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(57) Abstract :
The present invention provides a cloud-based network security solution that integrates advanced threat intelligence and machine learning to enhance cybersecurity across distributed networks. The solution features a central cloud-based security platform that aggregates and processes threat data from diverse sources through a threat intelligence integration layer. Distributed network agents monitor and collect data from endpoints, which is analyzed by a machine learning engine to detect and predict potential threats. An automated incident response module executes predefined actions to mitigate threats, while a reporting and feedback mechanism offers insights for continuous improvement. This innovative approach delivers real-time, scalable protection against evolving cyber threats, leveraging the flexibility and scalability of cloud computing to maintain robust network security.
Accompanied Drawing [FIGS. 1-2]

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