



VERSION EIGHT ENHANCEMENTS

Be a better auditor. You have the knowledge. We have the tools.

About IDEA

Improve your audit results and extend your capabilities. With IDEA®, you can lower your cost of analysis, add more quality to your work and meet the new professional requirements regarding fraud and internal control by putting the power of IDEA to work for you. IDEA can read, display, analyze, manipulate, sample or extract from data files from almost any source — mainframe to PC, including reports printed to a file.

Improve your auditing performance

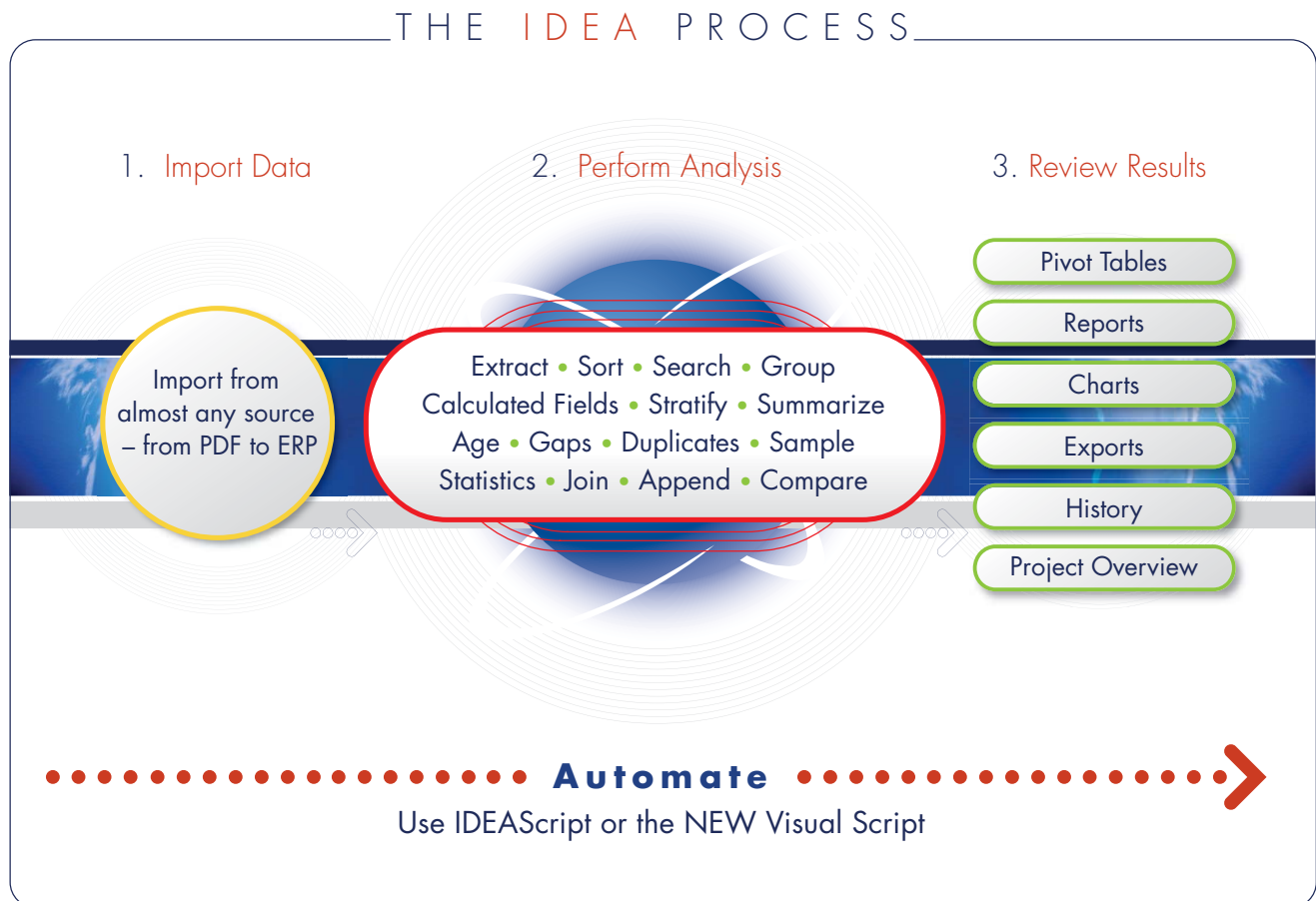
With IDEA's powerful functionality you can improve your results and extend your capabilities. Designed by auditors for auditors.

Gain the professional respect you deserve

Identify control and transaction issues before they become a problem for your employer or client. Nothing improves your career prospects better than finding anomalies not previously detected!

Increase your value

You know how to plan and conduct an audit. Let IDEA help you get more work done in less time. IDEA has a combination of functions and features, not found in any other product, to help you work more efficiently, effectively and add more value to your organization or clients.





IDEA Version Eight introduces exciting new enhancements and features, designed to help you do more, with less training, while improving your software experience. This brochure provides an overview of the new features — IDEA Version Eight continues to be the leading data analysis software!

New Functionality

- **Visual Script** — build your own automation without any coding. You don't have to be a programmer; you just use normal IDEA dialogs to edit your script. (See Page 6)
- **Project Overview** — a graphical representation of the work done on all the files in a Working Folder. You can even create Visual Scripts or IDEAScripts directly from Project Overview. (See Page 4)
- **Custom Functions** — create your own equations. You can import, export, share and even download Custom Functions from a website. Use them in the Equation Editor just like @Functions. (See Page 7)
- **New @Functions** — @FieldStatistics allows you to use field statistics in your equations. @GetNextValue allows you to use the value of the next record in your equation. @GetPreviousValue allows you to use the value of the previous record. (See Page 7)

Ease of Use Enhancements

- Increased flexibility with network and standalone licensing.
- Imports
 - Drag and Drop files directly into IDEA, automatically opening the Import Assistant.
 - Re-run is now supported for imports.
 - IDEA Server imports now include ODBC and Excel.
 - Report Reader: 4 GB file size limit removed; much faster PDF import without compromising accuracy; Post Append Layer expanded to 2,000 lines;
 - Create or modify a record definition without having to open a data file.
- Report names now based on the Result name.
- Display fields in their natural order — sort in ascending, descending and natural order.
- Dialog improvements for Stratification, Key Value Extraction, Top Records Extraction.
- Improved readability — you can now assign an alternating row color to the database grid view.
- Select multiple records and save with new "Save only selected records".
- Apply criteria or modify values with "Display All Records Containing..." right-click function.
- Field selection toolbar — bring a selected field into view; useful for databases containing more fields than can be displayed in the Database window.
- Display Criteria history — last 8 criteria applied will be displayed.
- Monetary Unit Sampling enhanced to allow the use of percent for Tolerable Error and Expected Error.
- Export enhancement — include field names as the first row when exporting to Text Delimited or Fixed Length.
- Equation Editor enhancements — field names always visible; hide the Help window for more space for your equation.
- Software updates — IDEA will look for new updates available; quarterly releases to improve reaction to user needs.



Project Overview

Project Overview offers the user an exciting new way to view and review work done on a project. It provides a graphical overview of all the actions performed within a Working Folder or IDEA Server project, including the creation, deletion, and modification of databases as well as recording all actions performed.

A graphical view of all the tasks conducted in your project

The screenshot displays the IDEA software interface in 'Graphic' mode. On the left, there are three filter panels: 'Date' (with 'Filter by date' checked and a range from 12/12/2008 to 12/18/2008), 'Subfolder' (with 'Filter by subfolder' checked and 'Working folder' and '#ending' selected), and 'Users' (with 'Filter by user' checked and 'bob.coles', 'maeling.palomo', and 'michael.simons' selected). Below these is an 'Other' section with 'Local and IDEA Server' selected and 'Do not show deleted databases' checked. The main area shows a hierarchical flow of database tasks. Three main input nodes are visible: 'Import from Excel' (pencil022006-pencil0201.IMD), 'Access Import' (Sales Tracking File-Sales Tracking File.IMD), and 'Import from Excel' (Payments transaction file-Payments.IMD). These lead to various processing tasks like 'Record Extraction', 'Key Value Extraction', and 'Summarization'. A central node 'Key Value Extraction Type1.IMD' is expanded, showing a list of analysis techniques: Benford's Law, Correlation, Stratification, Join Databases, Index Database, and Trend Analysis. A red arrow points from a text box to this expanded node. Another red arrow points from a text box to the 'Filter' section on the left. A third red arrow points from a text box to the bottom of the diagram.

Create a script from the tasks selected in the graphic

Display only databases created in a date range, by specific users or by location

Expand the nodes to see the results created from the selected database

Graphic mode displays the parent-child relationships between databases. All tasks that have been executed are contained within each database node; each node contains the task name and the database name.



In the Table View, you can group the data by dragging a column header into the grouping area. Double-click on any column to sort the tasks based on that column. Groups can be expanded and collapsed.

A table view of all the tasks conducted in your project

Group the different tasks by any available attribute

Sort the tasks by any attribute

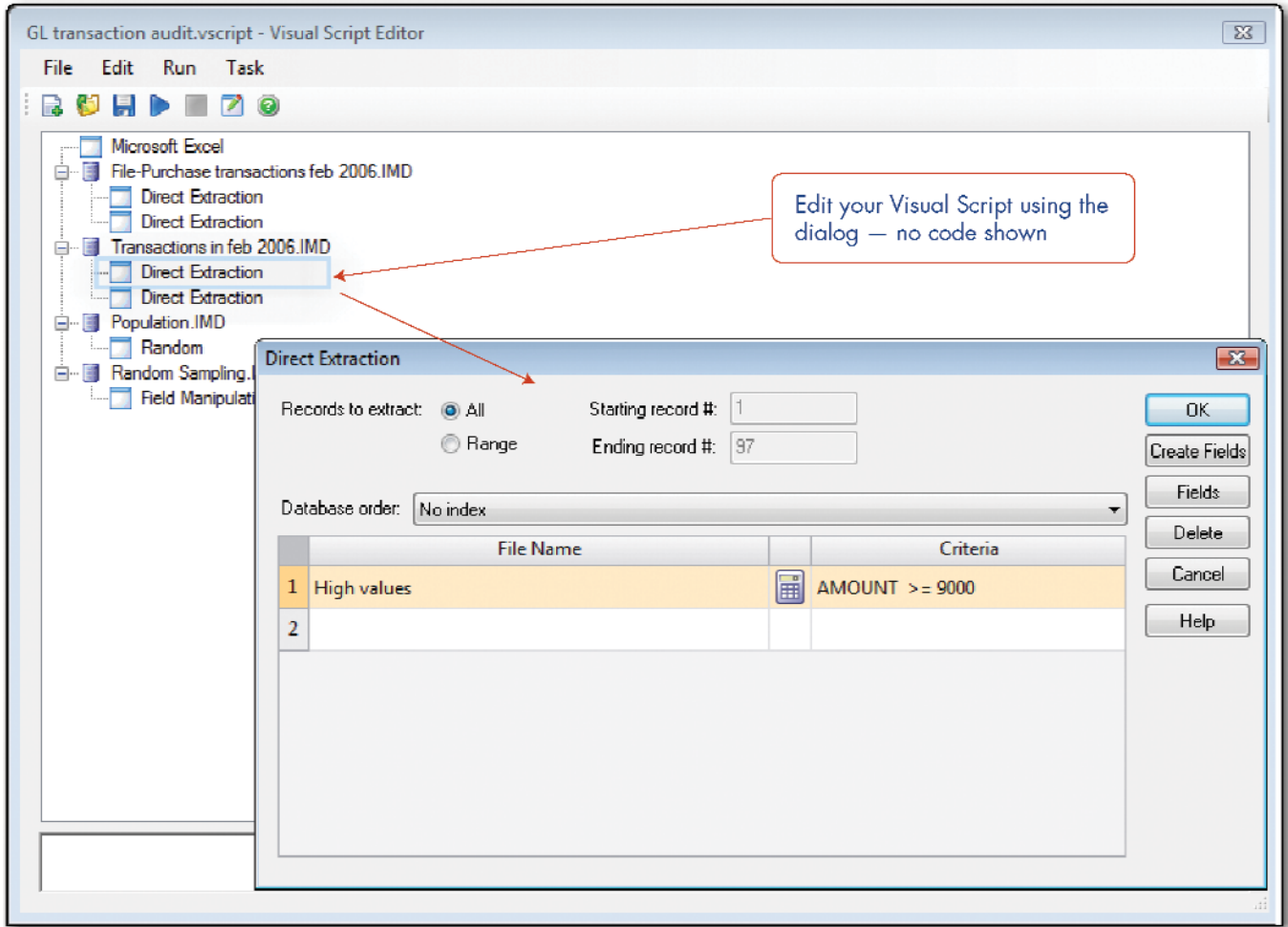
The screenshot shows the 'Project Overview' window in IDEA. The 'Table' view is active, displaying a table of 47 items. The table is grouped by 'User Name'. The columns are: Task, Database Name, User Name, Output Type, Subfolder, IDEA Server, and Date. The 'User Name' column is currently selected in the filter area. The table is sorted by 'Date'.

Task	Database Name	User Name	Output Type	Subfolder	IDEA Server	Date
User Name: Bob.Coles - 5 Items						
Record Extraction	High valuesJMD	Bob.Coles	Database		No	12/18/2008
Record Extraction	PopulationJMD	Bob.Coles	Database		No	12/18/2008
Random record sampling	Random SamplingJMD	Bob.Coles	Database		No	12/18/2008
Add Fields	Random SamplingJMD	Bob.Coles	Field Manipulation		No	12/18/2008
Record Extraction	NON PERMANENT SUPPLIERSJMD	Bob.Coles	Database		No	12/18/2008
User Name: Maeling.Palomo - 10 Items						
User Name: Michael.Simons - 32 Items						
Stratification	Sales Tracking File-Sales Tracking FileJMD	Michael.Simons	Result		No	12/18/2008
Summarization	SummarizationJMD	Michael.Simons	Database		No	12/18/2008
Summarization	Payments transaction file-PaymentsJMD	Michael.Simons	Result		No	12/18/2008
Key Value Extraction	Type=0JMD	Michael.Simons	Database		No	12/18/2008
Key Value Extraction	Type=1JMD	Michael.Simons	Database		No	12/18/2008
Key Value Extraction	Type=2JMD	Michael.Simons	Database		No	12/18/2008
Key Value Extraction	Type=9JMD	Michael.Simons	Database		No	12/18/2008
Key Value Extraction	Type= JMD	Michael.Simons	Database		No	12/18/2008
Benford's Law	Type=1JMD	Michael.Simons	Result		No	12/18/2008
Benford's Law	Type=1JMD	Michael.Simons	Result		No	12/18/2008
Delete Database	Benford First DigitJMD	Michael.Simons	Delete Database		No	12/18/2008
Delete Database	Benford First Digit1JMD	Michael.Simons	Delete Database		No	12/18/2008
Delete Database	Benford First Two DigitsJMD	Michael.Simons	Delete Database		No	12/18/2008
Delete Database	Benford First Two Digits1JMD	Michael.Simons	Delete Database		No	12/18/2008
Summarization	Summarization1JMD	Michael.Simons	Database		No	12/18/2008
Record Extraction	Large amount productJMD	Michael.Simons	Database	Finding	No	12/18/2008
Correlation	Type=1JMD	Michael.Simons	Result		No	12/18/2008
Rename File	Rejected transactionJMD	Michael.Simons	Rename Database	Finding	No	12/18/2008
Rename File	Posted transaction summaryJMD	Michael.Simons	Rename Database		No	12/18/2008
Add Fields	Posted transaction summaryJMD	Michael.Simons	Field Manipulation		No	12/18/2008
Stratification	Type=1JMD	Michael.Simons	Result		No	12/18/2008
Join Databases	JoinJMD	Michael.Simons	Database		No	12/18/2008



Visual Script

Visual Script offers you an easy way of automating your tests and reports — no programming required! You can create or edit your script using the normal IDEA dialogs.

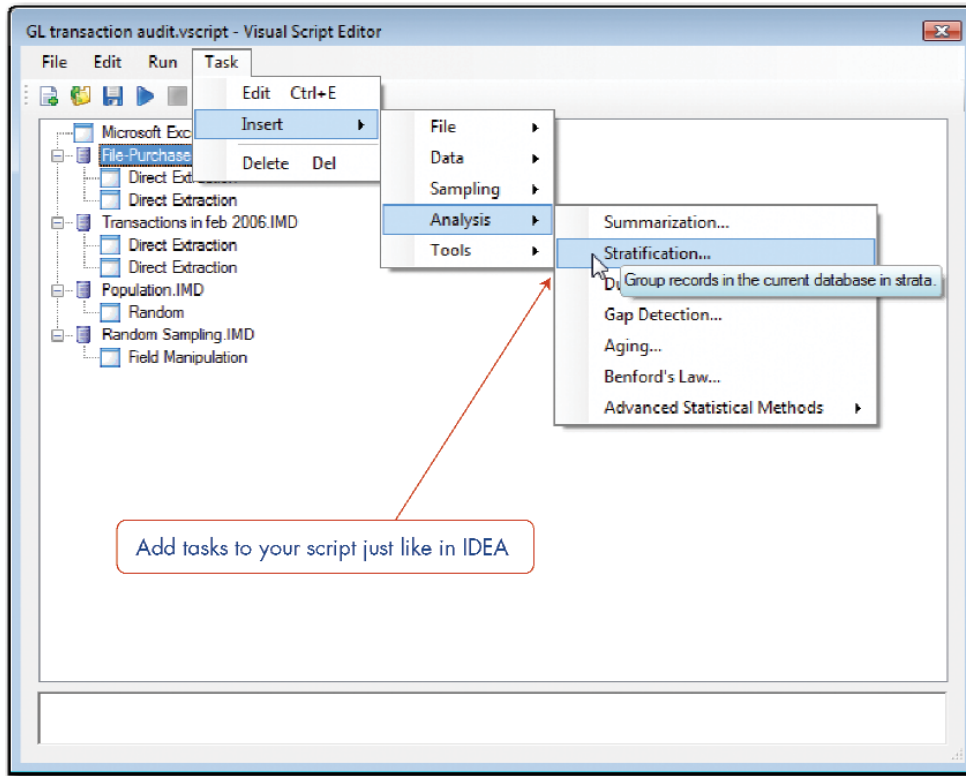


It's simple to edit a Task in a Visual Script. Simply select the task in the Visual Script Editor window, then select **Task > Edit**. The dialog box for the selected task will appear and you can make your desired changes.



Visual Script (cont'd)

Visual Script is the visual representation of IDEAScript. The benefit of Visual Script is that it allows you to automate tasks that you perform repeatedly without writing any code or programming. If required, you can then convert your Visual Script into an IDEAScript.



New @Functions

@GetNextValue allows you to use the value of the next record in your equations. @GetPreviousValue allows you to use the value of the previous record. @FieldStatistics allows you to access any field statistics and use them in your equation, such as comparing each transaction with the average value of all the transactions.

The screenshot shows the 'IDEA - Sample-Detailed Sales' window. It displays a data table with the following columns: INV_NO, INV_DATE, SALES_BEF_TAX, SALES_TAX, SALES_PLUS_TAX, and AVERAGE. The data rows are as follows:

	INV_NO	INV_DATE	SALES_BEF_TAX	SALES_TAX	SALES_PLUS_TAX	AVERAGE
Average value			12,690.74	1,269.01	13,959.20	0.00
1	1000047	7/21/2008	431.28	43.13	474.41	13,959.20
2	1000054	3/17/2008	377.37	37.74	415.11	13,959.20
3	1000115	6/10/2008	7,241.91	724.19	7,966.10	13,959.20
4	1000171	5/30/2008	1,497.50	149.75	1,647.25	13,959.20

A tooltip for the @FieldStatistics function is visible over the 'AVERAGE' column, showing the formula: @FieldStatistics("SALES_PLUS_TAX",11).

Custom Functions

Although IDEA comes with over 100 @Functions, you may find the need to create something specific to your exact needs. Now you can create your own equations. You can import, export, share and even download Custom Functions from a website. Use them in the Equation Editor just like any @Functions.



You can do even more with these **IDEA Version Eight Optional Components**



Data analysis for the enterprise

IDEA Server provides enterprise level data analysis, with the ability to effectively process huge files, while maintaining the familiar, easy to use IDEA interface. IDEA Server is fully scalable in a fault tolerant and load balanced environment.



Improve your audit effectiveness and efficiency

IDEA Smart Analyzer – Financial is a collection of basic audit tests and reports that can be run by any auditor with a minimum amount of training. IDEA Smart Analyzer – Financial is installed within IDEA with full online help and easy to follow dialog boxes, making it a simple task to deploy within your firm or audit department. Improve your audit effectiveness and consistency with prepackaged audit tests for general ledger, accounts receivable, accounts payable, inventory and fixed assets.

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