



CASES IN CYBERSECURITY

Advanced Cases in Assurance Services (ACCTG 521)
Class 13 | MPAcc class of 2025

Review

Overview

Deliverable

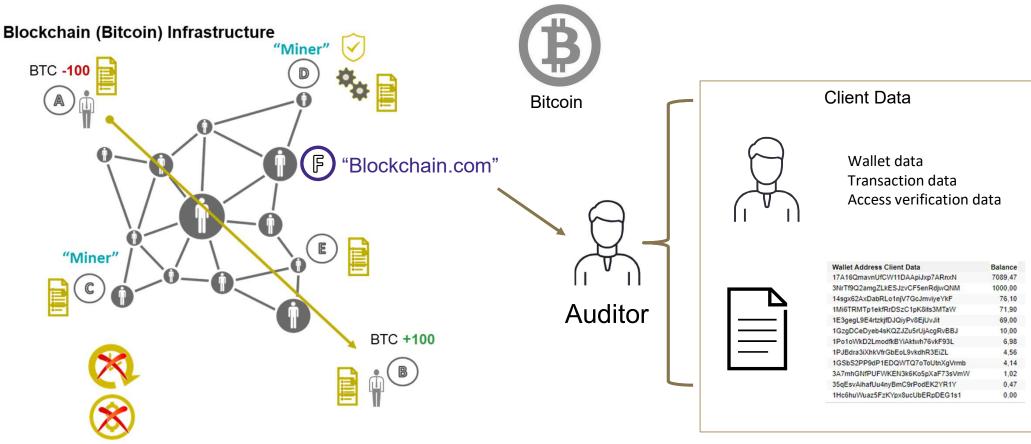
Lab:



Review

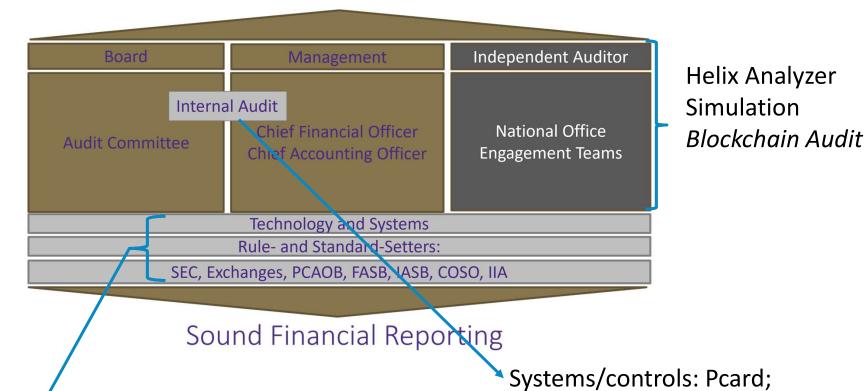


Rather than relying on a central entity to verify transactions, blockchains are managed and secured autonomously by a peer-to-peer network.



Reconcile a blockexplorer's data with client records.

Effective Financial Reporting Governance



Alteryx suspicious transactions.

Early Classes on Economics of Audit, Systems: Transaction Analyses (incl: 522)

Review

Overview

Deliverable

Lab:



Overview

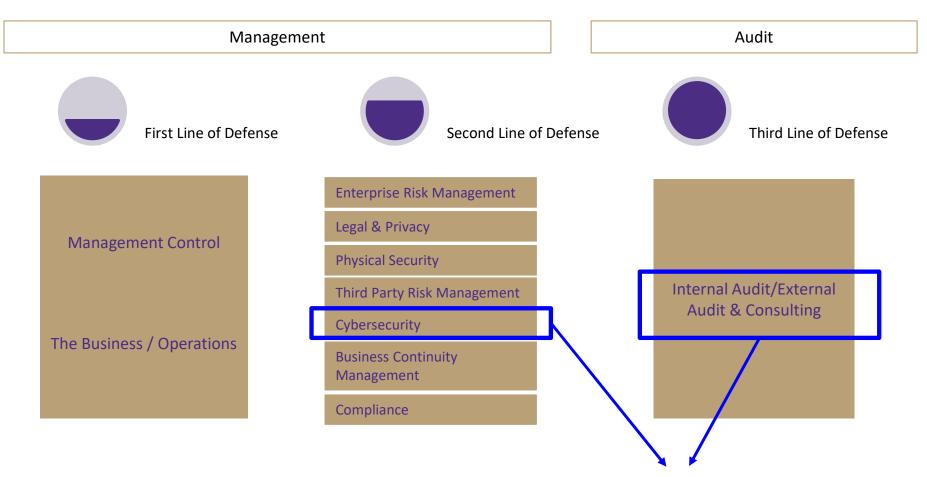


Effective Financial Reporting Governance

Cybersecurity



Sound Financial Reporting



Information Technology General Controls ITGC: *Testing and Compliance issues*

Review

Overview

Deliverable

Lab:



Deliverable

A 1-page memo with screenshot of your final Alteryx workflow

The memo should answer the following (based on Q7 and Q8 of the case):

- 1. Based on your analysis, what do you believe should be the next steps for the external audit?
- 2. What other concerns do you have from reviewing the data? List at least three concerns you have and explain why you are concerned.

Review

Overview

Deliverable

Lab:

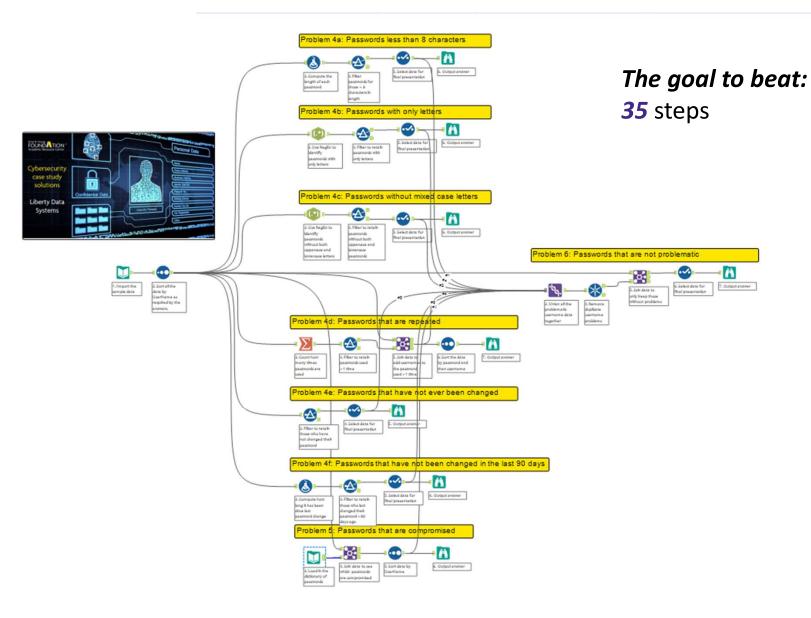


The Challenge

Limited time; need to make an efficient/effective workflow.

The Challenge: Do better than the following screenshot by using fewer steps.

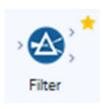




Tool Suggestions



Formula tool can accommodate many expressions, including RegEx, and output data in many formats (e.g., Boolean).



Filter tool can accommodate many custom conditions using AND, with Boolean = 1 = True.

Professional Accounting

RegEx Help

RegEx that matches the following plain English:

- Only lowercase letters:
 - "[a-z]*"
- Upper and lowercase letters:
 - ".*[a-z].*[A-Z].*|.*[A-Z].*[a-z].*"
- The "|" pipe delimiter is an "OR" operator.



Final Hints

Combine steps into Formula and filter tools, use boolen (or False=0/True=1) to simplify the filter conditions.

Final output is Passwords that are NOT problematic, you will find (only) 6 meet the criteria.



