Dynamic Risk-Based Access Certifications

Reducing rubber-stamping, time spent and overall risk through outlier certification

The Challenge

Traditional IGA (identity governance and administration) solutions have outlived their standalone usefulness to achieve operational efficiencies and compliance reporting. As a result, organizations struggle with account/entitlement proliferation and effective governance. Due to the proliferation of access (accounts and entitlements) and lack of business-friendly access descriptions, managers and data owners face time-intensive requirements for access review and end up rubber-stamping, just to pass the security and compliance audits. The result is a threat plane of unknown magnitude, due to ineffective access governance controls, which exposes the organization to greater risk. The contributing risk factors include: siloed implementation of application access design; undetected and unmanaged rogue, service and privileged accounts; excessive and inherited access; residual access, etc. To address these challenges, organizations must employ a proactive perspective and adopt a solution providing actionable intelligence to drive dynamic risk-driven security controls.

The Solution

Gurucul Risk Analytics (GRA) provides a comprehensive identity analytics (IdA) platform, with a range of analytical techniques to detect access outliers based on contextual data, which delivers actionable intelligence to drive dynamic risk-based certifications. Risk scores are derived based on threat indicators from identity, accounts and entitlements, assets, and behavior context. The user-centric risk score triggers risk-based access certification campaigns within GRA, or externally, leveraging an organization's existing access certification system. The end result is access certifications provide the most effective and efficient access governance and administration processes available.
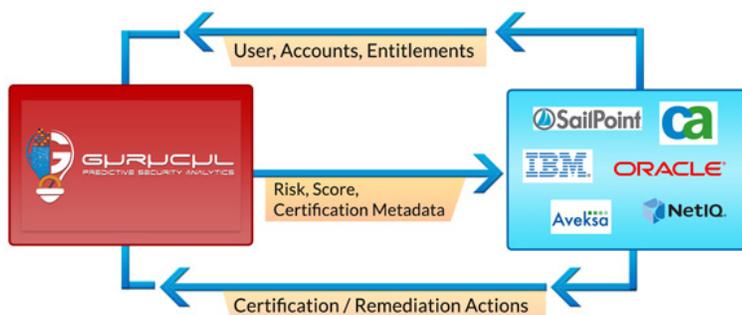
GRA supports seamless bidirectional API-based integration with leading IGA solutions to :
- Import identities, accounts and entitlements with metadata
- Trigger risk-based outlier access certifications
- Provide closed-loop integration with importing access certification actions

GRA's IdA solution uses advanced machine algorithms to analyze accounts and entitlements associated with users and peer-groups. High-risk access outliers are flagged based on the contextual metadata from various data elements including: resource, application, account, entitlement, user and peer-group. GRA leverages user activity data to influence outlier results based on usage patterns. GRA provides a flexible configurable option to adjust the acceptable outlier percentage and risk score cut-offs to trigger access certifications. It also provides flexibility to control the scope of outlier detection based on a selective set of data elements.

Benefits of GRA Risk-based Certification

- Delivers significant reduction in the time and effort managers or data owners need to spend to complete access certifications
- Provides up to 90% reduction in the total number of certifications launched
- Increases the effectiveness through fewer certifications, thus reducing rubber-stamping
- Delivers an increase of up to 5X in the access revocation rate
- Reduces overall risk exposure by reducing the excess access threat plane

90% Decrease in the certifications launched

60% Reduction in manager time spent on certifications

5X Increase in the revocation of previously certified access

Awards

About Gurucul

Gurucul is changing the way enterprises protect themselves against insider threats, account compromise, and data exfiltration on-premises and in the cloud. The company's user and entity behavior analytics (UEBA) and identity analytics (IdA) technologies use machine learning and predictive anomaly detection algorithms to reduce the attack surface for accounts, unnecessary access rights and privileges, and identify, predict and prevent breaches. Gurucul technology is used globally by large enterprises in finance, banking, insurance, manufacturing, hi-tech, pharmaceutical and retail.