

# ACL Certified Training



## ACL 303 ADVANCED SCRIPTING

MOROGORO OR KIBAHA  
MAY 21 - 25, 2018.  
(5 DAYS)

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SEE INSIDE FOR COURSE DETAILS

## Learning Objectives

Practical examples to Create interactive scripts to implement automated routines, continuous auditing and monitoring and gain further insight into organizational data.

The case studies include business-relevant data. Real Data from Organizations attending the course will be used if available.

## Course Outline

### INTRODUCTION

- ❖ **Installing software**
- ❖ **Activity data files**

### 1: RECAP / SCRIPT BASICS

- ❖ **Introduction to Basics**
- ❖ **Using Launchpad**
- ❖ **Working with ACL scripts**
- ❖ **Creating scripts**
- ❖ **Troubleshooting & Activity 1.1**
- ❖ **Environment settings**
- ❖ **Commenting**
- ❖ **Working with values & hotkeys**
- ❖ **Field list and the ALL keyword & Activity 1.2**
- ❖ **Variables & Activity 1.3**
- ❖ **Functions & Activity 1.4**
- ❖ **Conditional computed fields & Activity 1.5**

## **2: DATA ACCESS SCRIPTS**

- ❖ **Introduction to Importing**
- ❖ **Importing files**
- ❖ **Variable substitution & Activity 2.1**
- ❖ **Continuous auditing**
- ❖ **ODBC & Activity 2.2-2.4**
- ❖ **Advanced importing & Activity 2.4**
- ❖ **Working with dates & Activity 2.5**
- ❖ **Handling other data sources**

## **3: DATA ANALYSIS SCRIPTS**

- ❖ **Introduction to analysis scripts**
- ❖ **Script structure**
- ❖ **Interactive scripts & Activity 3.1**
- ❖ **Transactional filters & Activity 3.2**
- ❖ **Main logic & Activity 3.3**
- ❖ **Structuring results prior to reporting & Activity 3.4**
- ❖ **Cleanup & Activity 3.5**
- ❖ **Keyword Analysis & Activity 3.6-3.9**
- Outlier Analysis & Activity 3.10 & 3.11**

## **4: STRUCTURING SCRIPTS**

- ❖ **Introduction to structuring scripts**
- ❖ **Data preparation**
- ❖ **Advanced harmonization & Activity 4.1**
- ❖ **DIRECTORY command - Importing the most recent file in a folder & Activity 4.2**
- ❖ **Importing all files in a folder - Looping subscripts**
- ❖ **Appending tables & Activity 4.3**

- ❖ **Get to know ACL ScriptHub**
- ❖ **Calculating a Classified Running Total using ACL ScriptHub & Activity 4.4**

## **5: BEST PRACTICES & ADVANCED TOPICS**

- ❖ **GROUP command & Efficiency in script writing & Activity 5.1**
  - ❖ **Joining & relating and sorting & indexing**
  - ❖ **Readability in script writing**
  - ❖ **Snippets & Activity 5.2**
- Creating a dynamic script (script within a script) & Activity 5.3**

## **ADDITIONAL CONTENT**

- ❖ **Appendix - Standard Deviation**
- ❖ **Appendix - About Results Manager**
- ❖ **Appendix - Dialog Boxes in Scripts**

### **Course Instructor.**

**ACL Certified Trainer & ACL Certified Data Analyst (ACDA)**

### **Fees.**

**The course fee TZS 2,240,000.00 per delegate VAT exclusive.**

### **Mode of Payment.**

**All payments to be made in advance to: - Victoria Computers and Telecoms Ltd.**

### **Certification.**

**An ACL certificate will be awarded upon accomplishment of the training.**

## **REGISTRATION FORM**

**Please complete the Registration and return the same to:**

**The Managing Director,**

**VICTORIA COMPUTERS AND TELECOMS LTD;**

**17<sup>TH</sup> FLOOR, GOLDEN JUBILEE TOWER (PSPF), OHIO STREET;**

**P.O. Box 7085, DSM Tel.:022 211 9916; Mobile: 0754 434 335;**

**Fax : 022 211 9928; E-mail: wminja@intafrika.com, info@vicatel.com**

### **PLEASE COMPLETE IN BLOCK CAPITALS**

Course Title: \_\_\_\_\_ Dates: \_\_\_\_\_

Surname: \_\_\_\_\_ Title (Prof/Dr/Mr/Ms/Mrs) \_\_\_\_\_

First Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

#### Payment Details

**ACCOUNT NAME: VICTORIA COMPUTERS AND TELECOMS LTD.**

**USD ACCOUNT: A/C NO: 0400626014.**

**DIAMOND TRUST BANK TANZANIA LTD;**

**SWIFT CODE : DTKETZTZ;**

**MAIN BRANCH**

**TZS ACCOUNT: A/c NO.: 018103002983;**

**NATIONAL BANK OF COMMERCE;**

**SWIFT NO: NLCBTZTXXXXX;**

**MNAZI MMOJA BRANCH**

## **CANCELLATIONS**

Cancellations have to be made in writing before the payment deadline. 90% refunds will be made for cancellations before the deadline. 50% refunds will be made for those made between the deadline and the course commencement. No refunds will be made for cancellations after the course commencement.