Proposal of tsuzumi's future: Cybersecurity operation technology

**IOWN Pick Up**   NTT version Large Language Models

Background

There are 4.7 million people working in security worldwide, but still short. Hiring and training security personnel is costly, because they need a lot of time to accumulate experience and they need to handle new information constantly. How to handle experience and knowledge is a management issue.

Summary

We utilize the characteristics of LLM (Large-scale Language Model) to learn cybersecurity knowledge such as threat intelligence and organizational rules to assist and substitute various security operations and enable operations that do not require advanced knowledge.

AI learns cybersecurity knowledge ⇒ Solve issues related to hiring and training security personnel
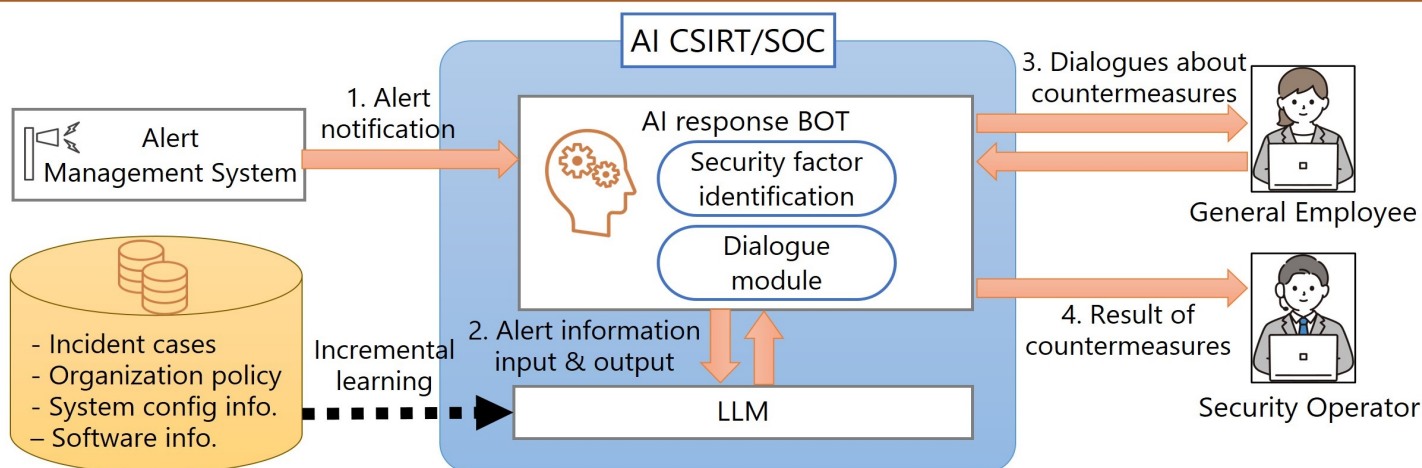
Features

- Enables security operation based on the latest information by incremantal learing of daily updated information and the wide variety of intelligence accumulated for long years
- Conducts impact study and countermeasure consideration specific to the company and organization, by learning information from software dependency analysis and safety verification
- Genarative AI trained with security intelligence and operational know-how makes security operation before and after incident response highly efficient and automated

Future_benefits

Generative AI simplifies complicated and advanced tasks and provides sustainable security that increases productivity by freeing people from 24/7 operations against cyberthreats.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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