92S563121
With bodystyle: 4dr Quad Cab Sport 4WD SB (4.7L 8cyl)

```
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