TECHNICAL OVERVIEW

Data Axle Reference Solutions
U.S. White Pages

Data Axle Reference Solutions
Technical Proposal

Data Axle’s proprietary compilation and verification processes provide unparalleled data accuracy. Millions of businesses and consumers use Data Axle data every day; in fact Info group services 90% of the Fortune 100 companies. Our data powers the top 5 Internet search engines and our point of interest information is used in 90% of North American in-car navigation systems.

Our most common applications:

- Search Engines/ Local Search
- Job Searches
- GIS, Mapping, & Navigation
- Government & Security Analysis
- Research & Analytics
- Direct Marketing & Sales Lead Generation
- Directory Assistance (411)
- Real-Estate & Site Selection
- Background Checks & Credit Agencies
- Fraud Prevention

Customers, like Google and the United States Secret Service, use our data a number of different ways and we make all of this powerful information available to the general public with Data Axle Reference Solutions.

Data Axle Reference Solutions contains 10 unique searchable databases - 7 business databases and 4 consumer databases shown below:

![Available Databases](image-url)
Consumer/Individuals Databases
Every month, we rebuild our consumer databases using more than 100 sources. Data is gathered from voter registration files, utility connects, real estate and tax assessments, behavioral data, bill processors, and more. The U.S. Consumer Database sets the standard for unparalleled quality, while its comprehensive demographic and lifestyle attributes allows for creative solution building for any marketing or research campaign.

Quick Facts
- 245 million consumers
- 100s of sources, from more than 4,300 phone directories, voter registration data, tax assessments, real estate deed information, utility connects and so on.
- Over 100 lifestyle selections
- Individual-level transactional data
- Proprietary enrichment sources with U.S. Consumer, aggregating over 3 billion records annually
- Market experience since 1917 in data analysis and modeling

Benefits
As an original compiler, Data Axle has several advantages in developing a superior consumer marketing database: specific knowledge of raw data sources; control over all aspects of the compilation process; a clear understanding of the optimal approach to integrating various sources of data; consistency in the development of modeled attributes; and flexibility in refining and enhancing compilation procedures.

Whether trying to identify target markets, study the demographics of a community, research consumer demand or study potential customers based on hobbies and interests; our database has it all. Compiled from literally hundreds of sources, and updated every month to ensure accuracy. Customers are able to be more profitable by targeting an audience and not blanketing. Clients may customize their marketing efforts; a researcher may find the relative or friend of a family member.

Breadth of Information
More than 200 demographic selects allow for target marketing and research.

Multiple Uses
- Sales leads
- Direct mail
- Customer profiling
- Market profiling
- Academic research
- Economic research
- Historical research
- Neighborhood demographics
Community profiles

Highest Quality
The consumer databases are largely recognized as the best quality, most comprehensive and most accurate data solution for business applications. With consumer data having so many variables, literally billions of records, a competitive audit conducted by an independent auditor, can be found at the end of this proposal.

Update Frequency
Over 20% of Americans move each year therefore keeping our information up to date is critical. We are constantly updating our consumer records – rebuilding the database monthly—to guarantee that you get the most current and accurate information possible. We included our most recent consumer update file transfer.
U.S Standard White Pages
Our U.S. consumer data is continuously updated using electronic and print directory sources.

Searching the database
You can search for individuals:

Or you can search for groups of individuals choosing from a number of different criteria broken into several main characteristics:
Results
Once you have finished choosing your criteria you can review your data several different ways:

Results Table

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Street Address</th>
<th>City, State</th>
<th>ZIP</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maria</td>
<td>Alan</td>
<td>63 Stuyvesant Ave</td>
<td>Jersey City, NJ</td>
<td>07306</td>
<td>Not Available</td>
</tr>
<tr>
<td>Rosemary</td>
<td>Aila-Guanla</td>
<td>293 Stevens Ave</td>
<td>Jersey City, NJ</td>
<td>07305</td>
<td>(201) 985-0380</td>
</tr>
<tr>
<td>Rosemarie</td>
<td>Aila-Guanla</td>
<td>293 Stevens Ave</td>
<td>Jersey City, NJ</td>
<td>07305</td>
<td>(201) 985-0380</td>
</tr>
<tr>
<td>Joshua</td>
<td>Aaron</td>
<td>102 Shearwater Cl...</td>
<td>Jersey City, NJ</td>
<td>07305</td>
<td>Not Available</td>
</tr>
<tr>
<td>Daniel</td>
<td>Aaron</td>
<td>119 Storms Ave</td>
<td>Jersey City, NJ</td>
<td>07306</td>
<td>(201) 435-0913</td>
</tr>
</tbody>
</table>

Heat map
You can view a macro density map of the information or a micro view at the household level
Detailed Record
For micro level data you may view the specific details of individual records, which include hundreds of characteristics:
Exporting Information and saved searches
You can export information by downloading, emailing, or printing records. You can choose various formats, and levels of detail to export. You can also download or print charts, graphs and tables, which are fully cited in both MLA and APA styles.

Users can create personalized accounts and save their search criteria. They can access their searches on the homepage, after logging in with their private user name and password.