

3 Ways to Share Genesis R&D Data Internally & Externally

Presented by ESHA Research

Tuesday, September 19, 2017

11:00 AM PDT | 1:00 PM CDT | 2:00 PM EDT



esha RESEARCH



About ESHA Research

ESHA Research was established in 1981 with the goal of providing a comprehensive nutrition database with few missing values.

Our Solutions Include

- Food Formulation & Labeling Software
- Restaurant Menu Analysis & Labeling Software
- Supplement Formulation & Labeling Software
- Nutrition & Diet Analysis Software
- Consulting Services

Genesis R&D

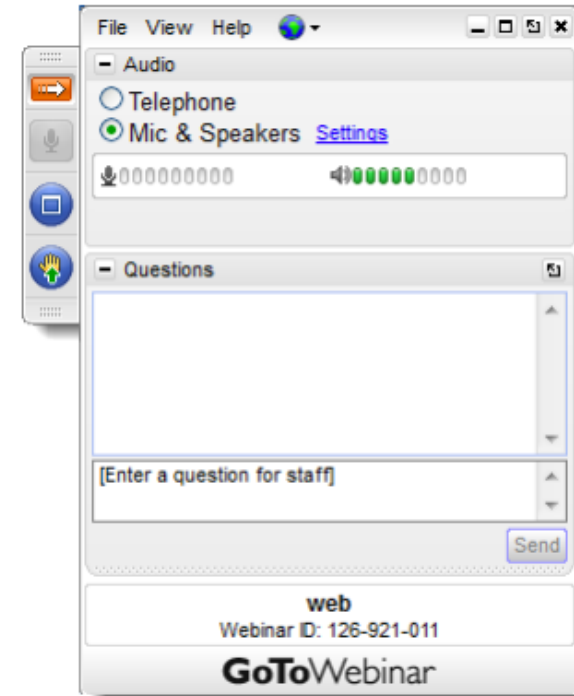
Food Analysis & Labeling Software

- Released in 1991
- Pre & Post 2016 Label formats
- Product Development
- Menu Analysis
- Nutrient Analysis
- Nutrient Search
- Reporting Features
- Audit Trails
- US, Canada, Mexico, & EU Label Formats
- Labeling & Compliance
 - Allergen Statements
 - Ingredient Statements
 - Nutrient Content Claims



Please Note!

- ✓ The webinar is being recorded
- ✓ All webinars available on our website
- ✓ Submit your questions in the GoToWebinar control panel



Today's Agenda

During this 45 minute webinar we will cover:

- Database Exporting & Importing
 - .exl files
 - Using Groups
 - Exporting Label Display & Reports
- ESHA Port
- Genesis API
- Q&A



Exporting & Importing:

- .exl files
- Groups

Exporting:

- Recipe as an Ingredient
- Label Display Report as Vector
- Reports
 - Basic Reports - Print to PDF, excel, notepad
 - Reports Plus – Print as Vector



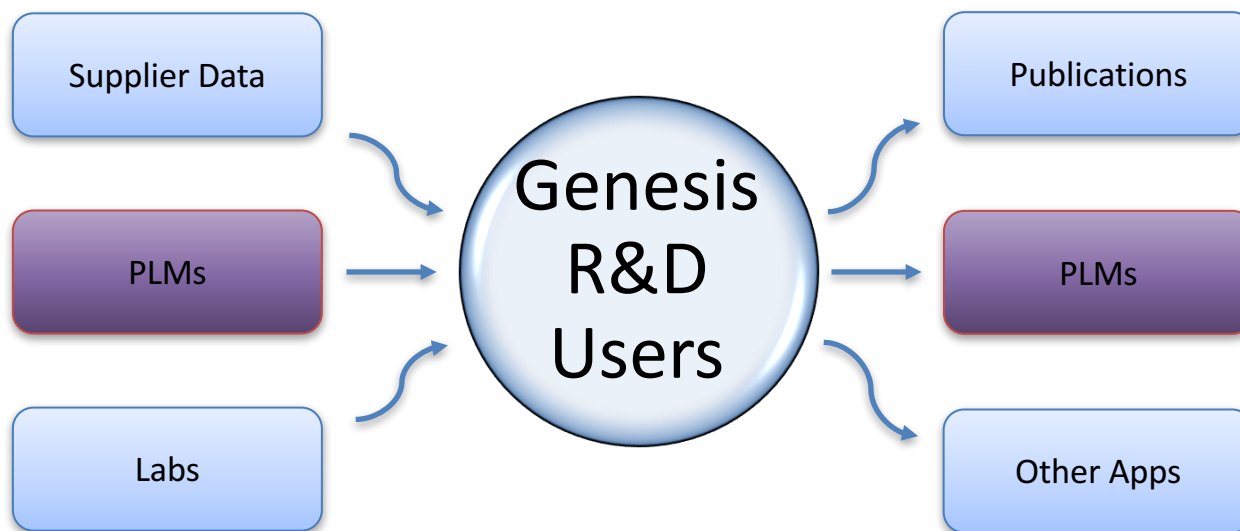
Groups are used in:

- Genesis R&D Foods
- ESHA Port
- ESHA Security
- Genesis API

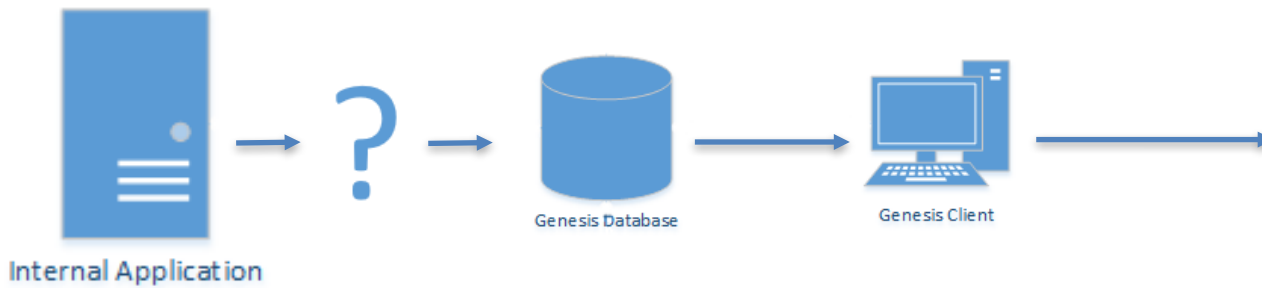
Helpful In:

- Searching for ingredients, recipes, advanced labels, and food menu
- Organizing any above item
- Archiving any above item
- Designate read write access
- Publishing label data to external & internal interfaces





How to generate a label with Genesis using data from your ERP system?



Nutrition Facts	
8 servings per container	
Serving size	2/3 cup (55g)
Amount per serving	
Calories	230
% Daily Value*	
Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160mg	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 235mg	6%

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

ESHA Port 4.4

- Has a UI
- Bulk data import
- Bulk data export
- Text delimited file
- Can be run from the command-line.

Genesis API 3.0

- No UI
- Some bulk operations
- Typically operates on a single record
- Can create new and update existing records
- On-demand/real-time data retrieval

The ESHA Port Solution

- Export from ERP system
 - Delimited Text File
- Import to Genesis via ESHA Port
- Verify formulation in Genesis
- Create Label in Genesis
 - Export Label as a vector image

The screenshot displays the ESHA Port 4.4 software interface, which is used for data integration between an ERP system and Genesis. The interface is divided into several panes:

- Import Options:** Shows the source file path as 'D:\Users\Scott\Documents\Import.txt' and the import operation as 'Create'.
- Selected Fields:** Lists various data fields such as Name, Supplier Name, Product Name, Common Name, User Code, Gram Weight, Calories, Fat, Saturated Fat, Trans Fatty Acid, and Cholesterol.
- Recipe Management:** Displays a recipe for 'SAMPLE, Fruit Salad' with a search bar and a table of ingredients.
- Recipe Table:** A table listing ingredients with their quantities and measures.
- Nutrition Facts:** A detailed view of the recipe's nutritional information, including calories, fat, carbohydrates, and fiber.
- Label Settings:** A dialog box for configuring the label's appearance, including font, size, and layout options.

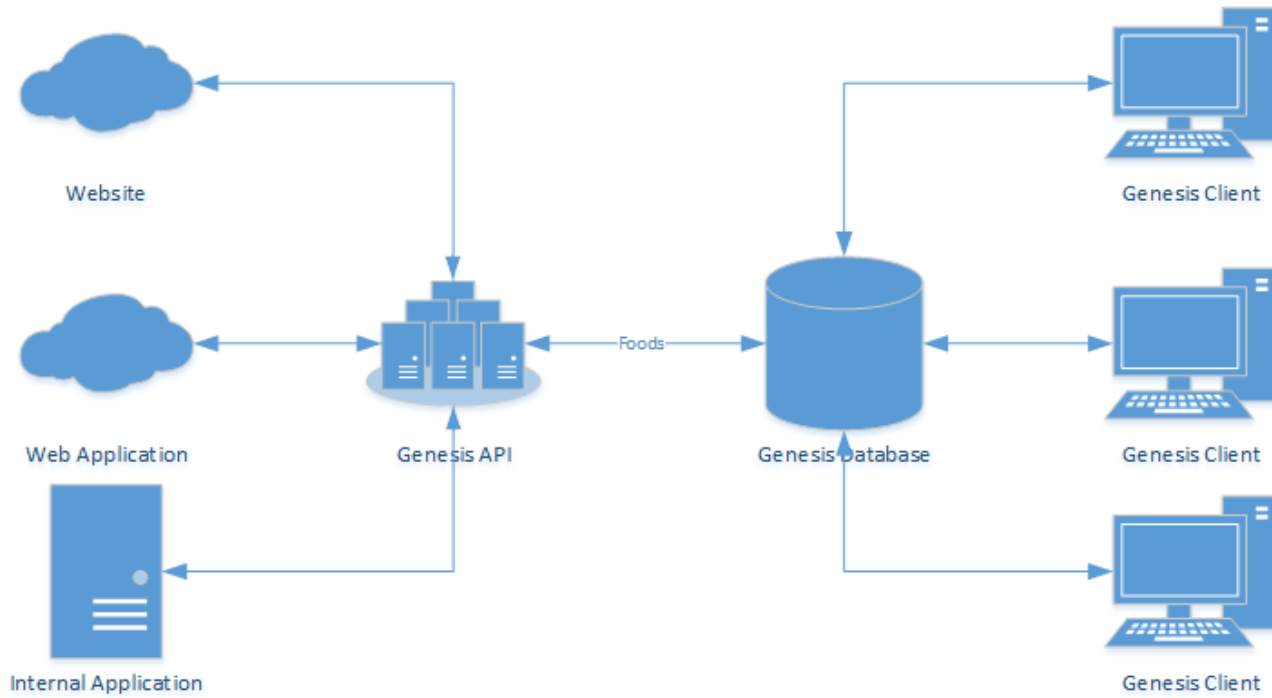
Item Name	Quantity	Measure	User Code
banana fresh, medium, 7" to 7 7/8"	1	Each	
grapes, seedless, fresh, thompson	1	Cup	
apple, fresh, small, 2 3/4"	1	Each	
walnuts english, dried, chopped	0.5	Cup	
pears, canned, halves, in juice	1	Cup	

Nutrition Facts	
servings per container (122g)	
Serving size	
Amount per serving (122g)	
Calories 140	
% Daily Value*	
Total Fat 3g	6%
Total Dietary Fiber 10g	20%
Total Soluble Fiber 10g	20%
Total Insoluble Fiber 10g	20%
Dietary Fiber (2016) 10g	20%
Soluble Fiber (2016) 10g	20%
Insoluble Fiber (2016) 10g	20%
Other Dietary Fiber (2016) 10g	20%
Total Sugar 14g	28%
*Percent Daily Values are based on a diet of other people's secrets.	

What is an API?

- Application Program Interface
- Clearly defined methods of communication between software components or applications
- A bridge between different applications

How it works



The Genesis API 3.0 Solution

- ERP system makes a:
 - *UpdateFood* API call
- API updates food in the Genesis database
- ERP system makes a:
 - *GetLabelImageByFoodId* API call



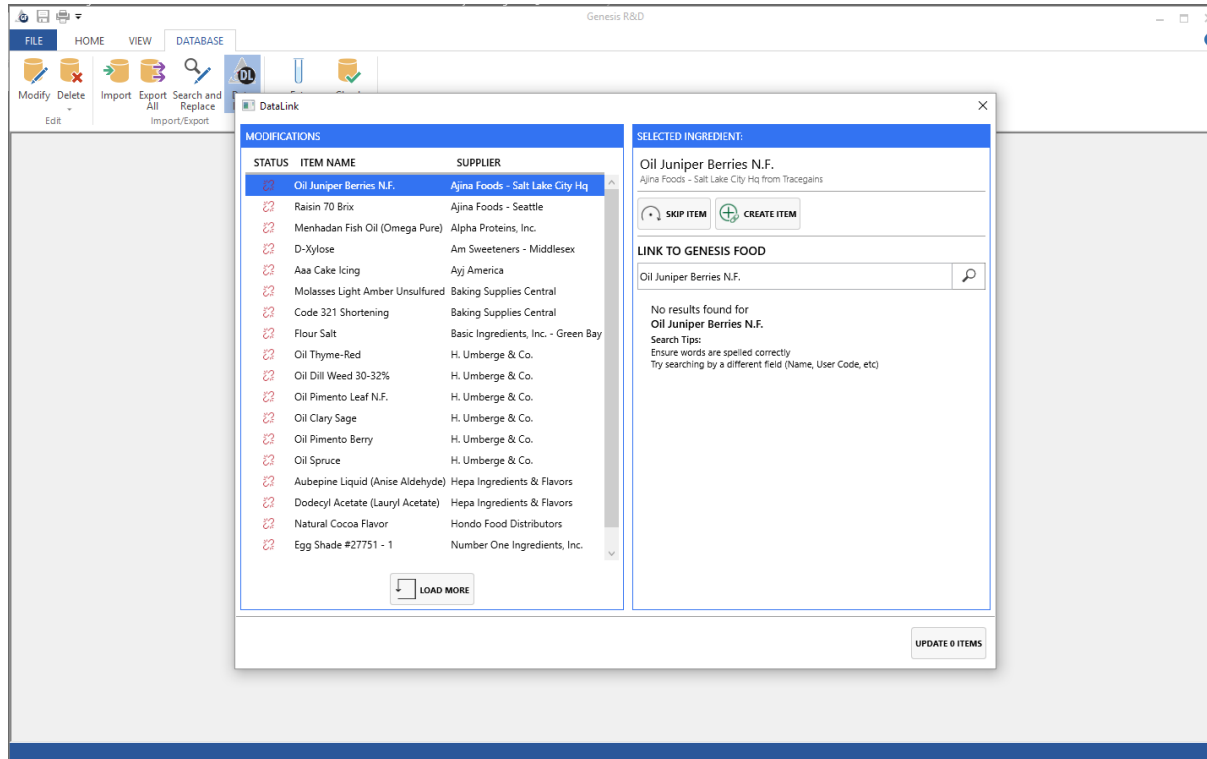
What can you do with the API?

Case Study: Wegmans Grocery



- Links data from Genesis R&D to:
 - In-store scales
 - Website
- Reduces duplicate data entry
- Saves time and resources

What can you do with the API? ESHA DataLink



The screenshot displays the ESHA DataLink interface within a software application. The main window shows a list of ingredients and their suppliers, with a search results panel on the right.

MODIFICATIONS

STATUS	ITEM NAME	SUPPLIER
✓	Oil Juniper Berries N.F.	Ajina Foods - Salt Lake City Hq
✗	Raisin 70 Brnx	Ajina Foods - Seattle
✗	Menhadan Fish Oil (Omega Pure)	Alpha Proteins, Inc.
✗	D-Xylose	Am Sweeteners - Middlesex
✗	Aaa Cake Icing	Ayj America
✗	Molasses Light Amber Unsulfured	Baking Supplies Central
✗	Code 321 Shortening	Baking Supplies Central
✗	Flour Salt	Basic Ingredients, Inc. - Green Bay
✗	Oil Thyme-Red	H. Umberge & Co.
✗	Oil Dill Weed 30-32%	H. Umberge & Co.
✗	Oil Pimento Leaf N.F.	H. Umberge & Co.
✗	Oil Clary Sage	H. Umberge & Co.
✗	Oil Pimento Berry	H. Umberge & Co.
✗	Oil Spruce	H. Umberge & Co.
✗	Aubepine Liquid (Anise Aldehyde)	Hepa Ingredients & Flavors
✗	Dodecyl Acetate (Lauryl Acetate)	Hepa Ingredients & Flavors
✗	Natural Cocoa Flavor	Hondo Food Distributors
✗	Egg Shade #27751 - 1	Number One Ingredients, Inc.

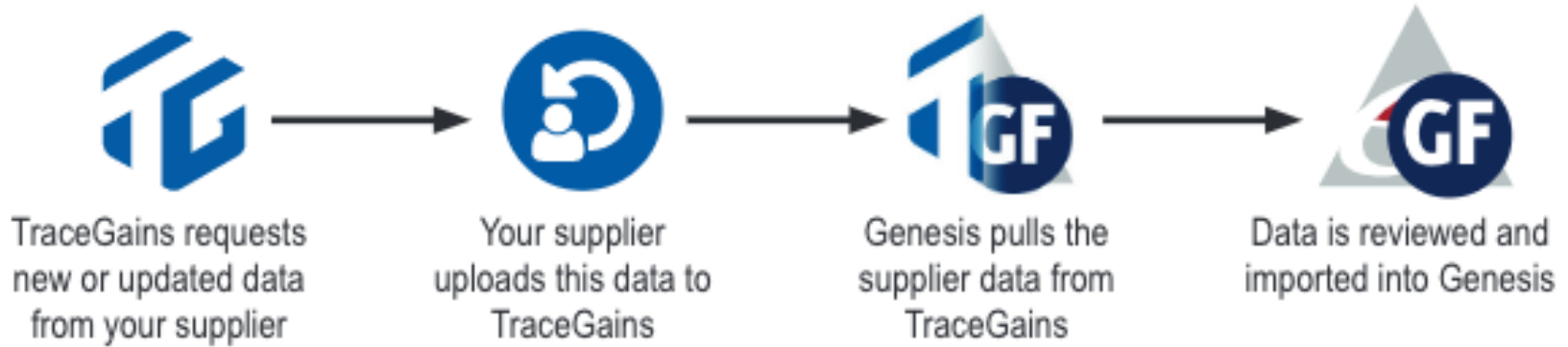
SELECTED INGREDIENT:
Oil Juniper Berries N.F.
Ajina Foods - Salt Lake City Hq from Tracegains

LINK TO GENESIS FOOD
Oil Juniper Berries N.F.

No results found for Oil Juniper Berries N.F.
Search Tips:
Ensure words are spelled correctly
Try searching by a different field (Name, User Code, etc)

UPDATE 0 ITEMS

How it works



Genesis R&D Training

Genesis Professional Training | Oct 10-11, 2017 | Washington, D.C.

This training session covers the fundamentals of the Genesis R&D Food program: creating ingredients, building recipes/formulas, obtaining nutrition analysis, analysis reporting, best practices, and basic labeling features.

Advanced Genesis Workshop | Oct 12-13, 2017 | Portland, OR

This workshop covers advanced topics in detail such as new FDA labeling regulations, due diligence and documentation for transitioning to the new labels, new program features, PDCAAS (protein digestibility score), range formulas, advanced labels, and more.

Genesis Professional Training | Dec 7-8, 2017 | Anaheim, CA

This training session covers the fundamentals of the Genesis R&D Food program: creating ingredients, building recipes/formulas, obtaining nutrition analysis, analysis reporting, best practices, and basic labeling features.

For more information contact training@esha.com.



Questions?

Contact Us!

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