Abstract

Most enterprise legacy applications tend to lack supportive or detailed documentation about the user access permissions defined in their systems. When a need arises to clean up data with some or no input about the permissions, a considerable amount of time and effort is consumed in understanding permissions and the discrepancy of their assignment in the system. This
paper proposes an approach which would help mine the discrepancies in permission assignments in a given dataset with useful data representations leading to less time required for the user-access clean-up process. The present work also discusses the implementation of the approach through a case study.

Reference


Index Terms

Computer Science

Security

Key words

Permission assignment discrepancy
user privilege analysis
RBAC
Role Based Access Control
entitlement discrepancy
user authorization analysis