

“Advanced” ACL Training

Course Requirements:

- Attendees will need to bring a laptop (with a CD reader) with the ACL software, version 9 already installed.
- Training files will be provided to you via Email approximately two weeks before the start of the training session.

Session Description:

Learn how to improve your technical skills using the ACL software package. Not only will you be taught in an exciting hands-on fashion, you will be provided additional course materials to help you on your next audit, which will include:

- ACL Scripts that provide a model for use in continuous data monitoring routines
- Suggestions for determining what tests should be performed
- List of suggested tests to be performed

“Advanced” ACL Course Content:

- An explanation on updates to the ACL document structure, *including updates on the newest version of ACL.*
- Resolve questions from the users about problems/questions the class attendees have regarding prior use of ACL. A questionnaire will be forwarded to class attendees to solicit any issues/problems they have with ACL.

As a result of participation and completion of the exercises conducted in the hands-on ACL “advanced” training course, attendees will gain a comprehensive understanding in the following topic areas:

- Define ACL Tables, formerly called “Input File Definitions” using difficult data file structures, for example:
 - IBM Mainframe files (also AS400)
 - Standard and non-standard delimited files
 - Difficult print files, etc. requiring the use of “static” conditionals
 - ODBC compliant files and databases
 - Multi-record files

You will be instructed how to handle complex data field types, including:

- “Packed” numeric and date fields
 - “Float”, “Zoned”, etc. numeric fields
- Understand how to properly ‘Link’ the ACL Table to their respective data files and to properly create, duplicate and modify Table’s. Also, learn how to update (import) your data using ODBC source files/databases including the “Refresh” command

- You will receive a detailed understanding of how to create, modify and copy ACL 'Workspaces'

“Advanced” ACL Course Content (cont.):

- Detailed explanations, of ACL program preference settings required in advanced applications will be provided
- Advanced reporting techniques, including multi-line reporting
- Perform difficult file 'Joins'. This will include an explanation on differences between “Join” and “Relations” commands
- Use ACL functions, in various ways, to manipulate how ACL processes your data. We will utilize ACL functions that adjust data fields, bytes and bits. Detailed examples will be provided to all attendees.
- Learn how to create, apply, retain and delete ACL variables. The use of variables will be applied in the creation of ACL scripts
- Learn how to build, edit and execute “interactive” scripts, formerly called batches, using a front-end dialogue screen that contains prompts, pull-down boxes, radial buttons etc. A case study will be used to show how to properly document and organize your scripts

About the Instructor:

Bob Makowski is a consultant for **Luminescent Inc.**, <http://www.luminescentgroup.com>, a forensic accounting firm located in Minneapolis, MN that specializes in providing data analysis support to Audit, Investigations and Operational functions. **Luminescent Inc.** is recognized as a leader in the areas of computerized data analysis and support. Mr. Makowski has conducted well over 300 ACL training sessions (Introductory, Intermediate, Advanced, ACL Script Writing).