BeeKeeper AI™ from DataBee

Solution brief

Introduction

The meteoric rise of generative AI may lead to the democratization of information access and increased productivity through natural language queries. As organizations with AI initiatives and investments evaluate how their end users can interact with generative AI for productivity and innovation, they may wonder what would happen if their data could talk to them. For cybersecurity, risk, and compliance teams, BeeKeeper AI™ from DataBee® from Comcast Technology Solutions is a generative AI application that uses your security data to identify gaps and proactively strengthens your security posture.

Challenges

Most organizations have an expansive asset, device, and application population. When these elements are orphaned or owners are unknown, this can represent a potential entry point for bad actors, insider threats, and unintentional compliance violations.

However, asset discovery and owner verification has historically been a manual effort. When incident remediation efforts rely on accurate asset inventory, cross-team collaboration is critical, but engineering and ops teams often have the short end of the stick. In Comcast's own experience, 10% of tickets requiring asset remediation were reassigned 20 or more times to potential owners, with each reassignment taking an additional hour of work.

Solution

Data is the essential layer that enables intelligent and actionable insights from generative AI applications. BeeKeeper AI is powered by the security data fabric platform from DataBee. The DataBee Hive™ delivers high-quality datasets that have been cleansed and optimized with diverse data feeds and sources from across your environment. As data processes, related security and compliance insights are connected and patent-pending entity resolution technology is applied to resolve entities on stream.

BeeKeeper AI directly contacts end users through your enterprise chat client such as Microsoft Teams® to find and validate asset and application ownership. The large language model (LLM) used by BeeKeeper AI is trained using the enriched dataset and is designed with guardrails for its contained use and conversational output. DataBee, using entity resolution technology, makes predictions about ownership by analyzing how and who engages with the asset or application.

With BeeKeeper AI as part of the DataBee for Security Hygiene or DataBee for Security Threats offerings, your IT, security, compliance, and operations teams can make generative AI more than a buzzword.

No assets or applications left behind:

- Discover unknown or orphaned assets and devices by using predictive analytics to suggest owners.

- Automated entity resolution provides information on asset or device owner, additional owners, and potential owners.

- BeeKeeper AI can notify data feed owners when the platform experiences unusual changes when monitoring data feed health and quality.

- Bidirectional integration with ServiceNow® Configuration Management Database (CMDB) updates the source of truth with discovered assets and validated ownership details to ensure consistency.

Context, not just visibility:

- Related insights are connected and enriched with business context, enabling BeeKeeper AI to make suggestions on asset ownership.

- Suggested users display a confidence score on their interaction with the asset or device cross-referenced with authentication logs like Azure® AD.

- Integration with ServiceNow CMDB provides ownership details in the DataBee Hive and enables BeeKeeper AI to proactively update existing databases when end users validate selected owners.

Security-focused applications:

- Improve cybersecurity and asset hygiene and proactively address security vulnerabilities and compliance gaps.

- BeeKeeper AI can be configured with automated responses when identified asset owners have an upcoming or missed SLA when remediating vulnerable assets.

- Create and automate alerts to be sent to owners when vulnerability patches fail.

- Identify management missing controls and non-compliance owners.

Conversational, but not personal:

- BeeKeeper AI automates asset, device, and application ownership validation, reducing hours of manual correlation and interpersonal communication with potential end users.

- The LLM is trained using a contained dataset, and response outputs are limited to confirming or redirecting asset ownership.

User-centric controls:

- BeeKeeper AI Operational Insights Console gives you access to configure when and how often BeeKeeper AI can engage with end users for responsible AI roll out.

- Report and gain insights on usage of BeeKeeper AI, including:

    – User engagement such as identification of uncooperative users and total number of users contacted and their responses

    – Processed assets such as validated and denied assets

Get started with BeeKeeper AI from DataBee

BeeKeeper AI is a chatbot that speaks human, thinks security, and works tirelessly to improve your enterprise cybersecurity in a responsible manner. Let BeeKeeper AI manage your hive so you can focus on making honey out of your data. Request a custom DataBee demo | comca.st/databee

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