

Building an AI-powered chatbot to support log analysis and cyber attack detection for a Security Operations Center.

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Abstract: In the context of increasingly frequent cyberattacks, building an AI-based chatbot system to support Security Operations Centers (SOC) in log analysis and attack detection is extremely necessary. This topic focuses on the goal of building and deploying such a system by applying both theoretical and experimental research. By using AI, the topic is expected to make important contributions to improving the efficiency and reliability of SOC, thereby helping organizations better protect digital information.

Keywords: chatbot, artificial intelligence (AI), cyber attack detection, Security Operations Center, log analysis