

Final Project Outline

Cloud - Access Management

1. Introduction of company and topic

- IBM: a global technology company that provides hardware, software, cloud-based services and cognitive computing
- Access management: user access management (UAM) or identity and access management (IAM) refers to the process of managing user identities and administering their access to IT resources such as systems, applications, files, and networks

2. Management overview

- Virginia Rometty, CEO and President
- James Kavanaugh, Senior VP of Transformation and Operations
- Martin Schroeter, Senior VP, Treasurer and CFO
- Arvind Krishna, VP of Cognitive Software
- Kenneth Keverian, VP of Corporate Strategy

3. Risk assessment with analysis

- Orphaned Accounts, Shared/Service Accounts, Unauthorized Changes, Toxic Combinations

4. Management control assessment

- Assessment of control design and efficiency
- Assessment of test control effectiveness
- Verification of customizing settings and appropriate rating/notification of findings

5. Flow diagram of data and/or processes

https://teekaleone.files.wordpress.com/2013/12/amprocessflow_teekaleone.jpg

6. Audit program with audit steps

- Request documents (i.e. organizational charts, copies of bylaws and standing rules)
- Develop audit plan and timeframe of the audit
- Schedule an open meeting to interview selected management (documentation librarian, systems programming managers, etc.)
- Conduct onsite fieldwork to test for compliance with policies and procedures Prepare audit report detailing findings of the report
- Set up a closing meeting to discuss action plans and resolve disagreements, follow up

7. Audit fieldwork

- Determine adequacy of controls (strong passwords, storage location of documentation)
- Test compliance with policies and procedures
- Obtain data logs and check for strange data (what file was accessed? What time of the day was it accessed? Who logged in? From what location was it logged in?)
- Conclude a list of significant findings to prepare a draft of the audit report

8. Recommendations

- Identity Theft Prevent Program
- Suspicious Activity Reporting